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SOFTWARE



# Optomate Touch API

Technical Specification

v2.12.13

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## TABLE OF CONTENTS

Requirements .....	5
Change History .....	6
Overview .....	13
Self-Hosted Model.....	14
Details.....	14
Installation Steps .....	15
Step 1.....	15
Step 2.....	15
Step 3.....	16
Step 4.....	16
Step 5.....	17
Step 6.....	17
IIS Hosted Model.....	18
Details.....	18
Installation Steps .....	19
Step 1.....	19
Step 2.....	19
Step 3.....	20
Step 4.....	21
Step 5.....	21
Step 6.....	22
Step 7.....	22
Configuration .....	23
Host (Self-Hosted Only).....	23
Application Pool (IIS Hosted Only) .....	24
Site Bindings (IIS Hosted Only).....	24
Db Connection.....	26
Execution Timeout.....	26
Uninstalling.....	27
Security .....	28
Authentication .....	28
Authorisation.....	29
Optomate Touch API.....	32
Details.....	32
OData.....	32

Primitive JSON Value Formats ..... 33

Request..... 33

Response ..... 33

Resources..... 36

    Appointment Transactions ..... 36

    Appointments ..... 37

    Barcode Queue ..... 40

    Branches ..... 41

    Business Details ..... 42

    Consultation Items ..... 42

    Contact Lenses ..... 43

    Contact Lens Brands ..... 47

    Contact Lens Orders..... 48

    Contact Lens RXs ..... 51

    Contact Lens Tints ..... 54

    Dispensers ..... 56

    Examinations ..... 56

    Health Funds..... 59

    Frame Constructions..... 60

    Frame Brands ..... 60

    Frame Materials ..... 61

    Institutions..... 62

    Institution Receipts..... 62

    Interests ..... 63

    Inventory Arrivals ..... 64

    Inventory Movements..... 66

    Inventory Returns..... 66

    Inventory Transfers ..... 68

    Inventory WriteOffs ..... 69

    Item Categories..... 70

    Occupations ..... 70

    Online Appointment Types ..... 71

    Optometrists..... 71

    Order Cancelled Reasons ..... 74

    Other Items ..... 75

    Patient Category Links..... 77

    Patient Categories ..... 78

Patient Interests .....	79
Patient Invoices .....	80
Patient Notes .....	81
Patient Recalls .....	82
Patient Receipts .....	84
Patients .....	85
Purchase Orders .....	90
Recall Types .....	93
Receipt Summary .....	93
Regions .....	94
Sales Summary .....	94
SMS Transactions .....	94
Solutions .....	95
Sources .....	98
Spectacle Frames .....	99
Spectacle Lenses .....	102
Spectacle Lens Addons .....	107
Spectacle Lens Addons Descriptions .....	110
Spectacle Lens Orders .....	110
Spectacle Lens RXs .....	115
Spectacle Lens Tints .....	118
Static Reference .....	120
Static Reference Code .....	120
Static Reference ID .....	122
Sunglasses .....	123
Suppliers .....	126
Supplier Reps .....	128
Users .....	130
Voucher Types .....	131
Appendices .....	132
Appendix A: OData Query Examples .....	132
Appendix B: Examination Detail .....	132
Appendix C: Examination Contact Lens .....	139
Appendix D: Self-Hosted Configuration .....	147
Appendix E: IIS Hosted Configuration .....	149
Appendix F: Monkey Software Custom Search .....	152

## REQUIREMENTS

Optomate Touch 4.0.0 (May work with older versions but won't be able to use the latest feature(s))

Microsoft .NET Framework 4.8

Microsoft Visual C++ 2015-2022 Redistributable

## CHANGE HISTORY

Potential breaking changes are highlighted in red.

Date	Version	Min OT	Changes
12.05.2026	2.12.13	4.0.0	<b>Update</b> - Increase length of Users EXTERNAL_USER_ID to 80 characters
13.04.2026	2.12.12	4.0.0	<b>Fix</b> - Appointments Optometrists Availability was incorrectly checking the end time of the last day
10.03.2026	2.12.11	4.0.0	<b>Update</b> - Allow creation of Appointments at multiple locations for the same Optometrist at the same time - Static Reference Code Warranty Types
10.02.2026	2.12.10	4.0.0	<b>Fix</b> - Recall Types were not correctly configured in the Odata Model for the Self Hosted version. <b>New</b> - Appointments Optometrists Availability SCHEDULE <b>Update</b> - Create a Marketing Status Log when Patient PREF_MARKETING is changed
30.01.2026	2.12.9	2.7.3	<b>New</b> - Appointments STATUS for PUT and PATCH. Will be ignored if null or CANCEL_APPOINTMENT is set
17.10.2025	2.12.8	2.7.3	<b>Update</b> - Appointments Optometrists Availability updated to handle overlapping appointments for the same Optometrist
25.09.2025	2.12.7	2.7.3	<b>Fix</b> - Appointments Optometrists Availability was ignoring Schedule Adjustments for non-roaming Optometrists that did not have a Schedule record at a given Branch
20.08.2025	2.12.6	2.7.3	<b>Fix</b> - Resolved an issue with inventory items PATCH requests where an Inventory Movement was logged even when there was no QOH change
19.08.2025	2.12.5	2.7.3	<b>Update</b> - Appointments.Optometrists Availability improved performance
29.07.2025	2.12.4	2.7.3	<b>New</b> - Patient Invoices ORIG_EXAM_DATE
27.06.2025	2.12.3	2.7.3	<b>New</b> - Examination Details COMPLETED for POST, PUT and PATCH <b>Updates</b> - Allow updates when Examination is COMPLETED
24.06.2025	2.12.2	2.7.3	<b>New</b> - Inventory Movements ADJUSTMENT_REASON
12.06.2025	2.12.1	2.7.0	<b>Updates</b> - Improved the search process for Appointments.OptometristsAvailability and updated it to show only Optometrists with Available Time blocks at the selected branch
20.03.2025	2.12.0	2.7.0	<b>New</b> - Inventory Transfers and Inventory Write-Offs resources

			<b>Updates</b>	<ul style="list-style-type: none"> <li>- Patient MEDICARE_EXPIRY validation modified to cater for systems with Y2K related issue concerning 2-digit years</li> </ul>
07.03.2025	2.11.10	2.6.5	<b>New</b>	<ul style="list-style-type: none"> <li>- Patient Invoice ORDER_TYPE in GET</li> <li>- Static Reference Id Order Types</li> </ul>
			<b>Updates</b>	<ul style="list-style-type: none"> <li>- Patient Invoice SPECTACLE_ORDER_ID renamed to ORDER_ID</li> </ul>
04.02.2025	2.11.9	2.6.5	<b>New</b>	<ul style="list-style-type: none"> <li>- Voucher Types resource with GET</li> <li>- Patient Receipts RECEIPT_ITEMS.VOUCHER_TYPE_ID in GET</li> </ul>
03.01.2025	2.11.8	2.6.5	<b>New</b>	<ul style="list-style-type: none"> <li>- Branch PATCH</li> <li>- Patient Category Link PUT and PATCH</li> <li>- Inventory Movements TRANSFER_BRANCH_IDENTIFIER for Inventory Transfers</li> <li>- Static Reference Id Inventory Movement Types</li> <li>- Patient INACTIVE</li> <li>- Spectacle Lens Orders PATIENT_INVOICE_ID</li> <li>- Contact Lens Orders PATIENT_INVOICE_ID</li> <li>- Patient Invoice LINKED_ID and LINKED_TYPE</li> </ul>
			<b>Updates</b>	<ul style="list-style-type: none"> <li>- All Inventory Items to allow multiple BRANCH_INFOS updates. BRANCH_INFO.BRANCH_IDENTIFIER is now optional and if not specified all related Branches data will be updated.</li> <li>- Updated Patient Category Link custom error message for an existing patient link.</li> <li>- Appointment Result with additional MESSAGE will be returned instead of standard Result in POST response</li> </ul>
11.09.2024	2.11.7	2.6.4	<b>New</b>	<ul style="list-style-type: none"> <li>- Sent Patient Recalls</li> </ul>
02.09.2024	2.11.6	2.6.4	<b>New</b>	<ul style="list-style-type: none"> <li>- Patient Invoices CONS_CHARGED and CONS_PAID in GET</li> </ul>
05.04.2024	2.11.5	2.6.4	<b>New</b>	<ul style="list-style-type: none"> <li>- Examination Details ADVICE_MANAGEMENT_NOTE in POST, PUT and PATCH</li> </ul>
12.02.2024	2.11.4	2.6.3	<b>New</b>	<ul style="list-style-type: none"> <li>- Contact Lenses, Contact Lens Tints, Other Items, Solutions, Spectacle Frames, Spectacle Lenses, Spectacle Lens Addons, Spectacle Lens Tints and Sunglasses BRANCH_INFO.MEMBER_SELLINC in GET</li> <li>- Contact Lenses, Contact Lens Tints, Other Items, Solutions, Spectacle Lenses, Spectacle Lens Addons and Spectacle Lens Tints BRANCH_INFO.INACTIVE</li> <li>- Contact Lens Tints, Spectacle Lens Addons and Spectacle Lens Tints BRANCH_INFO.FAVOURITE</li> </ul>
09.01.2024	2.11.3	2.6.3	<b>New</b>	<ul style="list-style-type: none"> <li>- Spectacle Lens Orders OWN_FRAME in GET</li> </ul>
15.11.2023	2.11.2	2.6.3	<b>New</b>	<ul style="list-style-type: none"> <li>- Appointments Optometrists' Availability</li> <li>- Spectacle Lens Rx PATCH</li> <li>- Spectacle Lens Orders RIGHT_FITTING_HEIGHT and LEFT_FITTING_HEIGHT in GET</li> <li>- Spectacle Lens Orders RIGHT_FITTING_HEIGHT, LEFT_FITTING_HEIGHT, LEFT_SEGHEIGHT, RIGHT_SEGHEIGHT, LEFT_BVD, RIGHT_BVD, LEFT_PANTO, RIGHT_PANTO, LEFT_PD, RIGHT_PD, LEFT_NEARPD, RIGHT_NEARPD and WRAP in PATCH</li> <li>- Patients LAST_KEEPSIGHT_SENT_DATE in GET</li> </ul>

			<b>Updates</b> <ul style="list-style-type: none"> <li>- Config files content, Appendices D and E</li> </ul>
12.09.2023	2.11.1	2.6.0	<b>Fixes</b> <ul style="list-style-type: none"> <li>- Spectacle Lens Order was removing the existing PRACTICE_COMMENTS when no value was supplied on PATCH</li> </ul> <b>Updates</b> <ul style="list-style-type: none"> <li>- Add Spectacle Lens Order WHEN_READY_TEXT for PATCH</li> </ul>
15.08.2023	2.11.0	2.6.0	<b>New</b> <ul style="list-style-type: none"> <li>- Inventory Movements resource</li> </ul> <b>Updates</b> <ul style="list-style-type: none"> <li>- Sunglasses, Spectacle Lenses, Spectacle Frames, Other Items, Contact Lenses and Solutions will log QOH changes for items marked as INVENTORY to be displayed by the Inventory Movements resource</li> </ul>
30.03.2023	2.10.1	2.5.0	<b>New</b> <ul style="list-style-type: none"> <li>- Appointments FINALISED_APPOINTMENT_DATETIME in GET</li> <li>- Spectacle Lenses WINLINUX_CODE, WINLINUX_ADD_CODE, OPTILINKCODE, OPTILINKGROUP, WINFITCODE, RXOFFICECODE, HOYACODE, HOYATINT, HOYACOAT, SHAMIRCODE, SWISSCOAT_LENSCODE, SWISSCOAT_TINTCODE, SWISSCOAT_COAT1CODE, SWISSCOAT_COAT2CODE, VISUSTORE_COMMERCIAL_CODE, CR_SURFACING_PRODUCTCODE, CR_SURFACING_TINTCODE, CR_SURFACING_COAT1CODE, CR_SURFACING_COAT2CODE</li> <li>- Spectacle Lens Add-Ons VISUSTORE_COMMERCIAL_CODE, VISUSTORE_COATING_TYPE, WINLINUX_CODE, CR_SURFACING_PRODUCTCODE</li> <li>- Spectacle Lens Tints VISUSTORE_COMMERCIAL_CODE, WINLINUX_CODE, CR_SURFACING_PRODUCTCODE</li> <li>- Static Reference Code Optilink Lens Groups</li> </ul> <b>Update</b> <ul style="list-style-type: none"> <li>- Remove Spectacle Lenses EYETALK_PERMID and EYETALK_BOOKCODE</li> <li>- Remove Spectacle Lens Add-Ons EYETALK_PERMID and EYETALK_BOOKCODE</li> </ul>
14.02.2023	2.10.0	2.5.0	<b>New</b> <ul style="list-style-type: none"> <li>- Users resource</li> <li>- StaticReferenceId User Types</li> </ul>
05.12.2022	2.9.1	2.3.4	<b>Update</b> <ul style="list-style-type: none"> <li>- Purchase Order IDENTIFIER is now optional in POST, to be defaulted to generated ID</li> </ul>
31.10.2022	2.9.0	2.3.4	<b>New</b> <ul style="list-style-type: none"> <li>- SMS Transactions resource</li> <li>- Static Reference Id SMS Types</li> <li>- Patient Invoice ITEMS COSTEX and COSTINC in GET</li> </ul>
30.09.2022	2.8.1	2.3.1	<b>New</b> <ul style="list-style-type: none"> <li>- Examination Details DIABETES_VALUE, DIABETES_TYPE_VALUE, GLAUCOMA_VALUE, GLAUCOMA_TYPE_VALUE, AMD_VALUE, AMD_TYPE_VALUE, DRY_EYE_VALUE, DRY_EYE_TYPE_VALUE, DILATED_FUNDUS_INFORMED_CONSENT_VALUE, TOPOGRAPHY_PERFORMED_VALUE, PERIMETRY_PERFORMED_VALUE, OCT_PERFORMED_VALUE</li> </ul> <b>Update</b> <ul style="list-style-type: none"> <li>- Remove Examination Details DILATED_FUNDUS_INFORMED_CONSENT, TOPOGRAPHY_PERFORMED, PERIMETRY_PERFORMED, OCT_PERFORMED</li> </ul>

12.09.2022	2.8.0	2.3.0	<b>New</b>	- Patient Notes resource
18.08.2022	2.7.15	2.0.5	<b>Fixes</b>	- Resolve issue with authenticating Contact Lens Orders PATCH requests
			<b>Update</b>	- Add Spectacle and Contact Lens Orders PRACTICE_COMMENTS for PATCH
10.06.2022	2.7.14	2.0.5	<b>New</b>	- Patient Recalls BRANCH_IDENTIFIER in GET
			<b>Update</b>	- Allow up to 12 characters on Patient MOBILE_PHONE
				- <b>Make Appointment APPOINTMENT_TYPE a required value</b>
18.02.2022	2.7.13	2.0.5	<b>Update</b>	- Add StaticReferenceId Appointment Status 16
13.12.2021	2.7.12	2.0.5	<b>New</b>	- Health Funds resource
			<b>Update</b>	- Installer package OptomateTouchAPI-n.n.n.msi renamed to OptomateTouchAPI-n.n.n-x64.msi
				- Installer package OptomateTouchAPI-n.n.n-Hosted.msi renamed to Installer package OptomateTouchAPI-n.n.n-Hosted-x86.msi
29.10.2021	2.7.11	2.0.0	<b>New</b>	- Examinations USER_ADDED, USER_EDITED
				- Examinations POST, PUT and PATCH
				- Patient Invoices ITEMS.SUPPLIER_ID in GET
31.08.2021	2.7.10	1.10.8	<b>New</b>	- Spectacle Lens Orders IS_SUNGLASS_FRAME
			<b>Update</b>	- Add "Direct To Customer" to Static Reference When Ready Notification Types
10.06.2021	2.7.9	1.10.8	<b>Update</b>	- Add "Display Invoice" to Static Reference Arrival Types
27.04.2021	2.7.8	1.10.7	<b>New</b>	- Optometrists AppSetup and AppAdjust POST actions
06.04.2021	2.7.7	1.10.5	<b>New</b>	- Dispensers INACTIVE
				- Inventory Arrival ITEMS.UNIQUE_ITEM_ID for GET
				- Inventory Return ITEMS.UNIQUE_ITEM_ID for GET
			<b>Update</b>	- Include inactive Optometrists in GET
				- Include inactive Dispensers in GET
10.03.2021	2.7.6	1.10.5	<b>New</b>	- Patient Recalls Read Condition for allowed Contact Methods
04.02.2021	2.7.5	1.10.4	<b>Fixes</b>	- Patient Medicare Details will be validated on a PATCH only if they are being updated
19.01.2021	2.7.4	1.10.4	<b>Updates</b>	- Add "Pay Later – LatitudePay" to Static Reference Payment Types
				- Patients Sensitive Search expanded search capability
18.12.2020	2.7.3	1.10.4	<b>Fixes</b>	- Institution Receipts was incorrectly setting the Receipt Type to 2 instead of 1

17.12.2020	2.7.2	1.10.4	<b>Fixes</b> <ul style="list-style-type: none"> <li>- Inventory Arrival was incorrectly calculating TOTAL_GST for Other Items</li> </ul>
01.12.2020	2.7.1	1.10.4	<b>Fixes</b> <ul style="list-style-type: none"> <li>- Patient GP, REFERRER_FROM and REFERRER_TO were not set with the correct values</li> </ul> <b>Updates</b> <ul style="list-style-type: none"> <li>- Patients Sensitive Search improved performance</li> </ul>
17.11.2020	2.7.0	1.10.4	<b>Fixes</b> <ul style="list-style-type: none"> <li>- Issue applying \$select on DETAILS fields in GET on Examinations OTHER_ITEM and FREIGHT amounts not added to Inventory Arrival totals when no Inventory Items</li> </ul> <b>New</b> <ul style="list-style-type: none"> <li>- Patient Invoice OPTOMETRIST_ID</li> <li>- Optometrist DATE_ADDED, DATE_EDITED, IS_ADMINISTRATOR, IS_ROAMING_USER, USE_APPBOOK, PROVIDER_NO, Appointment Setup DATE_ADDED, DATE_EDITED, Appointment Adjustment DATE_ADDED, DATE_EDITED</li> <li>- Branch ABN, DEFAULT_APP_DURATION, DEFAULT_OPTOMETRIST_ID, REGION_ID</li> <li>- Resources Appointment Transactions, Business Details, Patient Categories, Patient Category Links, Regions</li> <li>- Static Reference Data Software Types</li> <li>- Patients Sensitive Search endpoint for searching with sensitive data</li> </ul> <b>Updates</b> <ul style="list-style-type: none"> <li>- Renamed Patient Receipt USER_ID to OPTOMETRIST_ID</li> <li>- Patient Receipts to also include receipts without PATIENT_ID</li> <li>- APP_PROGRESS to be initialised to 15 for new Appointments</li> </ul>
29.10.2020	2.6.1	1.10.4	<b>Fixes</b> <ul style="list-style-type: none"> <li>- Issue when Appointment moved to another Optometrist, validation occurred against the original Optometrist</li> </ul> <b>New</b> <ul style="list-style-type: none"> <li>- Patient Receipts resource</li> <li>- Static Reference Data Receipt Types</li> </ul>
14.10.2020	2.6.0	1.10.0	<b>Fixes</b> <ul style="list-style-type: none"> <li>- Issue with Appointment validation where schedule adjustments were not properly applied</li> </ul> <b>Documentation</b> <ul style="list-style-type: none"> <li>- Added configuration files content in Appendices</li> </ul> <b>New</b> <ul style="list-style-type: none"> <li>- Inventory Arrival ITEMS.IS_TAXABLE for GET</li> <li>- Institution Receipts, Inventory Returns resources</li> <li>- Patient IS_BADADDRESS, IS_BADEMAIL, IS_BADPHONE</li> <li>- Patient IS ADVISED_OF_PRIVACY_POLICY, ADVISED_OF_PRIVACY_POLICY_USER, ADVISED_OF_PRIVACY_POLICY_DATETIME for GET and POST</li> </ul> <b>Updates</b> <ul style="list-style-type: none"> <li>- Setting Patient NOMOBILE and NOEMAIL to 'true' will clear out the related MOBILE_PHONE and EMAIL</li> <li>- Allow Inventory Arrivals without any Inventory Items</li> </ul>
04.09.2020	2.5.4	1.10.0	<b>New</b> <ul style="list-style-type: none"> <li>- Patient Invoice DISCOUNT_ID</li> </ul> <b>Updates</b> <ul style="list-style-type: none"> <li>- Static Reference Code Person Gender includes "Non-Binary" and "Not Stated" in line with Optomate Touch</li> </ul>
27.08.2020	2.5.3	1.9.9	<b>New</b> <ul style="list-style-type: none"> <li>- Patient Invoice DISCOUNT_REASON</li> </ul>

Updates			
			<ul style="list-style-type: none"> <li>- Changed Error 101 message to "Invalid Credentials"</li> <li>- Changed Error 102 message to "User Disabled"</li> </ul>
11.08.2020	2.5.2	1.9.9	<b>Fixes</b> <ul style="list-style-type: none"> <li>- Resolved an issue with Inventory Arrivals calculating GST for tax free branch items</li> </ul>
27.07.2020	2.5.1	1.9.9	<b>Fixes</b> <ul style="list-style-type: none"> <li>- Resolved an issue with updating of Sunglasses when UV Rating is null in Optomate DB</li> </ul>
10.07.2020	2.5.0	1.9.9	<b>Fixes</b> <ul style="list-style-type: none"> <li>- Resolved an issue with the Authorisation of the Spectacle Lens Order and Purchase Order Patch methods</li> </ul>
			<b>New</b> <ul style="list-style-type: none"> <li>- Consultation Items reference data resource</li> </ul>
29.06.2020	2.4.1	1.9.5	<b>New</b> <ul style="list-style-type: none"> <li>- Spectacle Lens Order INVOICE_NUMBER for POST and PATCH, RECEIVED_DATE for PATCH</li> <li>- Purchase Order PATCH method, PURCHASE_ORDER_STATUS for POST</li> </ul>
			<b>Updates</b> <ul style="list-style-type: none"> <li>- Static Reference Id Stock Types descriptions</li> </ul>
18.06.2020	2.4.0	1.9.5	<b>Fixes</b> <ul style="list-style-type: none"> <li>- Bug introduced in 2.0.1 where Inventory Item resources do not correctly create Stock Transaction records</li> </ul>
			<b>Documentation</b> <ul style="list-style-type: none"> <li>- Corrected error 815 to say "At least one ITEM needs to be included in the Inventory Arrival!"</li> <li>- Corrected Inventory Items that had a record BRANCH_INFO_INPUT to BRANCH_INFO</li> </ul>
08.05.2020	2.1.0	1.9.5	<b>New</b> <ul style="list-style-type: none"> <li>- Contact Lens RXs and Spectacle Lens RXs resources (GET and POST)</li> </ul>
19.03.2020	2.0.1	1.9.0	<b>Updates</b> <ul style="list-style-type: none"> <li>- Updates to all Inventory Items BRANCH_INFO now require a BRANCH_IDENTIFIER; Updates per Branch for Contact Lenses, Other Items, Solutions, Spectacle Frames and Spectacle Lenses now include QOH</li> </ul>
11.02.2020	2.0.0	1.9.0	<b>Rebuilt on .NET 4.8</b> <b>Documentation</b> <ul style="list-style-type: none"> <li>- "Optomate Touch API User" section renamed to "Security"</li> </ul>
			<b>New</b> <ul style="list-style-type: none"> <li>- Basic Authentication (Authorization Header to be added to each request)</li> <li>- Patient Invoice SPECTACLE_ORDER_ID</li> <li>- Spectacle Lens Order RIGHT_LENSTYPE, LEFT_LENSTYPE, RIGHT_STOCKGRIND, LEFT_STOCKGRIND, TINT_GRAD_UNIFORM, DISPENSER_IDENTIFIER, ON_HOLD, ETA_DATE, API_STATUS, CANCELLED, CANCELLED_REASON_ID</li> <li>- Spectacle Lens Order PATCH method</li> <li>- Spectacle Lens Order Types Static Reference Code resource</li> <li>- Spectacle Lens Tints INSTITUTION_IDENTIFIER</li> <li>- Dispensers, Recall Types and Order Cancelled Reasons resources</li> <li>- Static Reference (API Info) resource</li> <li>- Patient NATIONALITY, GP, REFERRER_FROM and REFERRER_TO for GET method</li> </ul>

			<ul style="list-style-type: none"> <li>- Contact Lens Orders resource</li> <li>- Static Reference Code Contact Lens Mono and Contact Lens Order Types resources</li> </ul>
			<b>Updates</b> <ul style="list-style-type: none"> <li>- Username and Password Headers no longer required (replaced with Authorization header)</li> <li>- Renamed Spectacle Lens Order LAB_INHOUSE to TINT_LAB_INHOUSE</li> <li>- Removed Spectacle Lens Order LENS_TYPE</li> <li>- Removed Patient Recalls BRANCH_IDENTIFIER</li> <li>- Error Code 100 text changed from "Missing Username!" To "Missing Credentials!"</li> </ul>
25.09.2019	1.1.1	1.8.9	<b>Documentation</b> <ul style="list-style-type: none"> <li>- Added a warning about assigning access permissions to the Patient Recalls resource</li> </ul>
			<b>New</b> <ul style="list-style-type: none"> <li>- Patient LAST_INITIAL (date) for GET method</li> </ul>
			<b>Updates</b> <ul style="list-style-type: none"> <li>- Renamed Patient LAST_CONSULTAION to LAST_CONSULTATION for GET method</li> </ul>
20.09.2019	1.1.0	1.8.9	<b>New</b> <ul style="list-style-type: none"> <li>- Supports the "\$count" query option parameter</li> <li>- Examination Added and Edited dates</li> <li>- ExecutionTimeout in seconds configuration setting</li> <li>- AppointmentStatuses Static Reference Id resource</li> </ul>
			<b>Updates</b> <ul style="list-style-type: none"> <li>- StaticReferenceData resource split into StaticReferenceCode and StaticReferenceId</li> <li>- Appointment IS_CANCELLED replaced with STATUS in GET</li> <li>- Contact Lenses FREQUENCY and Person GENDER are not required</li> <li>- Renamed Spectacle Lenses SPECLENS_ADDON_LOOKUP_ID to SPECLENS_ADDON_DESCRIPTION_ID</li> <li>- JSON values of type Edm.Int64 and Edm.Decimal are represented as numbers</li> <li>- All IDs represented as Int64</li> <li>- "\$select" and "\$filter" for expanded collections are done as part of the "\$expand" query option parameter (see Appendix A for an example)</li> <li>- Edm.DateTime types are replaced with Edm.DateTimeOffset</li> <li>- When filtering on dates, values do not need to be cast as DATETIME (see Appendix A for an example)</li> <li>- Appointment STARTDATETIME replaced with STARTDATE and STARTTIME; ENDDATETIME replaced with ENDTIME; for Post, Put and Patch.</li> <li>- Only 5-minute intervals are allowed for Appointment STARTTIME and ENDTIME</li> <li>- Patient MEDICARE_EXPIRY cannot be an expired date</li> </ul>
27.08.2019	1.0.6		<b>New</b> <ul style="list-style-type: none"> <li>- Added Patient HEARAID_GUID</li> </ul>
14.08.2019	1.0.5		<b>New</b> <ul style="list-style-type: none"> <li>- Patient Invoices resource</li> <li>- Invoice Types reference data</li> </ul>
			<b>Updates</b> <ul style="list-style-type: none"> <li>- Renamed Purchase Order ORDER_ID to SPECTACLE_LENS_ORDER_ID</li> </ul>
12.08.2019	1.0.4		<b>New</b> <ul style="list-style-type: none"> <li>- An API User Password can be set in Optomate Touch</li> <li>- IIS Hosted version of the API that can be configured to run over HTTPS</li> <li>- Patient Recalls resource</li> </ul>
24.05.2019	1.0.0		<b>New</b> <ul style="list-style-type: none"> <li>- API for Optomate Touch</li> </ul>

## OVERVIEW

The Optomate Touch API is a RESTful service that is intended to run locally on a network where Optomate Touch is installed. It supports OData queries and exposes a limited set of Optomate Touch resources for external application integration by the use of http method calls. This document describes these resources in terms of their functionality, URIs and the method calls that can be performed on them. It also describes the format of the request and receive data for each method call and any associated input data validation.

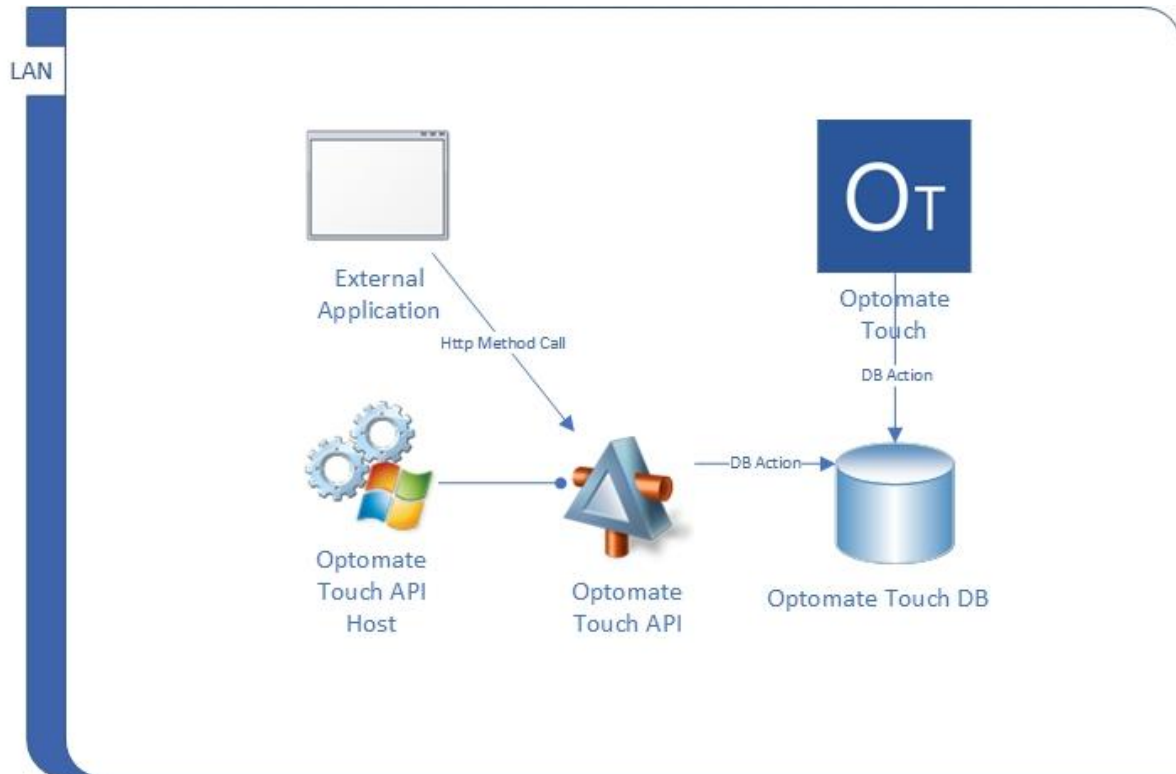


Where appropriate, the API replicates validation and defaulting logic as implemented in Optomate Touch.

The API can be installed with two different hosting models:

- Self-hosted: the API is hosted in a Windows Service and runs over HTTP. This provides for a quick install that does not require a configuration of additional resources and is suitable for development and local integrations.
- IIS hosted: the API is hosted in IIS as a 64-bit Web Application and can be configured to run over HTTP and/or HTTPS. This provides for a greater control over the API and increased security when configured to run over HTTPS.

## SELF-HOSTED MODEL



The Optomate Touch API is hosted by a Windows Service that is installed as an add-on to the Optomate Touch application. The API connects to the Optomate Touch DB using the OptomateApiService user.

### DETAILS

Host Type	Windows Service
Name	Optomate Touch API Host
Description	Hosts the Optomate Touch API
MSI Package	OptomateTouchAPI-n.n.n-Hosted.msi



By default, the API Host Service will run under the Local System account, however this can be changed after installation to another preferred account that has network access.

## INSTALLATION STEPS

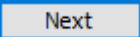
### STEP 1

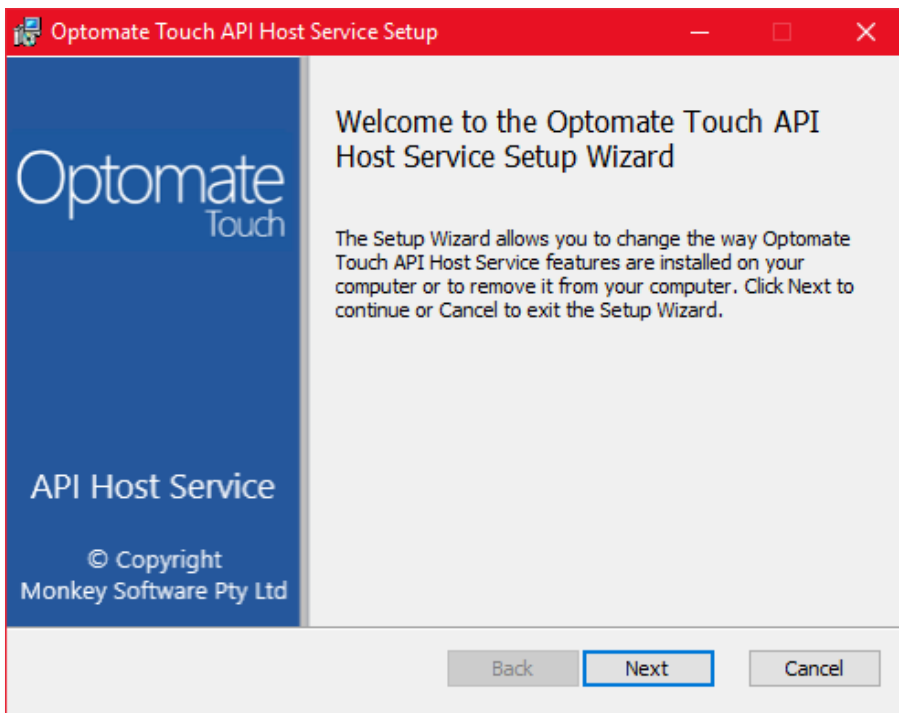
Execute the MSI package on the server where the Optomate Touch application is installed.



The person executing the MSI package needs to have admin privileges in order to be able to install the host service.

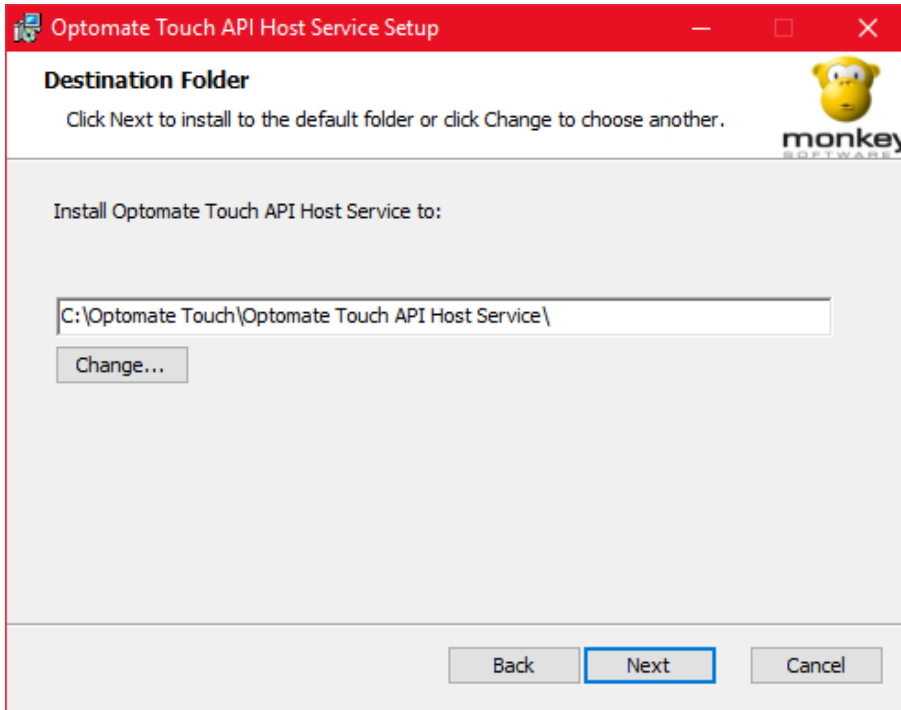
### STEP 2

Click  on the Welcome Window.



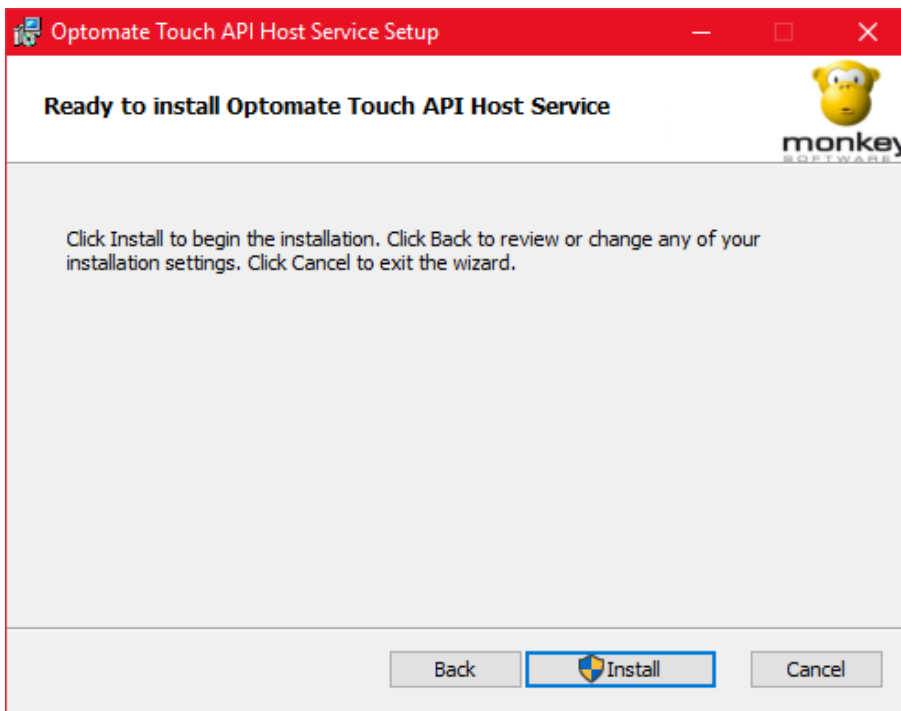
**STEP 3**

Click  on the Destination Folder Window.



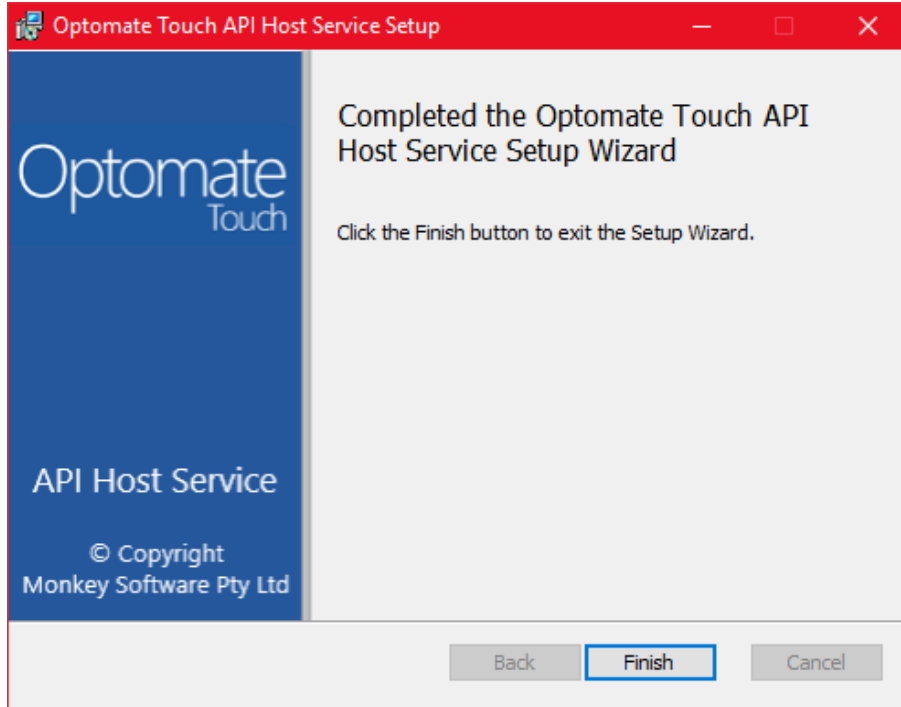
**STEP 4**

Click  to install the Host Service.



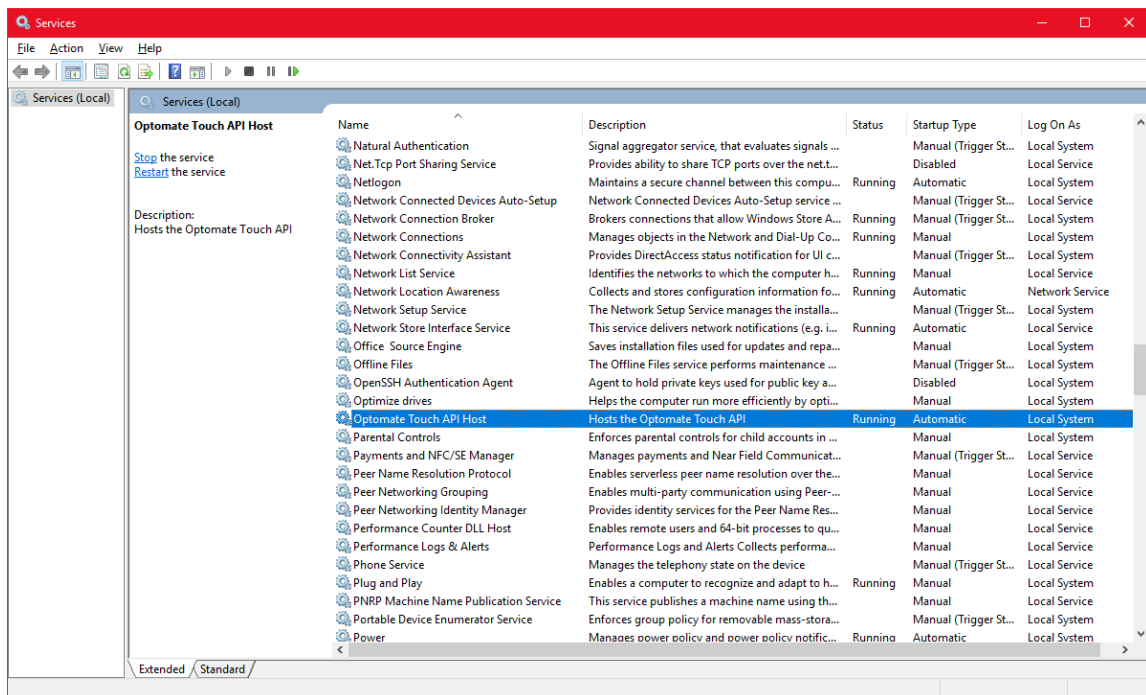
**STEP 5**

Click **Finish** to complete the installation.

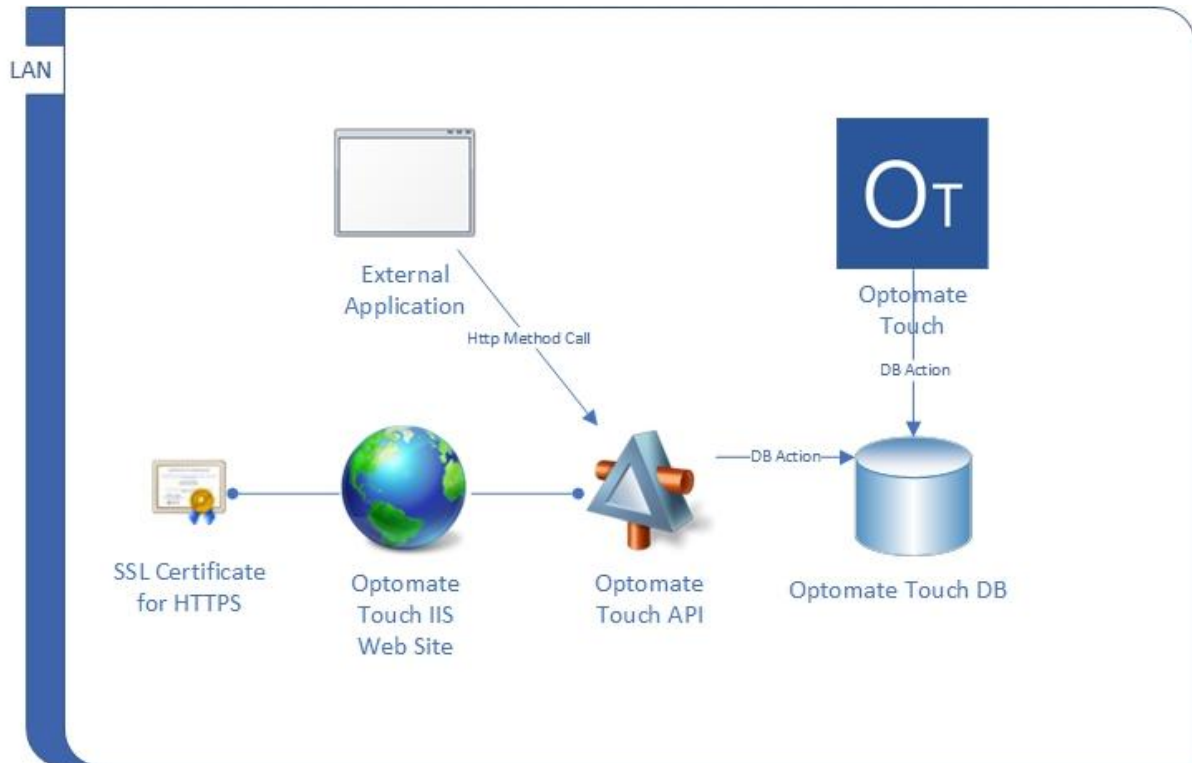


**STEP 6**

Verify that the service is up and running by checking the Services Management Console.



## IIS HOSTED MODEL



The Optomate Touch API is hosted in IIS as a 64-bit Web Application that is installed as an add-on to the Optomate Touch application. The API connects to the Optomate Touch DB using the OptomateApiService user.

## DETAILS

Host Type	IIS x64
Name	Optomate Touch API
Description	Optomate Touch API Web Site
MSI Package	OptomateTouchAPI-n.n.n-x64.msi



Once created in IIS the Optomate Touch API web site would need to be configured in order for the API to function correctly. Please refer to the Configuration section for information.

## INSTALLATION STEPS

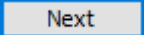
### STEP 1

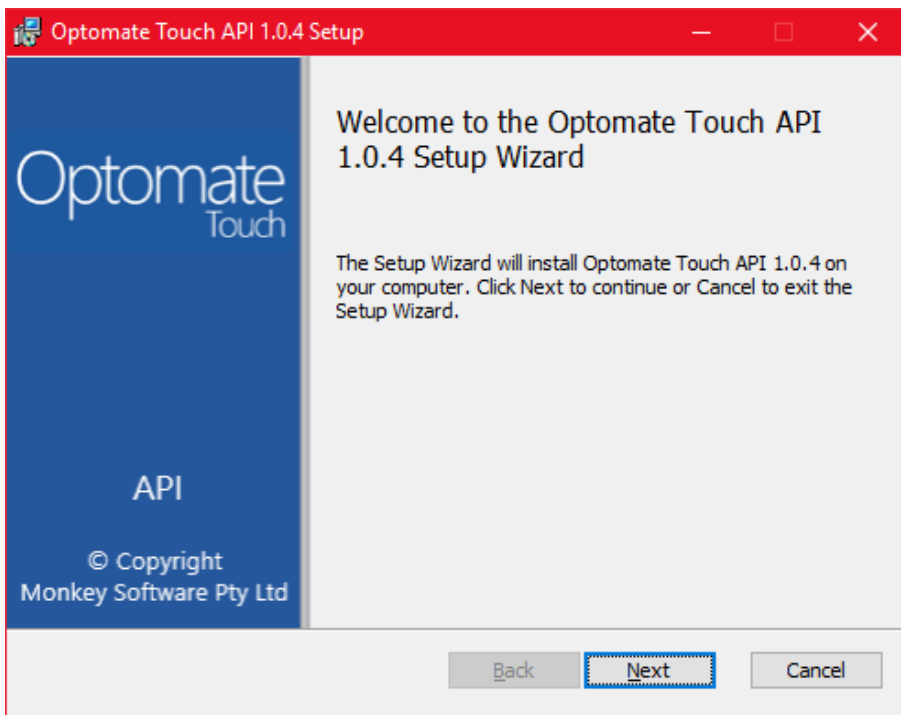
Execute the MSI package on the server where the Optomate Touch application is installed.



The person executing the MSI package needs to have admin privileges in order to be able to create the IIS application.

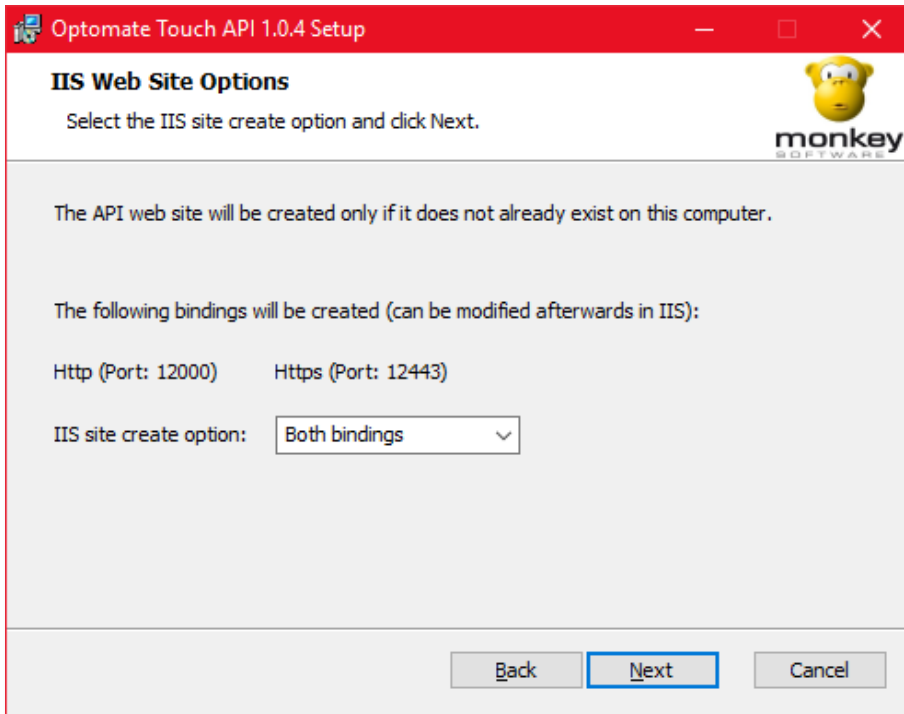
### STEP 2

Click  on the Welcome Window.



**STEP 3**

Select the IIS site create option and/or click  on the IIS Web Site Options Window.



IIS site create options:

- Do not create: Only install Optomate Touch API but do not host in IIS
- Http binding only: Create API web site in IIS with only Http type binding (Port :12000)
- Https binding only: Create API web site in IIS with only Https type binding (Port :12443)
- Both bindings: The API web site will be created in IIS with both Http and Https type bindings

If installing the API, the installer will attempt to create an IIS Web Site provided the following conditions are met:

- IIS is configured on the computer where the API is being installed
- The user installing the API has admin privileges
- The API web site does not already exist in IIS

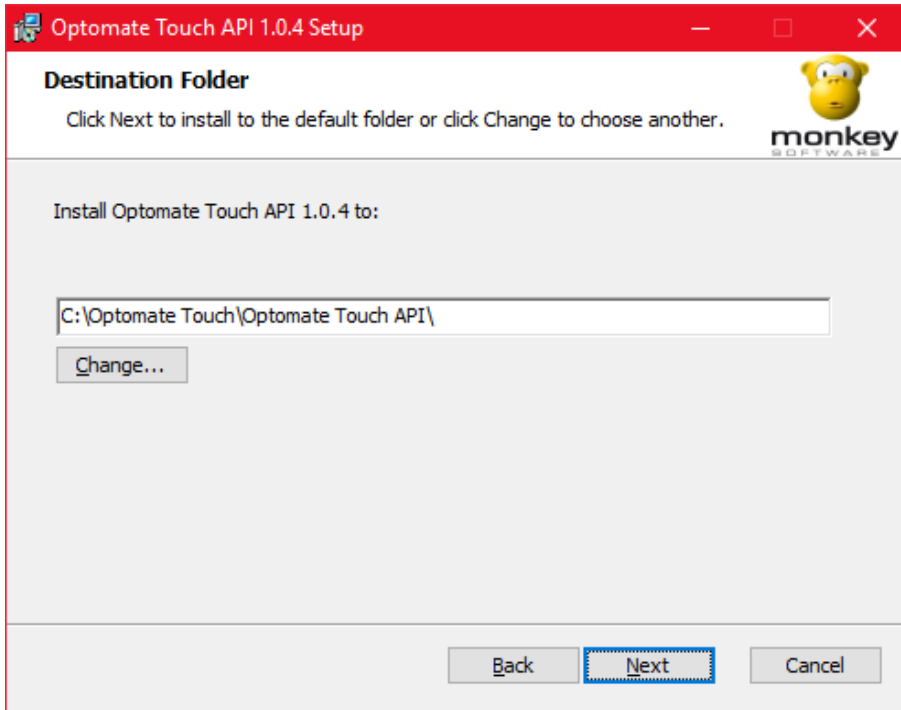


Once created in IIS, the Optomate Touch API Web Site can be configured via the IIS Manager.

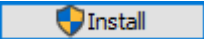
If creating an “https” type binding, an SSL certificate would need to be selected for the binding after the installation is completed, please see the Configuration section for more details.

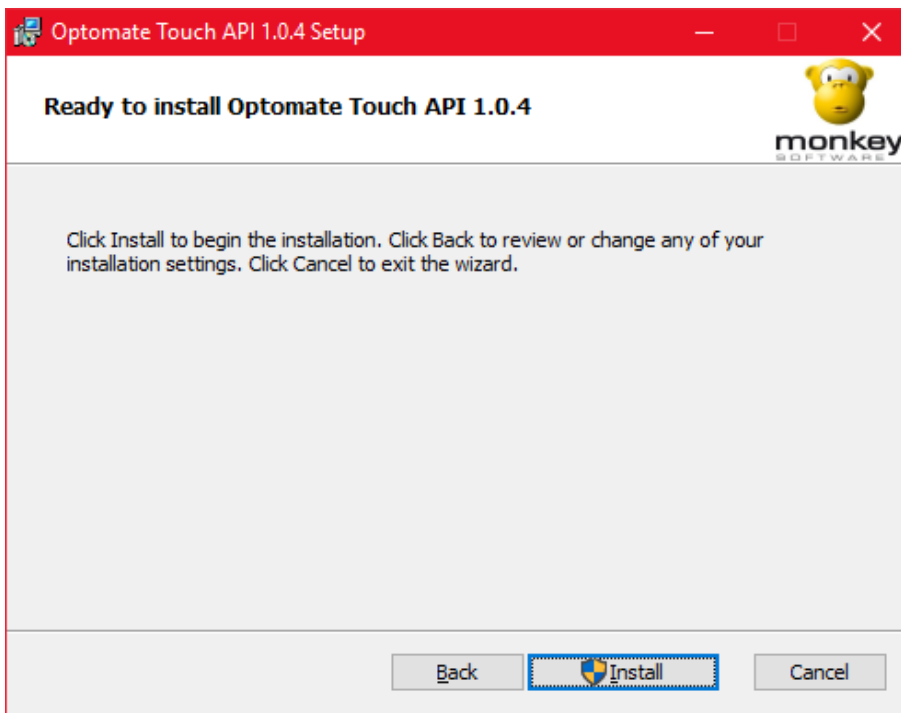
**STEP 4**

Click  on the Destination Folder Window.



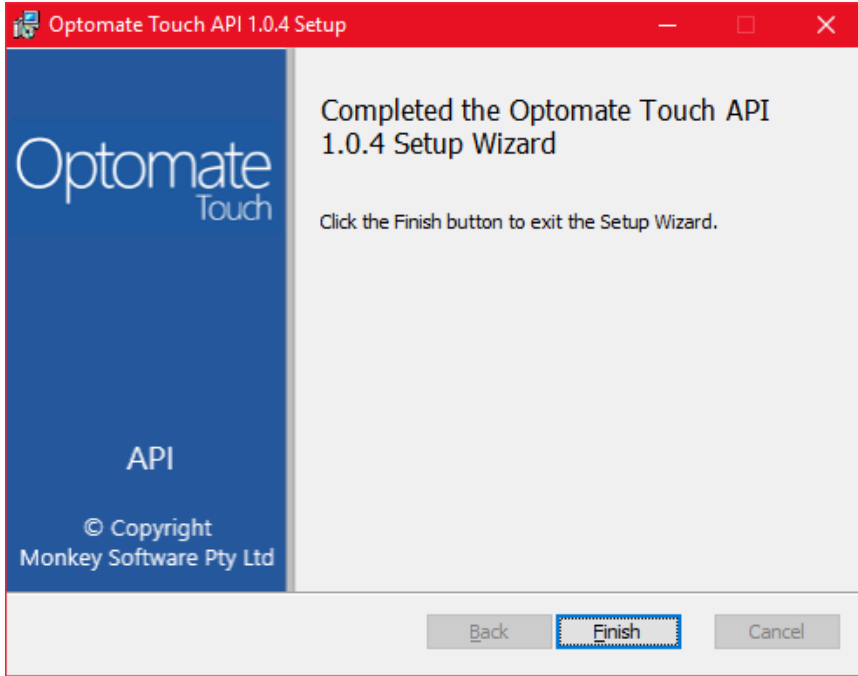
**STEP 5**

Click  to install the API.



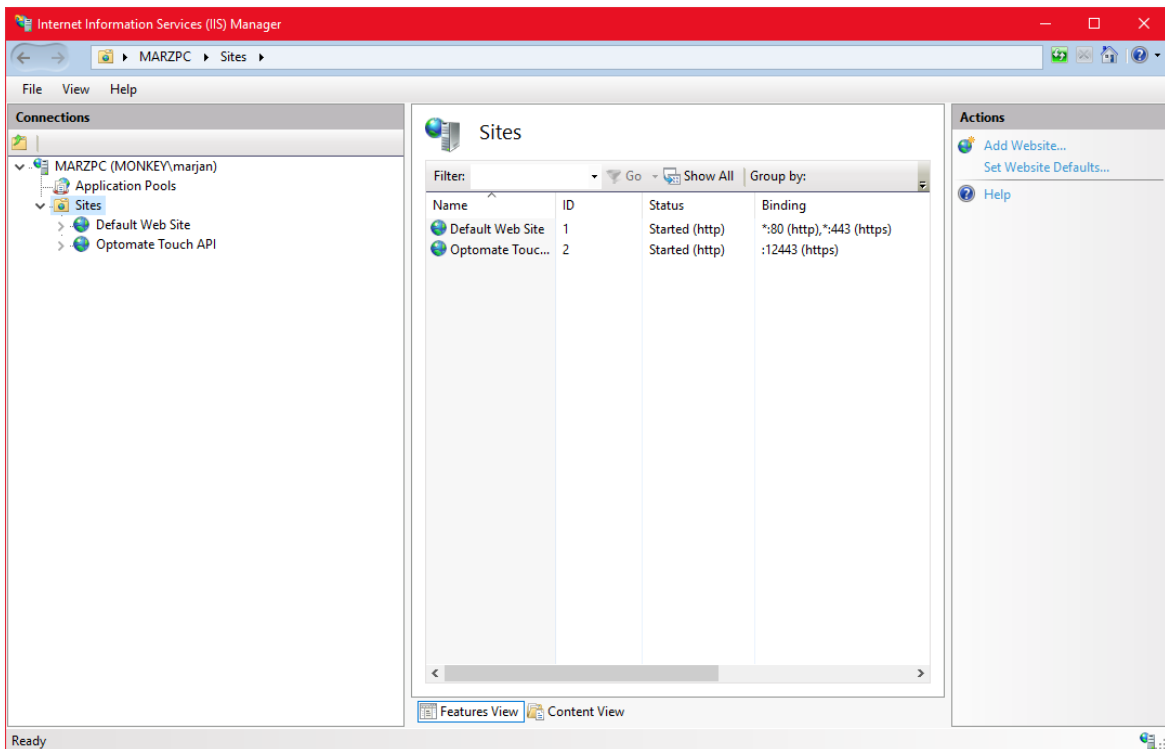
**STEP 6**

Click  to complete the installation.



**STEP 7**

If a Site Binding was configured, verify that the web site is up and running by checking the IIS Manager Console.



## CONFIGURATION

The API configuration file can be found in the API installation folder.

- Self-Hosted: OptomateTouchWebApiWinService.exe.config
- IIS Hosted: Web.config



Check Appendices for the current content of the configuration files.

If the API is hosted in IIS the config file and all other settings can be modified via IIS Manager.



Making incorrect changes to the configuration may cause the API to stop behaving as intended or completely stop functioning.

Once installed the following would need to be configured:

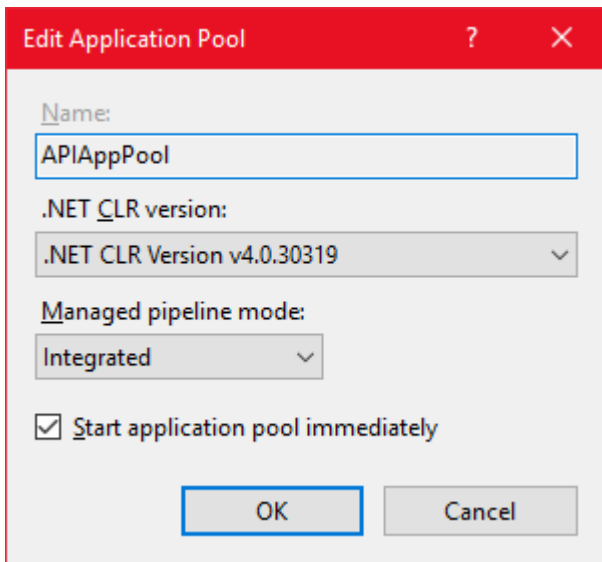
### HOST (SELF-HOSTED ONLY)

The configured Host for the API is `http://localhost:12000` however this can be changed if required by changing the value of the **api:Host** key in the `appSettings` section:

```
<appSettings>  
  <add key="api:Host" value="http://localhost:12000"/>  
</appSettings>
```

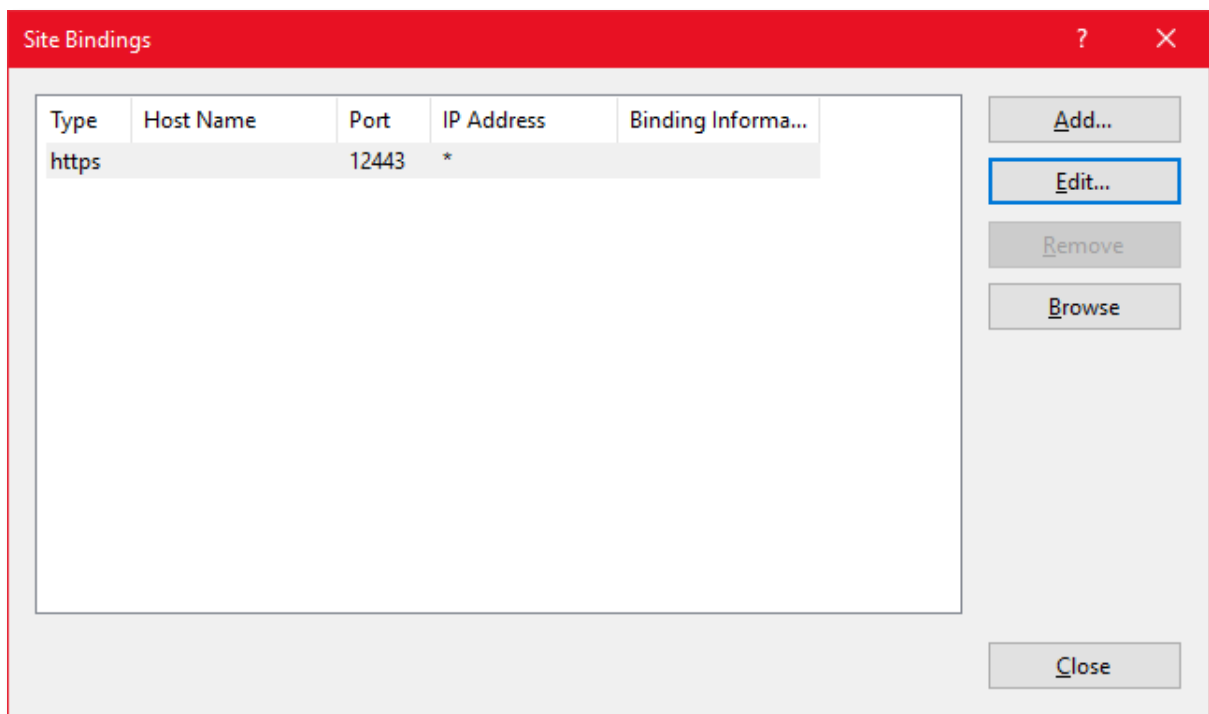
## APPLICATION POOL (IIS HOSTED ONLY)

By default, the Optomate Touch API web site will be configured with the default application pool. The web site would need to be configured with an application pool running under an account that has network access and read & execute permissions to the directory where the API is installed. The application pool needs to be configured with the following settings (the Name is just a suggestion):

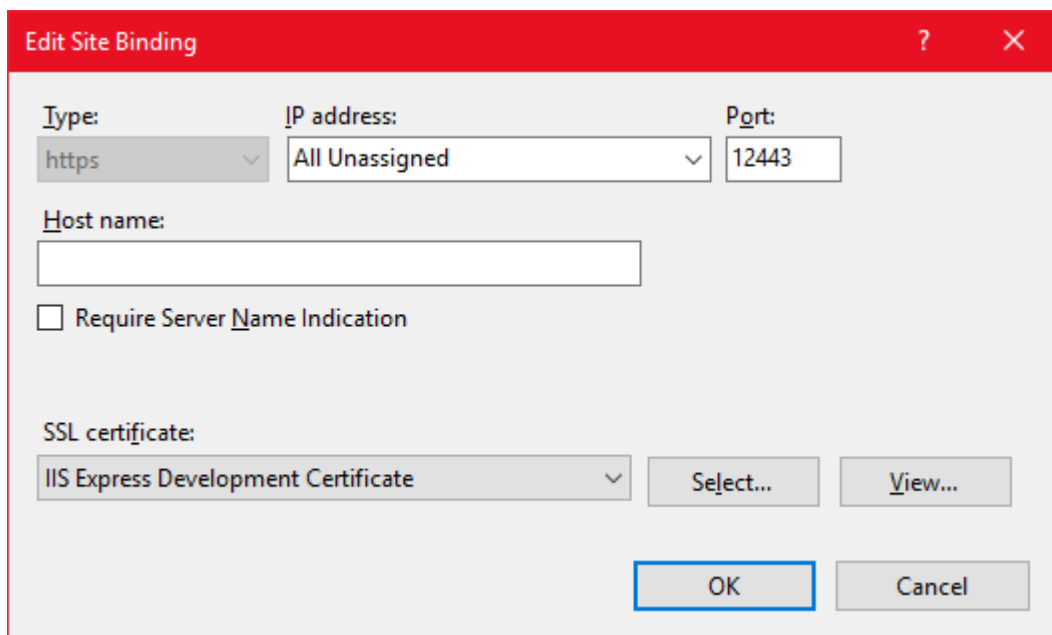


## SITE BINDINGS (IIS HOSTED ONLY)

If the Optomate Touch API web site is intended to be run over HTTPS, then a site binding of type Https would need to exist for the site. If one was not created during the installation process it can be added in IIS at a later stage:



An Https type binding needs to have an SSL Certificate\* assigned to it, which can be done by editing the binding:



(\*) – Needs to be a valid SSL Certificate issued by a Certificate Authority (CA)

## DB CONNECTION



If the Optomate Touch Database resides on a different host, or the SQL Server Database is a named instance, then the API configuration would need to be updated accordingly.

The Optomate Touch Database connection **OptomateTouchEntities** is configured in the connectionSettings section:

```
<connectionStrings>
  <add name="OptomateTouchEntities"
    connectionString="metadata=res://*/Models.OptomateTouchModel.csdl|res://*/Models.OptomateTouchModel.ssdl|res://*/Models.OptomateTouchModel.msl;provider=System.Data.SqlClient;provider connection string=&quot;data
    source=localhost;initial catalog=Optomate;persist security info=True;user
    id=OptomateApiService;password=*****;MultipleActiveResultSets=True;App=EntityFramework&quot;;
    providerName="System.Data.EntityClient" />
</connectionStrings>
```

The localhost in the highlighted part can be updated with the Hostname of the SQL Server. If the SQL Server was installed as a Named Instance, then the Hostname\Instance combination needs to be used in the data source string.

If a different DB account is to be used to the default OptomateApiService user, then the user id and password values in the connection string would need to be updated accordingly.

## EXECUTION TIMEOUT

An execution timeout setting can be optionally configured that will instruct the API to wait for a certain period (in seconds) for the execution of the SQL Server queries. When not specified, the default value of SQL Server will be used.

```
<appSettings>
  <add key="ExecutionTimeout" value="30" />
</appSettings>
```

## UNINSTALLING

When uninstalling the Optomate Touch API from a computer, the installer may fail to remove a configured Optomate Touch API web site from IIS. In this case the web site should be manually removed from IIS.

## SECURITY




Every request sent to the API will need to contain an **Authorization** header with the API user **Username** and **Password** that is configured and enabled in Optomate Touch

## AUTHENTICATION

In order to use the Optomate Touch API an API user would need to be configured in Optomate Touch and enabled. Each API call is secured with Basic Authentication requiring the credentials of an enabled API user.


An API user can be configured in Optomate Touch System Settings which can be accessed by clicking

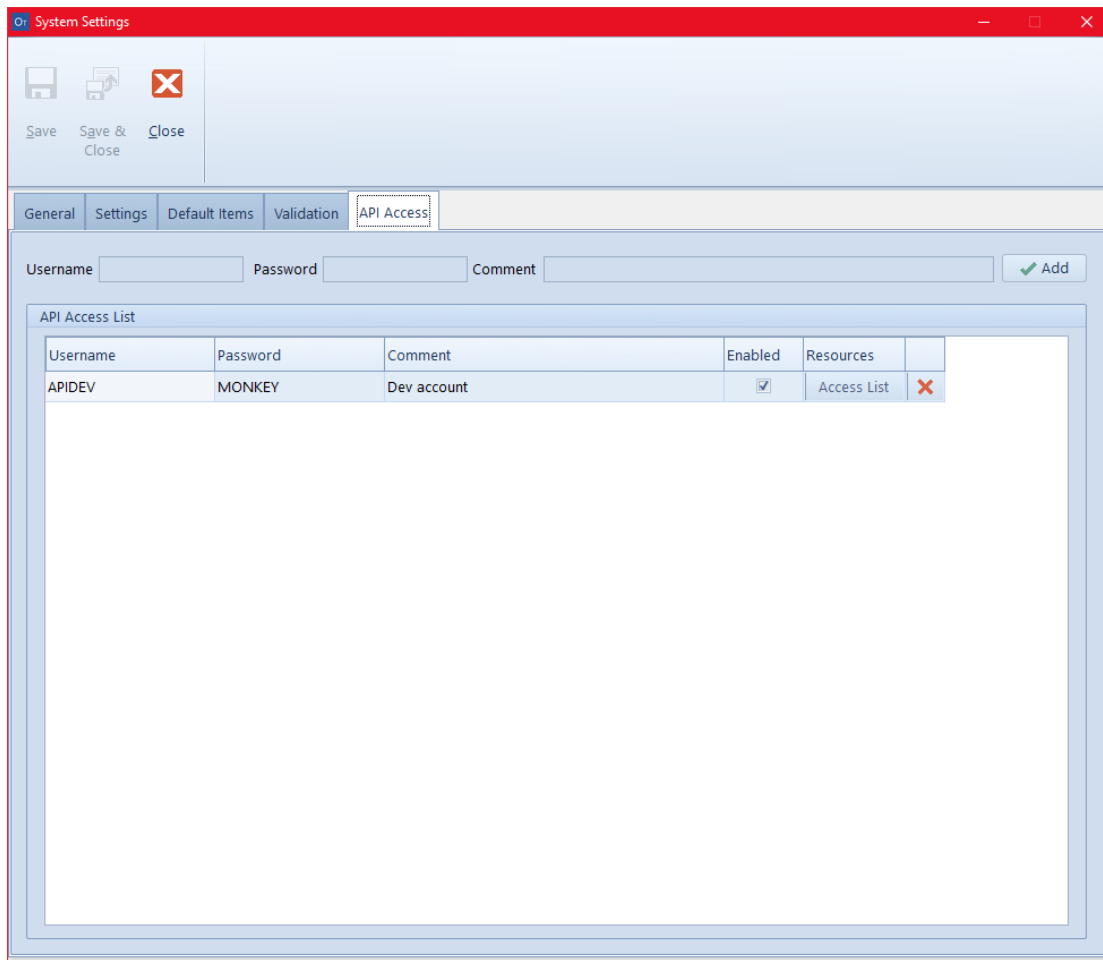


on  in the Setup tile group on the Optomate Touch home screen.

In the System Settings window go to the API Access tab to configure an API user. Enter the following:

- Username: name of the API user (min 4 characters)
- Password: password for the API user
- Comment: a short description of what the account will be used for (optional)

Click  to create the API user.



## AUTHORISATION

Each resource request needs to include Basic Authentication credentials of an API User that has the relevant access granted to it for that resource.

Click [Access List](#) to display the Access List dialog where the API user access permissions can be configured for each API resource. The Allowed Actions column displays which actions can be configured for each resource.

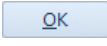
Access List API

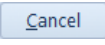
Resource Listing


Resource	Read	Create	Update	Allowed Actions
Appointments	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Read,Create,Update
Barcode Queue	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Read,Create
Branches	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Read
Contact Lens Brands	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Read,Create
Contact Lens Tints	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Read,Create,Update
Contact Lenses	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Read,Create,Update
Examinations	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Read
Frame Brands	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Read,Create,Update
Frame Constructions	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Read
Frame Materials	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Read
Institutions	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Read
Interests	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Read
Inventory Arrivals	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Read,Create
Item Categories	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Read
Occupations	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Read
Online Appointment Types	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Read
Optometrists	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Read
Other Items	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Read,Create,Update
Patient Interests	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Read,Create,Update
Patients	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Read,Create,Update
Purchase Orders	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Read,Create
Receipt Summary	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Read
Sales Summary	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Read
Solutions	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Read,Create,Update

Read Conditions

OK Cancel

Click  to accept the changes and close the pop-up dialog.

Click  to discard the changes and close the pop-up dialog.

Click Save  on the System Settings window to save all changes.



Assigning access permissions to the Patient Recalls resource to an API user will disable the Recalls Wizard in Optomate Touch, recalls can only be processed either in Optomate Touch or via the API, but not both.

## Read Conditions

Each resource may have a set of conditions that can be configured to restrict the data that gets returned in the Get (Read) requests.

### Patients

Read Conditions

Restrict to read ID, Title, Given, Middle, Surname & DOB only

By default, all patients' fields are returned in the Get requests. Ticking the check box in Optomate Touch will restrict the Get requests to return only the fields listed in the condition for the selected API user.

### Spectacle Lens Orders

Read Conditions

Supplier   All Suppliers

If the "All Suppliers" check box is ticked then all Spectacle Lens Orders will be returned in the Get requests. If a single Supplier is selected in the dropdown list then only the Spectacle Lens Orders for that supplier will be returned.

### Contact Lens Orders

Read Conditions

Supplier   All Suppliers

If the "All Suppliers" check box is ticked then all Contact Lens Orders will be returned in the Get requests. If a single Supplier is selected in the dropdown list then only the Contact Lens Orders for that supplier will be returned.

### Patient Recalls

Conditions

Letter     Email     SMS     Telephone

The API will return only Patient Recalls for the selected Contact Methods. If no Contact Methods are selected then the API will return an error.

## OPTOMATE TOUCH API

### DETAILS

Type	RESTful Web API that supports OData queries
Name	Optomate Touch API
Base URI	<a href="http(s)://&lt;hostname&gt;:&lt;port&gt;/OptomateTouch/OData4/">http(s)://&lt;hostname&gt;:&lt;port&gt;/OptomateTouch/OData4/</a>
Message Format	JSON



The service format description can be viewed using the **\$metadata** option.



Resources and Property names are CASE SENSITIVE. Resources are in CamelCase, Properties are in UPPERCASE.

#### Sample JSON message

```
{
  "ID": "4",
  "FIRST_NAME": "Joe",
  "LAST_NAME": "Bloggs",
  "AGE": 32,
  "INTERESTS": [
    {
      "ID": "1",
      "NAME": "Arts"
    },
    {
      "ID": "2",
      "NAME": "Movies"
    }
  ]
}
```



Any resource property of type record or Collection can be retrieved by using the OData **\$expand** query option. See appendices for examples.

### ODATA

The API supports OData queries utilising OData v4. OData (Open Data Protocol) is an ISO/IEC approved, OASIS standard that defines a set of best practices for building and consuming RESTful APIs. Supported OData query options are: \$select, \$expand, \$filter, \$orderby, \$top, \$skip, \$count and \$apply.



See Appendices for examples. For more information please refer to <https://www.odata.org/>.

## PRIMITIVE JSON VALUE FORMATS

Null values are represented as the JSON literal null.

Values of type Edm.Boolean are represented as the JSON literals true and false

Values of types Edm.Byte, Edm.SByte, Edm.Int16, Edm.Int32, Edm.Int64, Edm.Decimal, Edm.Single and Edm.Double are represented as JSON numbers.

Values of type Edm.String, Edm.Binary, Edm.DateTimeOffset, Edm.Date, Edm.TimeOfDay and Edm.Guid are represented as JSON strings.

## REQUEST

The Optomate Touch API implements the standard HTTP Request Methods as follows:

HTTP Method	Action
GET <Resource>	Return all records of the requested resource
GET <Resource>(ID)	Return a single record matched on the specified ID
POST <Resource>	Create the submitted resource
PUT <Resource>(ID)	Update the submitted resource providing all properties
PATCH <Resource>(ID)	Update the submitted resource providing only changes



The HTTP methods that are allowed to be performed will vary from resource to resource and these are described in the following sections of the document.

## RESPONSE

The Optomate Touch API returns standard HTTP Responses such as:

HTTP Status Code	Response
200	OK
201	Created
202	Accepted
400	Bad Request
401	Unauthorized
404	Not Found
409	Conflict
500	Internal Server Error

On successful request the following response is returned

Name	Type	Null
ID	Int64	<input checked="" type="checkbox"/>

When an error code is returned, an OData error may also be returned in the output.

### Sample OData Error

```

{"error": {
  "code": "",
  "message": "No HTTP resource was found that matches the request URI
'http://localhost:12000/OptomateTouch/odata4/UnknownResource'.",
  "innererror": {
    "message": "No routing convention was found to select an action for the OData path with template '~/entityset'.",
    "type": "",
    "stacktrace": ""
  }
}}
  
```

### Custom Errors

The API will return the following generic custom OData errors:

Code	Message
100	Missing Credentials!
101	Invalid Credentials!
102	The supplied User is disabled!
103	The supplied API User does not have the required permissions for this request!
200	The supplied request is invalid!
300	The record is currently locked for editing!
400	Validation Error for [<field>]: <DB validation message>
401	Validation Error for [<field>]: The value is required!
402	Validation Error for [<field>]: The field <field> must be a string or array type with a maximum length of '<n>'.
403	Validation Error for [<field>]: The value already exists!
404	Validation Error for [<field>]: The value is not found!
405	Validation Error for [<field>]: The value is not allowed!
500	Failed to Save Changes into Optomate: <reason>

### Appointments

Code	Message
800	STARTTIME must be earlier than ENDTIME!
801	Only 5-minute time intervals are allowed for STARTTIME/ENDTIME!
802	The Optometrist has another appointment at the specified time.
803	The appointment falls inside the Optometrist's adjusted inactive time.
804	The appointment falls outside the Optometrist's adjusted active time.
805	The appointment falls outside the Optometrist's scheduled active time.
806	The appointment has been marked as 'Do Not Move!'.

### Barcode Queue

Code	Message
810	The STOCK_ID cannot be found for the given BRANCH_IDENTIFIER!

### Inventory Arrivals

Code	Message
815	At least one ITEM needs to be included in the Inventory Arrival!

## Purchase Orders

Code	Message
820	At least one ITEM needs to be included in the Purchase Order!

## Spectacle / Contact Lens Orders

Code	Message
825	At least one of LEFT_LENS_BARCODE, RIGHT_LENS_BARCODE and SPECFRAME_BARCODE needs to be supplied!
826	RXDATE must be a past date no older than 2 years.
827	DISPENSER_IDENTIFIER is not an active Dispenser or Optometrist
828	At least one of LEFT_LENS_BARCODE or RIGHT_LENS_BARCODE needs to be supplied!

## Patient Recalls

Code	Message
830	Recall has already been sent!
831	Recall must have a DATE_DUE!
832	DATE_RUN must be greater or equal to recall DATE_DUE!
833	No Recall Contact Methods are permitted!

## Spectacle / Contact Lens Rx's

Code	Message
835	EXPIRY_DATE cannot be older than RXDATE!
836	RIGHT_EYE_ONLY and LEFT_EYE_ONLY cannot both be TRUE!

## Institution Receipts

Code	Message
840	The PATIENT_ID does not match the ID on the Invoice
841	The DATE_OF_PAYMENT cannot be a future date
842	There's no outstanding Invoice amount for the Institution
843	The AMOUNT_PAID does not match the outstanding invoice amount for the Institution

## Inventory Returns

Code	Message
850	At least one ITEM needs to be included in the Inventory Return!
851	The RETURN_DATE cannot be a future date
852	The CREDIT_ENT_DATE cannot be a future date
853	The CREDIT_DATE cannot be a future date

## Sensitive Search

Code	Message
860	Missing or invalid search parameter!
861	Missing And/Or construct!
862	Invalid predicate!
863	Missing property name!
864	Invalid {type} property {propertyName}!

## Optometrists

Code	Message
870	Optometrist is inactive or not included in the Appointment Book
871	<start_date> must be earlier than <finish_date>!

## Examinations

Code	Message
880	Examination is Finalised

## Patient Category Links

Code	Message
885	The Patient is already linked to the Patient Category

## Patients

Code	Message
890	The Patient cannot be set to Inactive, there is an outstanding balance.
891	The Patient cannot be set to Inactive, there are outstanding spectacle orders.
892	The Patient cannot be set to Inactive, there are outstanding contact orders.
893	The Patient cannot be set to Inactive, there are outstanding repairs.
894	The Patient cannot be set to Inactive, they are a main contact for a family group.
895	The Patient cannot be set to Inactive, there are future appointments.

## RESOURCES

All requests of type Post, Put and Patch upon a successful request will produce an output of type Result containing the resource Id.

Name	Type	Null
ID	Int32	<input checked="" type="checkbox"/>

On each Put or Patch request the API will check whether the requested resource is locked of editing in Optomate Touch.

## APPOINTMENT TRANSACTIONS

### GET AppointmentTransactions(ID)

Gets a single Appointment Transaction based on the specified ID.

### Output

Appointment Transaction record.

Name	Type	Null
ID	Int64	<input checked="" type="checkbox"/>
TRANSACTION	String (100)	<input checked="" type="checkbox"/>
DESCRIPTION	String (4000)	<input checked="" type="checkbox"/>
START_TIME	DateTimeOffset yyyy-MM-ddTHH:mm:sszzz	<input checked="" type="checkbox"/>
FINISH_TIME	DateTimeOffset yyyy-MM-ddTHH:mm:sszzz	<input checked="" type="checkbox"/>

APPOINTMENT_ID	Int64	<input checked="" type="checkbox"/>
BRANCH_IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
OPTOMETRIST_ID	Int64	<input checked="" type="checkbox"/>
PATIENT_ID	Int64	<input checked="" type="checkbox"/>
STATUS	Int32	<input checked="" type="checkbox"/>
DURATION	Int64	<input checked="" type="checkbox"/>

### GET AppointmentTransactions

Gets all Appointment Transactions in Optomate Touch.

#### Output

A Collection of Appointment Transaction records.

### APPOINTMENTS

#### GET Appointments(ID)

Gets a single Appointment based on the specified ID.

#### Output

Appointment record.

Name	Type	Null
ID	Int64	<input checked="" type="checkbox"/>
DATE_ADDED	DateTimeOffset <i>yyyy-MM-ddTHH:mm:ssffzzz</i>	<input checked="" type="checkbox"/>
USER_ADDED	String (20)	<input checked="" type="checkbox"/>
DATE_EDITED	DateTimeOffset <i>yyyy-MM-ddTHH:mm:ssffzzz</i>	<input checked="" type="checkbox"/>
USER_EDITED	String (20)	<input checked="" type="checkbox"/>
STARTDATETIME	DateTimeOffset <i>yyyy-MM-ddTHH:mm:sszzz</i>	<input checked="" type="checkbox"/>
ENDDATETIME	DateTimeOffset <i>yyyy-MM-ddTHH:mm:sszzz</i>	<input checked="" type="checkbox"/>
COMMENTS	String (4000)	<input checked="" type="checkbox"/>
CAPTION	String (100)	<input checked="" type="checkbox"/>
BRANCH_IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
OPTOMETRIST_ID	Int32	<input checked="" type="checkbox"/>
APPOINTMENT_TYPE	String (20)	<input checked="" type="checkbox"/>
PATIENT_ID	Int32	<input checked="" type="checkbox"/>
STATUS	Int32	<input checked="" type="checkbox"/>
IS_BREAK	Boolean	<input checked="" type="checkbox"/>
LOCK_APP	Boolean	<input checked="" type="checkbox"/>
DURATION	Int32	<input checked="" type="checkbox"/>

#### GET Appointments

Gets all Appointments in Optomate Touch.

#### Output

A Collection of Appointment records.

## POST Appointments/OptometristsAvailability

Gets Optometrists' availability in a given time period at a given branch. Available time is displayed in time blocks for each day in the selected time period for a given list of Optometrists. If a list of Optometrists is not provided then availability is returned for all Optometrists at the given branch.

### Input

Name	Type : Default	Null
SEARCH	Record (Search)	<input type="checkbox"/>

### SEARCH

Name	Type : Default	Null
BRANCH_IDENTIFIER	String (20)	<input type="checkbox"/>
STARTDATETIME	DateTime <i>yyyy-MM-ddTHH:mm</i>	<input type="checkbox"/>
ENDDATETIME	DateTime <i>yyyy-MM-ddTHH:mm</i>	<input type="checkbox"/>
OPTOMETRIST_IDS	Collection (Int64)	<input checked="" type="checkbox"/>

### Output

List of Optometrists' Availabilities. SCHEDULE displays the Optometrists' start and end times while AVAILABLE\_TIMEBLOCKS are the free times for each day.

Name	Type	Null
OPTOMETRISTS	Collection (Optometrist Availability)	<input type="checkbox"/>

### Optometrist Availability

Name	Type	Null
ID	Int64	<input type="checkbox"/>
GIVEN_NAME	String (100)	<input type="checkbox"/>
SURNAME	String (200)	<input type="checkbox"/>
SCHEDULE	Collection (Time Block)	<input checked="" type="checkbox"/>
AVAILABLE_TIMEBLOCKS	Collection (Time Block)	<input checked="" type="checkbox"/>

### Time Block

Name	Type	Null
STARTDATETIME	DateTimeOffset <i>yyyy-MM-ddTHH:mm:sszzz</i>	<input type="checkbox"/>
ENDDATETIME	DateTimeOffset <i>yyyy-MM-ddTHH:mm:sszzz</i>	<input type="checkbox"/>

## POST Appointment

Creates an Appointment in Optomate Touch.

### Input

Name	Type : Default	Null
STARTDATE	Date <i>yyyy-MM-dd</i>	<input type="checkbox"/>
STARTTIME	TimeOfDay <i>HH:mm</i>	<input type="checkbox"/>
ENDTIME	TimeOfDay <i>HH:mm</i> : <Calculated based on Optomate settings>	<input checked="" type="checkbox"/>
COMMENTS	String (4000)	<input checked="" type="checkbox"/>

CAPTION	String (100)	<input checked="" type="checkbox"/>
BRANCH_IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
OPTOMETRIST_ID	Int64	<input checked="" type="checkbox"/>
APPOINTMENT_TYPE	String (20)	<input checked="" type="checkbox"/>
PATIENT_ID	Int64	<input checked="" type="checkbox"/>
LOCK_APP	Boolean : false	<input checked="" type="checkbox"/>

## Output

The response will contain the Appointment ID and an additional message if the Patient already has a future appointment that is not cancelled: *"Please note that {GIVEN} {SURNAME} has an appointment booked for {STARTDATE (MMM dd yyyy)} at {STARTTIME (hh:mm tt)}"*

Name	Type	Null
ID	Int64	<input checked="" type="checkbox"/>
MESSAGE	String	<input checked="" type="checkbox"/>

## PUT Appointment(ID)

Updates an Appointment in Optomate Touch based on the specified ID.

### Input

Name	Type : Default	Null
STARTDATE	Date <i>yyyy-MM-dd</i>	<input checked="" type="checkbox"/>
STARTTIME	TimeOfDay <i>HH:mm</i>	<input checked="" type="checkbox"/>
ENDTIME	TimeOfDay <i>HH:mm</i> : <Calculated based on Optomate settings>	<input checked="" type="checkbox"/>
COMMENTS	String (4000)	<input checked="" type="checkbox"/>
CAPTION	String (100)	<input checked="" type="checkbox"/>
BRANCH_IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
OPTOMETRIST_ID	Int64	<input checked="" type="checkbox"/>
APPOINTMENT_TYPE	String (20)	<input checked="" type="checkbox"/>
PATIENT_ID	Int64	<input checked="" type="checkbox"/>
CANCEL_APPOINTMENT	Boolean : false	<input checked="" type="checkbox"/>
STATUS	Int32 <i>Will be ignored if null or CANCEL_APPOINTMENT is set</i>	<input checked="" type="checkbox"/>
LOCK_APP	Boolean : false	<input checked="" type="checkbox"/>

## PATCH Appointment(ID)

Same as Put except only the updated properties need to be supplied.

### Validation

The API will validate the following on Post (OptometristsAvailability)

Values for all properties that cannot be Null are supplied
Supplied values for BRANCH_IDENTIFIER exist in Optomate Touch
ENDDATETIME must be greater than STARTDATETIME

The API will validate the following on Post, Put or Patch (Appointment)

Values for all properties that cannot be Null are supplied
Supplied values for OPTOMETRIST_ID, BRANCH_IDENTIFIER, APPOINTMENT_TYPE and PATIENT_ID exist in Optomate Touch
ENDTIME must be greater than STARTTIME

The Optometrist is available on the specified date/time i.e. the appointment does not:

- clash with another appointment at the same Branch
- fall inside the Optometrist's adjusted inactive time
- fall outside the Optometrist's adjusted active time
- fall outside the Optometrist's scheduled active time

## BARCODE QUEUE

### GET BarcodeQueueItems(ID)

Gets a single Barcode Queue Item based on the specified ID.

#### Output

Barcode Queue Item record.

Name	Type	Null
ID	Int64	<input type="checkbox"/>
DATE_ADDED	DateTimeOffset <i>yyyy-MM-ddTHH:mm:ssffzzz</i>	<input type="checkbox"/>
USER_ADDED	String (20)	<input type="checkbox"/>
STOCK_ID	Int64	<input type="checkbox"/>
BARCODE	String (20)	<input checked="" type="checkbox"/>
DESCRIPTION	String (100)	<input checked="" type="checkbox"/>
QTY	Int32	<input type="checkbox"/>
INCLUDE	Boolean	<input type="checkbox"/>
BRANCH_IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
STOCK_TYPE	Int32	<input checked="" type="checkbox"/>

### GET BarcodeQueueItems

Gets all Barcode Queue Items in Optomate Touch.

#### Output

A Collection of Barcode Queue Item records.

### POST BarcodeQueueItem

Creates a Barcode Queue Item in Optomate Touch.

#### Input

Name	Type	Null
STOCK_ID	Int64	<input type="checkbox"/>
BRANCH_IDENTIFIER	String (20)	<input type="checkbox"/>
STOCK_TYPE	Int32	<input type="checkbox"/>

### Validation

The API will validate the following on Post

Values for all properties that cannot be Null are supplied

The supplied value for BRANCH\_IDENTIFIER exists in Optomate Touch

Supplied value for STOCK\_ID exists in Optomate Touch for the given BRANCH\_IDENTIFIER

Supplied value for STOCK\_TYPE is a valid Static Reference Data value that has BARCODE\_QUEUE set to true

## BRANCHES

### GET Branches(ID)

Gets a single Branch based on the specified ID.

#### Output

Branch record.

Name	Type	Null
ID	Int64	<input checked="" type="checkbox"/>
IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
NAME	String (100)	<input checked="" type="checkbox"/>
ADDRESS	String (200)	<input checked="" type="checkbox"/>
SUBURB	String (50)	<input checked="" type="checkbox"/>
STATE	String (100)	<input checked="" type="checkbox"/>
POSTCODE	String (10)	<input checked="" type="checkbox"/>
PHONE	String (20)	<input checked="" type="checkbox"/>
FAX	String (10)	<input checked="" type="checkbox"/>
EMAIL	String (100)	<input checked="" type="checkbox"/>
WEBSITE	String (100)	<input checked="" type="checkbox"/>
ABN	String (15)	<input checked="" type="checkbox"/>
BUSINESS_PROVIDER_NUMBER	String (30)	<input checked="" type="checkbox"/>
DEFAULT_APP_DURATION	Int64	<input checked="" type="checkbox"/>
DEFAULT_OPTOMETRIST_ID	Int64	<input checked="" type="checkbox"/>
REGION_ID	Int64	<input checked="" type="checkbox"/>

### GET Branches

Gets all Branches in Optomate Touch.

#### Output

Collection of Branch records.

### PATCH Branch(ID)

Updates a Branch in Optomate Touch based on the specified ID.

#### Input

Name	Type : Default	Null
NAME	String (100)	<input checked="" type="checkbox"/>
ADDRESS	String (200)	<input checked="" type="checkbox"/>
SUBURB	String (50)	<input checked="" type="checkbox"/>
STATE	String (100)	<input checked="" type="checkbox"/>
POSTCODE	String (10)	<input checked="" type="checkbox"/>
PHONE	String (20)	<input checked="" type="checkbox"/>
FAX	String (10)	<input checked="" type="checkbox"/>
EMAIL	String (100)	<input checked="" type="checkbox"/>
WEBSITE	String (100)	<input checked="" type="checkbox"/>
ABN	String (15)	<input checked="" type="checkbox"/>
BUSINESS_PROVIDER_NUMBER	String (30)	<input checked="" type="checkbox"/>

The API will validate the following on Patch

Values for all properties that cannot be Null are supplied

## BUSINESS DETAILS

### GET BusinessDetails(ID)

Gets a single Business Detail based on the specified ID.

#### Output

Business Detail record.

Name	Type	Null
ID	Int64	<input type="checkbox"/>
BUSINESS_NAME	String (100)	<input type="checkbox"/>
ADDRESS	String (4000)	<input checked="" type="checkbox"/>
SUBURB	String (100)	<input checked="" type="checkbox"/>
STATE	String (100)	<input checked="" type="checkbox"/>
POSTCODE	String (10)	<input checked="" type="checkbox"/>
PHONE	String (20)	<input checked="" type="checkbox"/>
FAX	String (20)	<input checked="" type="checkbox"/>
EMAIL	String (100)	<input checked="" type="checkbox"/>
WEBSITE	String (100)	<input checked="" type="checkbox"/>
SOFTWARE_TYPE_ID	Int16	<input type="checkbox"/>

### GET BusinessDetails

Gets all Business Details in Optomate Touch.

#### Output

Collection of Business Detail records.

## CONSULTATION ITEMS

### GET ConsultationItems(ID)

Gets a single Consultation Item based on the specified ID.

#### Output

Consultation Item record.

Name	Type	Null
ID	Int64	<input type="checkbox"/>
BARCODE	String (20)	<input type="checkbox"/>
DESCRIPTION	String (100)	<input type="checkbox"/>
MESSAGE	String (20)	<input checked="" type="checkbox"/>
MBS_ITEM_NUMBER	String (5)	<input checked="" type="checkbox"/>
CATEGORY_IDENTIFIER	String (20)	<input type="checkbox"/>
INSTITUTION_IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
INITIAL_CONSULTATION	Boolean	<input type="checkbox"/>
PRINT_REF_ON_INVREC	Boolean	<input type="checkbox"/>

INCLUDE_MSG_ON_INVREC	Boolean	<input checked="" type="checkbox"/>
SCHUDULE_FEE	Decimal	<input checked="" type="checkbox"/>
DIRECT_FEE	Decimal	<input checked="" type="checkbox"/>
IS_GST	Boolean	<input checked="" type="checkbox"/>

## GET ConsultationItems

Gets all Consultation Items in Optomate Touch.

### Output

Collection of Consultation Item records.

## CONTACT LENSES

### GET ContactLenses(ID)

Gets a single Contact Lens based on the specified ID.

### Output

Contact Lens record.

Name	Type	Null
ID	Int64	<input checked="" type="checkbox"/>
DATE_ADDED	DateTimeOffset yyyy-MM-ddTHH:mm:ssffzzz	<input checked="" type="checkbox"/>
USER_ADDED	String (20)	<input checked="" type="checkbox"/>
DATE_EDITED	DateTimeOffset yyyy-MM-ddTHH:mm:ssffzzz	<input checked="" type="checkbox"/>
USER_EDITED	String (20)	<input checked="" type="checkbox"/>
BARCODE	String (20)	<input checked="" type="checkbox"/>
SINGLE_HEALTH_FUND	String (5)	<input checked="" type="checkbox"/>
MULTI_HEALTH_FUND	String (5)	<input checked="" type="checkbox"/>
HF_BILL_QTY	Int32	<input checked="" type="checkbox"/>
DESCRIPTION	String (100)	<input checked="" type="checkbox"/>
ACCOUNT_DESCRIPTION	String (100)	<input checked="" type="checkbox"/>
SUPPLIER_STOCK_CODE	String (50)	<input checked="" type="checkbox"/>
WEB_ADDRESS	String (4000)	<input checked="" type="checkbox"/>
IS_GST	Boolean	<input checked="" type="checkbox"/>
FEATURES	String (40)	<input checked="" type="checkbox"/>
AXIS	String (40)	<input checked="" type="checkbox"/>
POWER	String (40)	<input checked="" type="checkbox"/>
TINT	String (40)	<input checked="" type="checkbox"/>
WATERCONTENT	Double	<input checked="" type="checkbox"/>
OXYGEN	String (10)	<input checked="" type="checkbox"/>
DISPOSABLE	Boolean	<input checked="" type="checkbox"/>
EXTENDEDWEAR	Boolean	<input checked="" type="checkbox"/>
NUMBEROFDAYSUSAGE	Double	<input checked="" type="checkbox"/>
FREQUENCY	String (1)	<input checked="" type="checkbox"/>
NODAYSATLAB	Double	<input checked="" type="checkbox"/>
BRAND_IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
CATEGORY_IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
SUPPLIER_IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
INSTITUTION_IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
EYETALK_PERMID	String (20)	<input checked="" type="checkbox"/>
EYETALK_BOOKCODE	String (20)	<input checked="" type="checkbox"/>
CIBA_CODE	String (20)	<input checked="" type="checkbox"/>

JJ_PRODUCTCODE	String (15)	<input checked="" type="checkbox"/>
NOTES	String (4000)	<input checked="" type="checkbox"/>
BRANCH_INFOS	Collection (Contact Lens Branch)	<input checked="" type="checkbox"/>
MEASURES	Collection (Contact Lens Measure)	<input checked="" type="checkbox"/>

## CONTACT LENS BRANCH

Name	Type	Null
ID	Int64	<input checked="" type="checkbox"/>
BRANCH_IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
COSTINC	Decimal	<input checked="" type="checkbox"/>
COSTEX	Decimal	<input checked="" type="checkbox"/>
SELLINC	Decimal	<input checked="" type="checkbox"/>
MEMBER_SELLINC	Decimal	<input checked="" type="checkbox"/>
LISTPRICEEX	Decimal	<input checked="" type="checkbox"/>
RRPINC	Decimal	<input checked="" type="checkbox"/>
DEFAULT_SELLQTY	Int64	<input checked="" type="checkbox"/>
QOH	Int64	<input checked="" type="checkbox"/>
REORDER_LEVEL	Int64	<input checked="" type="checkbox"/>
REORDER_QUANTITY	Int64	<input checked="" type="checkbox"/>
INVENTORY	Boolean	<input checked="" type="checkbox"/>
INACTIVE	Boolean	<input checked="" type="checkbox"/>
FAVOURITE	Boolean	<input checked="" type="checkbox"/>

## CONTACT LENS MEASURE

Name	Type	Null
ID	Int64	<input checked="" type="checkbox"/>
BASECURVE	Double	<input checked="" type="checkbox"/>
DIAMETER	Double	<input checked="" type="checkbox"/>
HML	String (1)	<input checked="" type="checkbox"/>

## GET ContactLenses

Gets all Contact Lenses in Optomate Touch.

### Output

A Collection of Contact Lens records.

## POST ContactLens

Creates a Contact Lens in Optomate Touch. The supplied values for BRANCH\_INFO\_INPUT will be used to create the related data for each Branch.

### Input

Name	Type : Default	Null
BARCODE	String (20)	<input checked="" type="checkbox"/>
SINGLE_HEALTH_FUND	String (5)	<input checked="" type="checkbox"/>
MULTI_HEALTH_FUND	String (5)	<input checked="" type="checkbox"/>
HF_BILL_QTY	Int32 : 0	<input checked="" type="checkbox"/>
DESCRIPTION	String (100)	<input checked="" type="checkbox"/>
ACCOUNT_DESCRIPTION	String (100)	<input checked="" type="checkbox"/>
SUPPLIER_STOCK_CODE	String (50)	<input checked="" type="checkbox"/>

WEB_ADDRESS	String (4000)	<input checked="" type="checkbox"/>
IS_GST	Boolean : false	<input checked="" type="checkbox"/>
FEATURES	String (40)	<input checked="" type="checkbox"/>
AXIS	String (40)	<input checked="" type="checkbox"/>
POWER	String (40)	<input checked="" type="checkbox"/>
TINT	String (40)	<input checked="" type="checkbox"/>
WATERCONTENT	Double : 0	<input checked="" type="checkbox"/>
OXYGEN	String (10)	<input checked="" type="checkbox"/>
DISPOSABLE	Boolean : false	<input checked="" type="checkbox"/>
EXTENDEDWEAR	Boolean : false	<input checked="" type="checkbox"/>
NUMBEROFDAYSUSAGE	Double : 0	<input checked="" type="checkbox"/>
FREQUENCY	String (1)	<input checked="" type="checkbox"/>
NODAYSATLAB	Double : 0	<input checked="" type="checkbox"/>
BRAND_IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
CATEGORY_IDENTIFIER	String (20)	<input type="checkbox"/>
SUPPLIER_IDENTIFIER	String (20)	<input type="checkbox"/>
INSTITUTION_IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
EYETALK_PERMID	String (20)	<input checked="" type="checkbox"/>
EYETALK_BOOKCODE	String (20)	<input checked="" type="checkbox"/>
CIBA_CODE	String (20)	<input checked="" type="checkbox"/>
JJ_PRODUCTCODE	String (15)	<input checked="" type="checkbox"/>
NOTES	String (4000)	<input checked="" type="checkbox"/>
BRANCH_INFO	Contact Lens Branch	<input checked="" type="checkbox"/>
MEASURES	Collection (Contact Lens Measure)	<input checked="" type="checkbox"/>

## CONTACT LENS BRANCH

Name	Type : Default	Null
COSTINC	Decimal : 0	<input checked="" type="checkbox"/>
COSTEX	Decimal : 0	<input checked="" type="checkbox"/>
SELLINC	Decimal : 0	<input checked="" type="checkbox"/>
LISTPRICEEX	Decimal : 0	<input checked="" type="checkbox"/>
RRPINC	Decimal : 0	<input checked="" type="checkbox"/>
DEFAULT_SELLQTY	Int64 : 0	<input checked="" type="checkbox"/>
QOH	Int64 : 0	<input checked="" type="checkbox"/>
REORDER_LEVEL	Int64 : 0	<input checked="" type="checkbox"/>
REORDER_QUANTITY	Int64 : 0	<input checked="" type="checkbox"/>
INVENTORY	Boolean : false	<input checked="" type="checkbox"/>
INACTIVE	Boolean : false	<input checked="" type="checkbox"/>
FAVOURITE	Boolean : false	<input checked="" type="checkbox"/>



The value for QOH will be set to 0 if INVENTORY is not set to true.

## CONTACT LENS MEASURE

Name	Type : Default	Null
OPERATION	String (1)	<input type="checkbox"/>
BASECURVE	Double : 0	<input checked="" type="checkbox"/>
DIAMETER	Double : 0	<input checked="" type="checkbox"/>
HML	String (1)	<input checked="" type="checkbox"/>

## PUT ContactLens(ID)

Updates a Contact Lens in Optomate Touch based on the specified ID. The supplied values for BRANCH\_INFO will update the related data for each Branch. If BRANCH\_IDENTIFIER is specified, then only that Branch related data will be updated.

### Input

Name	Type : Default	Null
SINGLE_HEALTH_FUND	String (5)	<input checked="" type="checkbox"/>
MULTI_HEALTH_FUND	String (5)	<input checked="" type="checkbox"/>
HF_BILL_QTY	Int32 : 0	<input checked="" type="checkbox"/>
DESCRIPTION	String (100)	<input type="checkbox"/>
ACCOUNT_DESCRIPTION	String (100)	<input checked="" type="checkbox"/>
SUPPLIER_STOCK_CODE	String (50)	<input checked="" type="checkbox"/>
WEB_ADDRESS	String (4000)	<input checked="" type="checkbox"/>
IS_GST	Boolean : false	<input checked="" type="checkbox"/>
FEATURES	String (40)	<input checked="" type="checkbox"/>
AXIS	String (40)	<input checked="" type="checkbox"/>
POWER	String (40)	<input checked="" type="checkbox"/>
TINT	String (40)	<input checked="" type="checkbox"/>
WATERCONTENT	Double : 0	<input checked="" type="checkbox"/>
OXYGEN	String (10)	<input checked="" type="checkbox"/>
DISPOSABLE	Boolean : false	<input checked="" type="checkbox"/>
EXTENDEDWEAR	Boolean : false	<input checked="" type="checkbox"/>
NUMBEROFDAYSUSAGE	Double : 0	<input checked="" type="checkbox"/>
FREQUENCY	String (1)	<input checked="" type="checkbox"/>
NODAYSATLAB	Double : 0	<input checked="" type="checkbox"/>
BRAND_IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
CATEGORY_IDENTIFIER	String (20)	<input type="checkbox"/>
SUPPLIER_IDENTIFIER	String (20)	<input type="checkbox"/>
INSTITUTION_IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
EYETALK_PERMID	String (20)	<input checked="" type="checkbox"/>
EYETALK_BOOKCODE	String (20)	<input checked="" type="checkbox"/>
CIBA_CODE	String (20)	<input checked="" type="checkbox"/>
JJ_PRODUCTCODE	String (15)	<input checked="" type="checkbox"/>
NOTES	String (4000)	<input checked="" type="checkbox"/>
BRANCH_INFO	Contact Lens Branch	<input checked="" type="checkbox"/>
MEASURES	Collection (Contact Lens Measure)	<input checked="" type="checkbox"/>

## CONTACT LENS BRANCH

Name	Type : Default	Null
BRANCH_IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
COSTINC	Decimal : 0	<input checked="" type="checkbox"/>
COSTEX	Decimal : 0	<input checked="" type="checkbox"/>
SELLINC	Decimal : 0	<input checked="" type="checkbox"/>
LISTPRICEEX	Decimal : 0	<input checked="" type="checkbox"/>
RRPINC	Decimal : 0	<input checked="" type="checkbox"/>
DEFAULT_SELLQTY	Int64 : 0	<input checked="" type="checkbox"/>
QOH	Int64 : 0	<input checked="" type="checkbox"/>
INVENTORY	Boolean : false	<input checked="" type="checkbox"/>
INACTIVE	Boolean : false	<input checked="" type="checkbox"/>
FAVOURITE	Boolean : false	<input checked="" type="checkbox"/>

## CONTACT LENS MEASURE

Name	Type : Default	Null
OPERATION	String (1)	<input type="checkbox"/>
ID	Int32	<input checked="" type="checkbox"/>
BASECURVE	Double : 0	<input checked="" type="checkbox"/>
DIAMETER	Double : 0	<input checked="" type="checkbox"/>
HML	String (1)	<input checked="" type="checkbox"/>

### PATCH ContactLens(ID)

Same as Put except only the updated properties need to be supplied.

#### Validation

The API will validate the following on Post, Put or Patch

Values for all properties that cannot be Null are supplied
Supplied value for BARCODE is a unique value that does not already exist in Optomate Touch for any stock item
Supplied values for CATEGORY_IDENTIFIER, SUPPLIER_IDENTIFIER, BRAND_IDENTIFIER, INSTITUTION_IDENTIFIER, BRANCH_INFO.BRANCH_IDENTIFIER and MEASURES.ID exist in Optomate Touch
Supplied values for FREQUENCY, MEASURES.OPERATION (Resource Operations - only 'C' for Post) and MEASURES_INPUT.HML (Measures Hml) are valid Static Reference values
Value for MEASURES.ID is supplied when MEASURES.OPERATION is 'U' or 'D'

## CONTACT LENS BRANDS

### GET ContactLensBrands(ID)

Gets a single Contact Lens Brand based on the specified ID.

#### Output

Contact Lens Brand record.

Name	Type	Null
ID	Int64	<input type="checkbox"/>
DATE_ADDED	DateTimeOffset yyyy-MM-ddTHH:mm:ssffzzz	<input type="checkbox"/>
USER_ADDED	String (20)	<input type="checkbox"/>
DATE_EDITED	DateTimeOffset yyyy-MM-ddTHH:mm:ssffzzz	<input checked="" type="checkbox"/>
USER_EDITED	String (20)	<input checked="" type="checkbox"/>
IDENTIFIER	String (20)	<input type="checkbox"/>
SUPPLIER_ID	Int64	<input type="checkbox"/>

### GET ContactLensBrands

Gets all Contact Lens Brands in Optomate Touch.

#### Output

Collection of Contact Lens Brand records.

## POST ContactLensBrand

Creates a Contact Lens Brand in Optomate Touch.

### Input

Name	Type	Null
IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
SUPPLIER_ID	Int64	<input checked="" type="checkbox"/>

### Validation

The API will validate the following on Post

Values for all properties that cannot be Null are supplied

Supplied value for IDENTIFIER is a unique value that does not already exist in Optomate Touch for the associated Supplier

Supplied value for SUPPLIER\_IDENTIFIER exists in Optomate Touch

## CONTACT LENS ORDERS

Has Read Conditions, see Security->Authorization->Read Conditions.

### GET ContactLensOrders(ID)

Gets a single Contact Lens Order based on the specified ID.

### Output

Contact Lens Order record.

Name	Type	Null
ID	Int64	<input checked="" type="checkbox"/>
DATE_ADDED	DateTimeOffset <i>yyyy-MM-ddTHH:mm:ssffzzz</i>	<input checked="" type="checkbox"/>
USER_ADDED	String (20)	<input checked="" type="checkbox"/>
DATE_EDITED	DateTimeOffset <i>yyyy-MM-ddTHH:mm:ssffzzz</i>	<input checked="" type="checkbox"/>
USER_EDITED	String (20)	<input checked="" type="checkbox"/>
PATIENT_ID	Int64	<input checked="" type="checkbox"/>
ORDER_DATE	Date <i>yyyy-MM-dd</i>	<input checked="" type="checkbox"/>
REQUIRED_DATE	Date <i>yyyy-MM-dd</i>	<input checked="" type="checkbox"/>
ORDERED_DATE	Date <i>yyyy-MM-dd</i>	<input checked="" type="checkbox"/>
RECEIVED_DATE	Date <i>yyyy-MM-dd</i>	<input checked="" type="checkbox"/>
COLLECTED_DATE	Date <i>yyyy-MM-dd</i>	<input checked="" type="checkbox"/>
FOLLOWED_UP_DATE	Date <i>yyyy-MM-dd</i>	<input checked="" type="checkbox"/>
RESUPPLY_DATE	Date <i>yyyy-MM-dd</i>	<input checked="" type="checkbox"/>
INVOICE_NUMBER	String (15)	<input checked="" type="checkbox"/>
REFERENCE	String (20)	<input checked="" type="checkbox"/>
ORDER_COMMENTS	String (4000)	<input checked="" type="checkbox"/>
PRACTICE_COMMENTS	String (4000)	<input checked="" type="checkbox"/>
RXDATE	Date <i>yyyy-MM-dd</i>	<input checked="" type="checkbox"/>
EXPIRY_DATE	Date <i>yyyy-MM-dd</i>	<input checked="" type="checkbox"/>
COMMENT	String (4000)	<input checked="" type="checkbox"/>
RIGHT_BASE_CURVE_1	String (10)	<input checked="" type="checkbox"/>
RIGHT_BASE_CURVE_2	String (10)	<input checked="" type="checkbox"/>
RIGHT_BASE_CURVE_3	String (10)	<input checked="" type="checkbox"/>
RIGHT_DIAMETER_1	String (10)	<input checked="" type="checkbox"/>

RIGHT_DIAMETER_2	String (10)	<input checked="" type="checkbox"/>
RIGHT_DIAMETER_3	String (10)	<input checked="" type="checkbox"/>
RIGHT_OPTIC_SIZE	String (10)	<input checked="" type="checkbox"/>
RIGHT_SPHERE	String (10)	<input checked="" type="checkbox"/>
RIGHT_SPHERE2	String (10)	<input checked="" type="checkbox"/>
RIGHT_CYL	String (10)	<input checked="" type="checkbox"/>
RIGHT_AXIS	String (10)	<input checked="" type="checkbox"/>
RIGHT_ADD	String (10)	<input checked="" type="checkbox"/>
RIGHT_DNHML	String (10)	<input checked="" type="checkbox"/>
RIGHT_MONO_DN	String (10)	<input checked="" type="checkbox"/>
LEFT_BASE_CURVE_1	String (10)	<input checked="" type="checkbox"/>
LEFT_BASE_CURVE_2	String (10)	<input checked="" type="checkbox"/>
LEFT_BASE_CURVE_3	String (10)	<input checked="" type="checkbox"/>
LEFT_DIAMETER_1	String (10)	<input checked="" type="checkbox"/>
LEFT_DIAMETER_2	String (10)	<input checked="" type="checkbox"/>
LEFT_DIAMETER_3	String (10)	<input checked="" type="checkbox"/>
LEFT_OPTIC_SIZE	String (10)	<input checked="" type="checkbox"/>
LEFT_SPHERE	String (10)	<input checked="" type="checkbox"/>
LEFT_SPHERE2	String (10)	<input checked="" type="checkbox"/>
LEFT_CYL	String (10)	<input checked="" type="checkbox"/>
LEFT_AXIS	String (10)	<input checked="" type="checkbox"/>
LEFT_ADD	String (10)	<input checked="" type="checkbox"/>
LEFT_DNHML	String (10)	<input checked="" type="checkbox"/>
LEFT_MONO_DN	String (10)	<input checked="" type="checkbox"/>
WHEN_READY	String (1)	<input checked="" type="checkbox"/>
WHEN_READY_TEXT	String (200)	<input checked="" type="checkbox"/>
WARRANTY	String (1)	<input checked="" type="checkbox"/>
WARRANTY_EXPIRY	Date <i>yyyy-MM-dd</i>	<input checked="" type="checkbox"/>
CANCELLED	Boolean	<input checked="" type="checkbox"/>
CANCELLED_REASON_ID	Int64	<input checked="" type="checkbox"/>
RIGHT_LENS_BARCODE	String (20)	<input checked="" type="checkbox"/>
RIGHT_LENS_DESCRIPTION	String (100)	<input checked="" type="checkbox"/>
RIGHT_QTY	Int64	<input checked="" type="checkbox"/>
RIGHT_TINT_IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
RIGHT_TOP	Single	<input checked="" type="checkbox"/>
RIGHT_BOTTOM	Single	<input checked="" type="checkbox"/>
LEFT_LENS_BARCODE	String (20)	<input checked="" type="checkbox"/>
LEFT_LENS_DESCRIPTION	String (100)	<input checked="" type="checkbox"/>
LEFT_QTY	Int64	<input checked="" type="checkbox"/>
LEFT_TINT_IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
LEFT_TOP	Single	<input checked="" type="checkbox"/>
LEFT_BOTTOM	Single	<input checked="" type="checkbox"/>
SUPPLIER_IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
LENSCOMMENT	String (100)	<input checked="" type="checkbox"/>
PRINT_ON_CARD	Boolean	<input type="checkbox"/>
PRINT_ON_ORDER	Boolean	<input type="checkbox"/>
TRIAL_ONLY	Boolean	<input type="checkbox"/>
BRANCH_IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
DISPENSER_IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
DELIVERY_BRANCH	String (20)	<input checked="" type="checkbox"/>
API_STATUS	String (100)	<input checked="" type="checkbox"/>
PATIENT_INVOICE_ID	Int64	<input checked="" type="checkbox"/>

### GET ContactLensOrders

Gets all Contact Lens Orders in Optomate Touch.

## Output

A Collection of Contact Lens Order records.

### POST ContactLensOrder

Creates a Contact Lens Order in Optomate Touch.

## Input

Name	Type : Default	Null
PATIENT_ID	Int64	<input checked="" type="checkbox"/>
ORDER_DATE	Date <i>yyyy-MM-dd</i> : <Current Date>	<input checked="" type="checkbox"/>
REQUIRED_DATE	Date <i>yyyy-MM-dd</i>	<input checked="" type="checkbox"/>
ORDERED_DATE	Date <i>yyyy-MM-dd</i>	<input checked="" type="checkbox"/>
REFERENCE	String (20)	<input checked="" type="checkbox"/>
ORDER_COMMENTS	String (4000)	<input checked="" type="checkbox"/>
PRACTICE_COMMENTS	String (4000)	<input checked="" type="checkbox"/>
RXDATE	Date <i>yyyy-MM-dd</i>	<input checked="" type="checkbox"/>
COMMENT	String (4000)	<input checked="" type="checkbox"/>
RIGHT_BASE_CURVE_1	String (10)	<input checked="" type="checkbox"/>
RIGHT_BASE_CURVE_2	String (10)	<input checked="" type="checkbox"/>
RIGHT_BASE_CURVE_3	String (10)	<input checked="" type="checkbox"/>
RIGHT_DIAMETER_1	String (10)	<input checked="" type="checkbox"/>
RIGHT_DIAMETER_2	String (10)	<input checked="" type="checkbox"/>
RIGHT_DIAMETER_3	String (10)	<input checked="" type="checkbox"/>
RIGHT_OPTIC_SIZE	String (10)	<input checked="" type="checkbox"/>
RIGHT_SPHERE	String (10)	<input checked="" type="checkbox"/>
RIGHT_SPHERE2	String (10)	<input checked="" type="checkbox"/>
RIGHT_CYL	String (10)	<input checked="" type="checkbox"/>
RIGHT_AXIS	String (10)	<input checked="" type="checkbox"/>
RIGHT_ADD	String (10)	<input checked="" type="checkbox"/>
RIGHT_DNHML	String (10)	<input checked="" type="checkbox"/>
RIGHT_MONO_DN	String (10)	<input checked="" type="checkbox"/>
LEFT_BASE_CURVE_1	String (10)	<input checked="" type="checkbox"/>
LEFT_BASE_CURVE_2	String (10)	<input checked="" type="checkbox"/>
LEFT_BASE_CURVE_3	String (10)	<input checked="" type="checkbox"/>
LEFT_DIAMETER_1	String (10)	<input checked="" type="checkbox"/>
LEFT_DIAMETER_2	String (10)	<input checked="" type="checkbox"/>
LEFT_DIAMETER_3	String (10)	<input checked="" type="checkbox"/>
LEFT_OPTIC_SIZE	String (10)	<input checked="" type="checkbox"/>
LEFT_SPHERE	String (10)	<input checked="" type="checkbox"/>
LEFT_SPHERE2	String (10)	<input checked="" type="checkbox"/>
LEFT_CYL	String (10)	<input checked="" type="checkbox"/>
LEFT_AXIS	String (10)	<input checked="" type="checkbox"/>
LEFT_ADD	String (10)	<input checked="" type="checkbox"/>
LEFT_DNHML	String (10)	<input checked="" type="checkbox"/>
LEFT_MONO_DN	String (10)	<input checked="" type="checkbox"/>
WHEN_READY	String (1)	<input checked="" type="checkbox"/>
WHEN_READY_TEXT	String (200)	<input checked="" type="checkbox"/>
WARRANTY	String (1)	<input checked="" type="checkbox"/>
WARRANTY_EXPIRY	Date <i>yyyy-MM-dd</i>	<input checked="" type="checkbox"/>
RIGHT_LENS_BARCODE	String (20)	<input checked="" type="checkbox"/>
RIGHT_QTY	Int64	<input checked="" type="checkbox"/>
RIGHT_TINT_IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
RIGHT_TOP	Single	<input checked="" type="checkbox"/>
RIGHT_BOTTOM	Single	<input checked="" type="checkbox"/>

LEFT_LENS_BARCODE	String (20)	<input checked="" type="checkbox"/>
LEFT_QTY	Int64	<input checked="" type="checkbox"/>
LEFT_TINT_IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
LEFT_TOP	Single	<input checked="" type="checkbox"/>
LEFT_BOTTOM	Single	<input checked="" type="checkbox"/>
SUPPLIER_IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
LENSCOMMENT	String (100)	<input checked="" type="checkbox"/>
PRINT_ON_CARD	Boolean : false	<input checked="" type="checkbox"/>
PRINT_ON_ORDER	Boolean : false	<input checked="" type="checkbox"/>
TRIAL_ONLY	Boolean : false	<input checked="" type="checkbox"/>
BRANCH_IDENTIFIER	String (20)	<input type="checkbox"/>
DISPENSER_IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
DELIVERY_BRANCH	String (20)	<input type="checkbox"/>
API_STATUS	String (100)	<input checked="" type="checkbox"/>

### PATCH ContactLensOrder(ID)

Updates a Contact Lens Order in Optomate Touch based on the specified ID.

#### Input

Name	Type : Default	Null
ORDERED_DATE	Date <i>yyyy-MM-dd</i>	<input checked="" type="checkbox"/>
API_STATUS	String (100)	<input checked="" type="checkbox"/>
CANCELLED	Boolean	<input checked="" type="checkbox"/>
CANCELLED_REASON_ID	Int64	<input checked="" type="checkbox"/>
PRACTICE_COMMENTS	String (4000)	<input checked="" type="checkbox"/>

#### Validation

The API will validate the following on Post

Values for all properties that cannot be Null are supplied
RXDATE is a past date no older than 2 years
At least one of LEFT_LENS_BARCODE or RIGHT_LENS_BARCODE is supplied
Supplied values for PATIENT_ID, BRANCH_IDENTIFIER, DELIVERY_BRANCH, SUPPLIER_IDENTIFIER, LEFT_LENS_BARCODE, RIGHT_LENS_BARCODE and LEFT_TINT_IDENTIFIER exist in Optomate Touch
Supplied values for LEFT_DNHML, RIGHT_DNHML (Contact Lens Order Types) and LEFT_MONO_DN and RIGHT_MONO_DN (Contact Lens Mono) are valid Static Reference values
Supplied value for DISPENSER_IDENTIFIER is an active Optometrist or Dispenser in Optomate Touch

The API will validate the following on Patch

Value for CANCELLED_REASON_ID is supplied if CANCELLED is set to TRUE
Supplied value for CANCELLED_REASON_ID exists in Optomate Touch

## CONTACT LENS RXS

### GET ContactLensRxs(ID)

Gets a single Contact Lens Rx based on the specified ID.

## Output

Contact Lens Rx record.

Name	Type	Null
ID	Int64	<input checked="" type="checkbox"/>
DATE_ADDED	DateTimeOffset yyyy-MM-ddTHH:mm:ssffzzz	<input checked="" type="checkbox"/>
USER_ADDED	String (20)	<input checked="" type="checkbox"/>
DATE_EDITED	DateTimeOffset yyyy-MM-ddTHH:mm:ssffzzz	<input checked="" type="checkbox"/>
USER_EDITED	String (20)	<input checked="" type="checkbox"/>
PATIENT_ID	Int64	<input checked="" type="checkbox"/>
RXDATE	Date yyyy-MM-dd	<input checked="" type="checkbox"/>
EXPIRY_DATE	Date yyyy-MM-dd	<input checked="" type="checkbox"/>
COMMENT	String (4000)	<input checked="" type="checkbox"/>
RIGHT_BASE_CURVE_1	String (10)	<input checked="" type="checkbox"/>
RIGHT_BASE_CURVE_2	String (10)	<input checked="" type="checkbox"/>
RIGHT_BASE_CURVE_3	String (10)	<input checked="" type="checkbox"/>
RIGHT_DIAMETER_1	String (10)	<input checked="" type="checkbox"/>
RIGHT_DIAMETER_2	String (10)	<input checked="" type="checkbox"/>
RIGHT_DIAMETER_3	String (10)	<input checked="" type="checkbox"/>
RIGHT_OPTIC_SIZE	String (10)	<input checked="" type="checkbox"/>
RIGHT_SPHERE	String (10)	<input checked="" type="checkbox"/>
RIGHT_SPHERE2	String (10)	<input checked="" type="checkbox"/>
RIGHT_CYL	String (10)	<input checked="" type="checkbox"/>
RIGHT_AXIS	String (10)	<input checked="" type="checkbox"/>
RIGHT_ADD	String (10)	<input checked="" type="checkbox"/>
RIGHT_DNHML	String (10)	<input checked="" type="checkbox"/>
RIGHT_MONO_DN	String (10)	<input checked="" type="checkbox"/>
LEFT_BASE_CURVE_1	String (10)	<input checked="" type="checkbox"/>
LEFT_BASE_CURVE_2	String (10)	<input checked="" type="checkbox"/>
LEFT_BASE_CURVE_3	String (10)	<input checked="" type="checkbox"/>
LEFT_DIAMETER_1	String (10)	<input checked="" type="checkbox"/>
LEFT_DIAMETER_2	String (10)	<input checked="" type="checkbox"/>
LEFT_DIAMETER_3	String (10)	<input checked="" type="checkbox"/>
LEFT_OPTIC_SIZE	String (10)	<input checked="" type="checkbox"/>
LEFT_SPHERE	String (10)	<input checked="" type="checkbox"/>
LEFT_SPHERE2	String (10)	<input checked="" type="checkbox"/>
LEFT_CYL	String (10)	<input checked="" type="checkbox"/>
LEFT_AXIS	String (10)	<input checked="" type="checkbox"/>
LEFT_ADD	String (10)	<input checked="" type="checkbox"/>
LEFT_DNHML	String (10)	<input checked="" type="checkbox"/>
LEFT_MONO_DN	String (10)	<input checked="" type="checkbox"/>
RIGHT_LENS_BARCODE	String (20)	<input checked="" type="checkbox"/>
RIGHT_LENS_DESCRIPTION	String (100)	<input checked="" type="checkbox"/>
LEFT_LENS_BARCODE	String (20)	<input checked="" type="checkbox"/>
LEFT_LENS_DESCRIPTION	String (100)	<input checked="" type="checkbox"/>
OPTOMETRIST_ID	String (20)	<input checked="" type="checkbox"/>
BRANCH_IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
RIGHT_EYE_ONLY	Boolean	<input checked="" type="checkbox"/>
LEFT_EYE_ONLY	Boolean	<input checked="" type="checkbox"/>
PRACTICE_COMMENT	String (4000)	<input checked="" type="checkbox"/>

### GET ContactLensRxs

Gets all Contact Lens Rxs in Optomate Touch.

## Output

A Collection of Contact Lens Rxs records.

### POST ContactLensRx

Creates a Contact Lens Rx in Optomate Touch.

## Input

Name	Type : Default	Null
PATIENT_ID	Int64	<input checked="" type="checkbox"/>
RXDATE	Date <i>yyyy-MM-dd</i>	<input checked="" type="checkbox"/>
EXPIRY_DATE	Date <i>yyyy-MM-dd</i>	<input checked="" type="checkbox"/>
COMMENT	String (4000)	<input checked="" type="checkbox"/>
RIGHT_BASE_CURVE_1	String (10)	<input checked="" type="checkbox"/>
RIGHT_BASE_CURVE_2	String (10)	<input checked="" type="checkbox"/>
RIGHT_BASE_CURVE_3	String (10)	<input checked="" type="checkbox"/>
RIGHT_DIAMETER_1	String (10)	<input checked="" type="checkbox"/>
RIGHT_DIAMETER_2	String (10)	<input checked="" type="checkbox"/>
RIGHT_DIAMETER_3	String (10)	<input checked="" type="checkbox"/>
RIGHT_OPTIC_SIZE	String (10)	<input checked="" type="checkbox"/>
RIGHT_SPHERE	String (10)	<input checked="" type="checkbox"/>
RIGHT_SPHERE2	String (10)	<input checked="" type="checkbox"/>
RIGHT_CYL	String (10)	<input checked="" type="checkbox"/>
RIGHT_AXIS	String (10)	<input checked="" type="checkbox"/>
RIGHT_ADD	String (10)	<input checked="" type="checkbox"/>
RIGHT_DNHML	String (10)	<input checked="" type="checkbox"/>
RIGHT_MONO_DN	String (10)	<input checked="" type="checkbox"/>
LEFT_BASE_CURVE_1	String (10)	<input checked="" type="checkbox"/>
LEFT_BASE_CURVE_2	String (10)	<input checked="" type="checkbox"/>
LEFT_BASE_CURVE_3	String (10)	<input checked="" type="checkbox"/>
LEFT_DIAMETER_1	String (10)	<input checked="" type="checkbox"/>
LEFT_DIAMETER_2	String (10)	<input checked="" type="checkbox"/>
LEFT_DIAMETER_3	String (10)	<input checked="" type="checkbox"/>
LEFT_OPTIC_SIZE	String (10)	<input checked="" type="checkbox"/>
LEFT_SPHERE	String (10)	<input checked="" type="checkbox"/>
LEFT_SPHERE2	String (10)	<input checked="" type="checkbox"/>
LEFT_CYL	String (10)	<input checked="" type="checkbox"/>
LEFT_AXIS	String (10)	<input checked="" type="checkbox"/>
LEFT_ADD	String (10)	<input checked="" type="checkbox"/>
LEFT_DNHML	String (10)	<input checked="" type="checkbox"/>
LEFT_MONO_DN	String (10)	<input checked="" type="checkbox"/>
RIGHT_LENS_BARCODE	String (20)	<input checked="" type="checkbox"/>
LEFT_LENS_BARCODE	String (20)	<input checked="" type="checkbox"/>
OPTOMETRIST_ID	String (20)	<input checked="" type="checkbox"/>
BRANCH_IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
RIGHT_EYE_ONLY	Boolean : False	<input checked="" type="checkbox"/>
LEFT_EYE_ONLY	Boolean : False	<input checked="" type="checkbox"/>
PRACTICE_COMMENT	String (4000)	<input checked="" type="checkbox"/>

## Validation

The API will validate the following on Post

Values for all properties that cannot be Null are supplied
EXPIRY_DATE cannot be older than RXDATE
Supplied values for PATIENT_ID, OPTOMETRIST_ID, BRANCH_IDENTIFIER, LEFT_LENS_BARCODE, RIGHT_LENS_BARCODE and LEFT_TINT_IDENTIFIER exist in Optomate Touch
Supplied values for LEFT_DNHML, RIGHT_DNHML (Contact Lens Order Types) and LEFT_MONO_DN and RIGHT_MONO_DN (Contact Lens Mono) are valid Static Reference values
RIGHT_EYE_ONLY and LEFT_EYE_ONLY cannot both be TRUE

## CONTACT LENS TINTS

### GET ContactLensTints(ID)

Gets a single Contact Lens Tint based on the specified ID.

#### Output

Contact Lens Tint record.

Name	Type : Default	Null
ID	Int64	<input checked="" type="checkbox"/>
DATE_ADDED	DateTimeOffset <i>yyyy-MM-ddTHH:mm:ssffzzz</i>	<input checked="" type="checkbox"/>
USER_ADDED	String (20)	<input checked="" type="checkbox"/>
DATE_EDITED	DateTimeOffset <i>yyyy-MM-ddTHH:mm:ssffzzz</i>	<input checked="" type="checkbox"/>
USER_EDITED	String (20)	<input checked="" type="checkbox"/>
BARCODE	String (20)	<input checked="" type="checkbox"/>
SINGLE_HEALTH_FUND	String (5)	<input checked="" type="checkbox"/>
MULTI_HEALTH_FUND	String (5)	<input checked="" type="checkbox"/>
DESCRIPTION	String (100)	<input checked="" type="checkbox"/>
ACCOUNT_DESCRIPTION	String (100)	<input checked="" type="checkbox"/>
SUPPLIER_STOCK_CODE	String (50)	<input checked="" type="checkbox"/>
IS_GST	Boolean	<input checked="" type="checkbox"/>
CATEGORY_IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
SUPPLIER_IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
CIBA_CODE	String (20)	<input checked="" type="checkbox"/>
NOTES	String (4000)	<input checked="" type="checkbox"/>
BRANCH_INFOS	Collection (Contact Lens Tint Branch)	<input checked="" type="checkbox"/>

### CONTACT LENS TINT BRANCH

Name	Type : Default	Null
BRANCH_IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
COSTINC	Decimal	<input checked="" type="checkbox"/>
COSTEX	Decimal	<input checked="" type="checkbox"/>
SELLINC	Decimal	<input checked="" type="checkbox"/>
MEMBER_SELLINC	Decimal	<input checked="" type="checkbox"/>
INACTIVE	Boolean	<input checked="" type="checkbox"/>
FAVOURITE	Boolean	<input checked="" type="checkbox"/>

### GET ContactLensTints

Gets all Contact Lens Tints in Optomate Touch.

#### Output

A Collection of Contact Lens Tint records.

## POST ContactLensTint

Creates a Contact Lens Tint in Optomate Touch. The supplied values for BRANCH\_INFO\_INPUT will be used to create the related data for each Branch.

### Input

Name	Type : Default	Null
BARCODE	String (20)	<input type="checkbox"/>
SINGLE_HEALTH_FUND	String (5)	<input checked="" type="checkbox"/>
MULTI_HEALTH_FUND	String (5)	<input checked="" type="checkbox"/>
DESCRIPTION	String (100)	<input type="checkbox"/>
ACCOUNT_DESCRIPTION	String (100)	<input checked="" type="checkbox"/>
SUPPLIER_STOCK_CODE	String (50)	<input checked="" type="checkbox"/>
IS_GST	Boolean : false	<input checked="" type="checkbox"/>
CATEGORY_IDENTIFIER	String (20)	<input type="checkbox"/>
SUPPLIER_IDENTIFIER	String (20)	<input type="checkbox"/>
CIBA_CODE	String (20)	<input checked="" type="checkbox"/>
NOTES	String (4000)	<input checked="" type="checkbox"/>
BRANCH_INFO	Contact Lens Tint Branch	<input checked="" type="checkbox"/>

## CONTACT LENS TINT BRANCH

Name	Type : Default	Null
COSTINC	Decimal : 0	<input checked="" type="checkbox"/>
COSTEX	Decimal : 0	<input checked="" type="checkbox"/>
SELLINC	Decimal : 0	<input checked="" type="checkbox"/>

## PUT ContactLensTint(ID)

Updates a Contact Lens Tint in Optomate Touch based on the specified ID. The supplied values for BRANCH\_INFO will update the related data for each Branch. If BRANCH\_IDENTIFIER is specified, then only that Branch related data will be updated.

### Input

Name	Type : Default	Null
SINGLE_HEALTH_FUND	String (5)	<input checked="" type="checkbox"/>
MULTI_HEALTH_FUND	String (5)	<input checked="" type="checkbox"/>
DESCRIPTION	String (100)	<input type="checkbox"/>
ACCOUNT_DESCRIPTION	String (100)	<input checked="" type="checkbox"/>
SUPPLIER_STOCK_CODE	String (50)	<input checked="" type="checkbox"/>
IS_GST	Boolean : false	<input checked="" type="checkbox"/>
CATEGORY_IDENTIFIER	String (20)	<input type="checkbox"/>
SUPPLIER_IDENTIFIER	String (20)	<input type="checkbox"/>
CIBA_CODE	String (20)	<input checked="" type="checkbox"/>
NOTES	String (4000)	<input checked="" type="checkbox"/>
BRANCH_INFO	Contact Lens Tint Branch	<input checked="" type="checkbox"/>
INACTIVE	Boolean	<input type="checkbox"/>
FAVOURITE	Boolean	<input type="checkbox"/>

## CONTACT LENS TINT BRANCH

Name	Type : Default	Null
BRANCH_IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
COSTINC	Decimal : 0	<input checked="" type="checkbox"/>
COSTEX	Decimal : 0	<input checked="" type="checkbox"/>
SELLINC	Decimal : 0	<input checked="" type="checkbox"/>
INACTIVE	Boolean	<input checked="" type="checkbox"/>
FAVOURITE	Boolean	<input checked="" type="checkbox"/>

### PATCH ContactLensTint(ID)

Same as Put except only the updated properties need to be supplied.

#### Validation

The API will validate the following on Post, Put or Patch

Values for all properties that cannot be Null are supplied
Supplied value for BARCODE is a unique value that does not already exist in Optomate Touch for any stock item
Supplied values for CATEGORY_IDENTIFIER, SUPPLIER_IDENTIFIER and BRANCH_INFO.BRANCH_IDENTIFIER exist in Optomate Touch

## DISPENSERS

### GET Dispensers(ID)

Gets a single active Dispenser based on the specified ID.

#### Output

Dispenser record.

Name	Type	Null
ID	Int64	<input checked="" type="checkbox"/>
IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
BRANCH_IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
GIVEN_NAME	String (100)	<input checked="" type="checkbox"/>
SURNAME	String (200)	<input checked="" type="checkbox"/>
INACTIVE	Boolean	<input checked="" type="checkbox"/>

### GET Dispensers

Gets all active Dispensers in Optomate Touch.

#### Output

Collection of Dispenser records

## EXAMINATIONS

### GET Examinations(ID)

Gets a single Examination based on the specified ID.

## Output

Examination record.

Name	Type	Null
ID	Int64	<input type="checkbox"/>
DATE_ADDED	DateTimeOffset <i>yyyy-MM-ddTHH:mm:ssffzzz</i>	<input type="checkbox"/>
USER_ADDED	String (20)	<input type="checkbox"/>
DATE_EDITED	DateTimeOffset <i>yyyy-MM-ddTHH:mm:ssffzzz</i>	<input checked="" type="checkbox"/>
USER_EDITED	String (20)	<input checked="" type="checkbox"/>
EXAM_DESCRIPTION	String (80)	<input type="checkbox"/>
EXAM_MANUAL_NOTE	String (50)	<input checked="" type="checkbox"/>
EXAM_DATE	DateTimeOffset <i>yyyy-MM-ddTHH:mm:sszzz</i>	<input type="checkbox"/>
EXAM_TIME	TimeOfDay <i>hh:mm tt</i>	<input type="checkbox"/>
PATIENT_ID	Int64	<input type="checkbox"/>
BRANCH_IDENTIFIER	String (20)	<input type="checkbox"/>
OPTOMETRIST_ID	Int64	<input type="checkbox"/>
DETAILS	Record (Examination Detail)	<input type="checkbox"/>
CURRENT_MEDICATIONS	Collection (Examination Current Medication)	<input checked="" type="checkbox"/>
PRESCRIBED_MEDICATIONS	Collection (Examination Prescribed Medication)	<input checked="" type="checkbox"/>
ADDENDUMS	Collection (Examination Addendum)	<input checked="" type="checkbox"/>

## EXAMINATION DETAIL

See Appendices for details.

## EXAMINATION CURRENT MEDICATION

Name	Type	Null
MEDICATION_DATE	DateTimeOffset <i>yyyy-MM-ddTHH:mm:sszzz</i>	<input type="checkbox"/>
COMMON_NAME	String (60)	<input type="checkbox"/>
DRUG_NAME	String (80)	<input type="checkbox"/>
DOSAGE	String (100)	<input checked="" type="checkbox"/>
FREQUENCY	String (100)	<input checked="" type="checkbox"/>
TREATMENT_OF	String (20)	<input checked="" type="checkbox"/>
CLASS	String (20)	<input checked="" type="checkbox"/>
PBS_DRUG	Boolean	<input type="checkbox"/>
RPBS_DRUG	Boolean	<input type="checkbox"/>
REQUIRES_AUTHORITY	Boolean	<input type="checkbox"/>
REPEATS	Int64	<input type="checkbox"/>
SCHEDULE	Int64	<input type="checkbox"/>
PREG_CLASS	String (20)	<input checked="" type="checkbox"/>
EYE	String (1)	<input checked="" type="checkbox"/>
NO_BRAND_SUBSTITUTION	Boolean	<input type="checkbox"/>

## EXAMINATION PRESCRIBED MEDICATION

Name	Type	Null
MEDICATION_DATE	DateTimeOffset <i>yyyy-MM-ddTHH:mm:sszzz</i>	<input type="checkbox"/>
COMMON_NAME	String (60)	<input type="checkbox"/>
DRUG_NAME	String (80)	<input type="checkbox"/>
DOSAGE	String (100)	<input checked="" type="checkbox"/>
FREQUENCY	String (100)	<input checked="" type="checkbox"/>
TREATMENT_OF	String (20)	<input checked="" type="checkbox"/>
CLASS	String (20)	<input checked="" type="checkbox"/>
PBS_DRUG	Boolean	<input type="checkbox"/>

RPBS_DRUG	Boolean	<input type="checkbox"/>
REQUIRES_AUTHORITY	Boolean	<input type="checkbox"/>
REPEATS	Int64	<input type="checkbox"/>
SCHEDULE	Int64	<input type="checkbox"/>
PREG_CLASS	String (20)	<input checked="" type="checkbox"/>
EYE	String (1)	<input checked="" type="checkbox"/>
AUTHORISATION_NUMBER	String (20)	<input checked="" type="checkbox"/>
NO_BRAND_SUBSTITUTION	Boolean	<input type="checkbox"/>

## EXAMINATION ADDENDUM

Name	Type	Null
DESCRIPTION	String (60)	<input type="checkbox"/>
NOTES	String (4000)	<input type="checkbox"/>

## GET Examinations(ID)/ExaminationContactLens

Gets a single Examination Contact Lens record related to the Examination based on the specified ID.

### Output

Examination Contact Lens record. See Appendices for details.

## GET Examinations(ID)/Optometrist

Gets a single Optometrist related to the Examination based on the specified ID.

### Output

Optometrist record.

## GET Examinations

Gets all Examinations in Optomate Touch.

### Output

Collection of Examination records.

## POST Examination

Creates an Examination in Optomate Touch.

### Input

Name	Type : Default	Null
EXAM_DATE	Date <i>yyyy-MM-dd</i>	<input type="checkbox"/>
EXAM_TIME	TimeOfDay <i>hh:mm tt</i>	<input type="checkbox"/>
PATIENT_ID	Int64	<input type="checkbox"/>
BRANCH_IDENTIFIER	String (20)	<input type="checkbox"/>
OPTOMETRIST_ID	Int64	<input type="checkbox"/>
DETAILS	Record (Examination Detail Input)	<input checked="" type="checkbox"/>

### PUT Examination(ID)

Updates an Examination in Optomate Touch based on the specified ID. A Finalised Examination cannot be updated.

#### Input

Name	Type : Default	Null
DETAILS	Record (Examination Detail Input)	<input checked="" type="checkbox"/>

### PATCH Examination(ID)

Same as Put except only the updated properties need to be supplied.

#### Examination Detail Input

Name	Type	Null
ADVICE_MANAGEMENT_NOTE	String (4000)	<input checked="" type="checkbox"/>
COMPLAINT_NOTE	String (4000)	<input checked="" type="checkbox"/>
COMPLETED	Boolean	<input checked="" type="checkbox"/>
GENERAL_HEALTH_NOTE	String (4000)	<input checked="" type="checkbox"/>
PAST_OCULAR_HISTORY_NOTE	String (4000)	<input checked="" type="checkbox"/>
FAMILY_OCULAR_HISTORY_NOTE	String (4000)	<input checked="" type="checkbox"/>

#### Validation

The API will validate the following on Post

Values for all properties that cannot be Null are supplied

Supplied values for OPTOMETRIST\_ID, BRANCH\_IDENTIFIER and PATIENT\_ID exist in Optomate Touch

The API will validate the following on Put and Patch

The Examination is not Finalised

## HEALTH FUNDS

### GET HealthFunds(ID)

Gets a single Health Fund based on the specified ID.

#### Output

Health Fund record.

Name	Type	Null
ID	Int64	<input checked="" type="checkbox"/>
IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
NAME	String (100)	<input checked="" type="checkbox"/>
ADDRESS	String (200)	<input checked="" type="checkbox"/>
SUBURB	String (50)	<input checked="" type="checkbox"/>
STATE	String (100)	<input checked="" type="checkbox"/>
POSTCODE	String (10)	<input checked="" type="checkbox"/>
PHONE1	String (20)	<input checked="" type="checkbox"/>

PHONE2	String (20)	<input checked="" type="checkbox"/>
FAX	String (20)	<input checked="" type="checkbox"/>
EMAIL	String (100)	<input checked="" type="checkbox"/>
WEBSITE	String (100)	<input checked="" type="checkbox"/>
CONTACT	String (20)	<input checked="" type="checkbox"/>
NOTES	String (4000)	<input checked="" type="checkbox"/>
REBATE	String (1)	<input checked="" type="checkbox"/>

### GET HealthFunds

Gets all Health Funds in Optomate Touch.

#### OUTPUT

Collection of Health Fund records.

### FRAME CONSTRUCTIONS

#### GET FrameConstructions(ID)

Gets a single Frame Construction based on the specified ID.

#### Output

Frame Construction record.

Name	Type	Null
ID	Int64	<input checked="" type="checkbox"/>
IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
NAME	String (50)	<input checked="" type="checkbox"/>

#### GET FrameConstructions

Gets all Frame Constructions in Optomate Touch.

#### OUTPUT

Collection of Frame Construction records.

### FRAME BRANDS

#### GET FrameBrands(ID)

Gets a single Frame Brand based on the specified ID.

#### Output

Frame Brand record.

Name	Type	Null
ID	Int64	<input checked="" type="checkbox"/>
DATE_ADDED	DateTimeOffset <i>yyyy-MM-ddTHH:mm:ssffzzz</i>	<input checked="" type="checkbox"/>
USER_ADDED	String (20)	<input checked="" type="checkbox"/>
DATE_EDITED	DateTimeOffset <i>yyyy-MM-ddTHH:mm:ssffzzz</i>	<input checked="" type="checkbox"/>
USER_EDITED	String (20)	<input checked="" type="checkbox"/>

IDENTIFIER	String (20)	<input type="checkbox"/>
SUPPLIER_ID	Int64	<input type="checkbox"/>
DOWNLOAD	Boolean	<input type="checkbox"/>

### GET FrameBrands

Gets all Frame Brands in Optomate Touch.

#### OUTPUT

Collection of Frame Brand records.

### POST FrameBrand

Creates a Frame Brand in Optomate Touch.

#### Input

Name	Type : Default	Null
IDENTIFIER	String (20)	<input type="checkbox"/>
SUPPLIER_ID	Int64	<input type="checkbox"/>
DOWNLOAD	Boolean : False	<input checked="" type="checkbox"/>

### PUT FrameBrand(ID)

Updates a Frame Brand in Optomate Touch based on the specified ID.

#### Input

Name	Type : Default	Null
DOWNLOAD	Boolean : False	<input checked="" type="checkbox"/>

### Validation

The API will validate the following on Post or Put

Values for all properties that cannot be Null are supplied
Supplied value for IDENTIFIER is a unique value that does not already exist in Optomate Touch for the associated Supplier
Supplied value for SUPPLIER_ID exists in Optomate Touch

## FRAME MATERIALS

### GET FrameMaterials(ID)

Gets a single Frame Material based on the specified ID.

#### Output

Frame Material record.

Name	Type	Null
ID	Int64	<input type="checkbox"/>
IDENTIFIER	String (20)	<input type="checkbox"/>
NAME	String (50)	<input type="checkbox"/>

## GET FrameMaterials

Gets all Frame Materials in Optomate Touch.

### OUTPUT

Collection of Frame Material records.

## INSTITUTIONS

### GET Institutions(ID)

Gets a single Institution based on the specified ID.

### Output

Institution record.

Name	Type	Null
ID	Int64	<input checked="" type="checkbox"/>
IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
NAME	String (50)	<input checked="" type="checkbox"/>

### GET Institutions

Gets all Institutions in Optomate Touch.

### OUTPUT

Collection of Institution records.

## INSTITUTION RECEIPTS

### GET InstitutionReceipts(ID)

Gets a single Institution Receipt based on the specified ID.

### Output

Institution Receipt record.

Name	Type	Null
ID	Int64	<input checked="" type="checkbox"/>
DATE_ADDED	DateTimeOffset <i>yyyy-MM-ddTHH:mm:ssffzzz</i>	<input checked="" type="checkbox"/>
USER_ADDED	String (20)	<input checked="" type="checkbox"/>
DATE_EDITED	DateTimeOffset <i>yyyy-MM-ddTHH:mm:ssffzzz</i>	<input checked="" type="checkbox"/>
USER_EDITED	String (20)	<input checked="" type="checkbox"/>
INSTITUTION_ID	Int64	<input checked="" type="checkbox"/>
PAID_AMOUNT	Decimal	<input checked="" type="checkbox"/>
DATE_OF_PAYMENT	Date <i>yyyy-MM-dd</i>	<input checked="" type="checkbox"/>
BRANCH_IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
REBATE_PAYMENTS	Collection (Rebate Payment)	<input checked="" type="checkbox"/>

## REBATE PAYMENT

Name	Type	Null
ID	Int64	<input checked="" type="checkbox"/>
PATIENT_ID	Int64	<input checked="" type="checkbox"/>
INVOICE_ID	Int64	<input checked="" type="checkbox"/>
INVOICE_ITEM_ID	Int64	<input checked="" type="checkbox"/>
PAID_AMOUNT	Decimal	<input checked="" type="checkbox"/>

## POST InstitutionReceipt

Creates an Institution Receipt in Optomate Touch.

### Input

Name	Type : Default	Null
INSTITUTION_ID	Int64	<input checked="" type="checkbox"/>
PATIENT_ID	Int64	<input checked="" type="checkbox"/>
INVOICE_ID	Int64	<input checked="" type="checkbox"/>
PAID_AMOUNT	Decimal	<input checked="" type="checkbox"/>
PAYMENT_TYPE_CODE	String (3)	<input checked="" type="checkbox"/>
DATE_OF_PAYMENT	Date <i>yyyy-MM-dd</i> : <Current Date>	<input checked="" type="checkbox"/>
BRANCH_IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
OPTOMETRIST_ID	Int64	<input checked="" type="checkbox"/>

### Validation

The API will validate the following on Post

Values for all properties that cannot be Null are supplied
Supplied values for INVOICE_ID, INSTITUTION_ID, PATIENT_ID, OPTOMETRIST_ID and BRANCH_IDENTIFIER exist in Optomate Touch
The supplied PATIENT_ID needs to match the ID on the Invoice
The DATE_OF_PAYMENT cannot be a future date
The Invoice must have an outstanding amount for the Institution
The AMOUNT_PAID must match the outstanding invoice amount for the Institution

## INTERESTS

### GET Interests(ID)

Gets a single Interest based on the specified ID.

### Output

Interest record.

Name	Type	Null
ID	Int64	<input checked="" type="checkbox"/>
NAME	String (200)	<input checked="" type="checkbox"/>

## GET Interests

Gets all Interests in Optomate Touch.

### OUTPUT

Collection of Interest records.

## INVENTORY ARRIVALS

### GET InventoryArrivals(ID)

Gets a single Inventory Arrival based on the specified ID.

### Output

Inventory Arrival record.

Name	Type	Null
ID	Int64	<input type="checkbox"/>
DATE_ADDED	DateTimeOffset <i>yyyy-MM-ddTHH:mm:ssffzz</i>	<input type="checkbox"/>
USER_ADDED	String (20)	<input type="checkbox"/>
DATE_EDITED	DateTimeOffset <i>yyyy-MM-ddTHH:mm:ssffzz</i>	<input checked="" type="checkbox"/>
USER_EDITED	String (20)	<input checked="" type="checkbox"/>
SUPPLIER_IDENTIFIER	String (20)	<input type="checkbox"/>
BRANCH_IDENTIFIER	String (3)	<input type="checkbox"/>
INVOICE_NUMBER	String (30)	<input type="checkbox"/>
REFERENCE	String (100)	<input checked="" type="checkbox"/>
ARRIVAL_DATE	Date <i>yyyy-MM-dd</i>	<input type="checkbox"/>
INVOICE_DATE	Date <i>yyyy-MM-dd</i>	<input type="checkbox"/>
COMMENTS	String (4000)	<input checked="" type="checkbox"/>
OTHERITEM_DETAILS	String (200)	<input checked="" type="checkbox"/>
OTHERITEM_IS_GST	Boolean	<input type="checkbox"/>
OTHERITEM_AMOUNTEX	Decimal	<input type="checkbox"/>
OTHERITEM_AMOUNTINC	Decimal	<input type="checkbox"/>
FREIGHT_IS_GST	Boolean	<input type="checkbox"/>
FREIGHT_EXGST	Decimal	<input type="checkbox"/>
FREIGHT_INCGST	Decimal	<input type="checkbox"/>
DISCOUNT	Decimal	<input type="checkbox"/>
TOTAL_GST	Decimal	<input type="checkbox"/>
ARRIVAL_TYPE	Int32	<input type="checkbox"/>
FROM_PURCH_ORDER	Boolean	<input checked="" type="checkbox"/>
PURCH_ORDER_ID	String	<input checked="" type="checkbox"/>
SUB_TOTAL	Decimal	<input type="checkbox"/>
TOTAL	Decimal	<input type="checkbox"/>
ITEMS	Collection (Inventory Arrival Item)	<input type="checkbox"/>

### INVENTORY ARRIVAL ITEM

Name	Type	Null
ID	Int64	<input type="checkbox"/>
UNIQUE_ITEM_ID	Int64	<input type="checkbox"/>
STOCK_TYPE_ID	Int32	<input type="checkbox"/>
QTY	Int32	<input type="checkbox"/>
ITEM_COMMENT	String (100)	<input checked="" type="checkbox"/>
DISCOUNT_PERCENT	Double	<input type="checkbox"/>

LIST_PRICEEX	Decimal	<input checked="" type="checkbox"/>
IS_TAXABLE	Boolean	<input checked="" type="checkbox"/>
EXTENDED_PRICEEX	Decimal	<input checked="" type="checkbox"/>

## GET InventoryArrivals

Gets all Inventory Arrivals in Optomate Touch.

### Output

A Collection of Inventory Arrival records.

## POST InventoryArrival

Creates an Inventory Arrival record in Optomate Touch.

### Input

Name	Type : Default	Null
SUPPLIER_IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
BRANCH_IDENTIFIER	String (3)	<input checked="" type="checkbox"/>
INVOICE_NUMBER	String (30)	<input checked="" type="checkbox"/>
REFERENCE	String (100)	<input checked="" type="checkbox"/>
ARRIVAL_DATE	Date <i>yyyy-MM-dd</i> : <Current Date>	<input checked="" type="checkbox"/>
INVOICE_DATE	Date <i>yyyy-MM-dd</i> : <Current Date>	<input checked="" type="checkbox"/>
COMMENTS	String (4000)	<input checked="" type="checkbox"/>
OTHERITEM_DETAILS	String (200)	<input checked="" type="checkbox"/>
OTHERITEM_IS_GST	Boolean : false	<input checked="" type="checkbox"/>
OTHERITEM_AMOUNTEX	Decimal : 0	<input checked="" type="checkbox"/>
FREIGHT_IS_GST	Boolean : false	<input checked="" type="checkbox"/>
FREIGHT_EXGST	Decimal : 0	<input checked="" type="checkbox"/>
ARRIVAL_TYPE	Int32	<input checked="" type="checkbox"/>
FROM_PURCH_ORDER	Boolean : false	<input checked="" type="checkbox"/>
PURCH_ORDER_ID	Int64	<input checked="" type="checkbox"/>
ITEMS	Collection (Inventory Arrival Item)	<input checked="" type="checkbox"/>

## ITEMS

Name	Type : Default	Null
ID	Int64	<input checked="" type="checkbox"/>
STOCK_TYPE_ID	Int32	<input checked="" type="checkbox"/>
QTY	Int32	<input checked="" type="checkbox"/>
ITEM_COMMENT	String (100)	<input checked="" type="checkbox"/>
DISCOUNT_PERCENT	Double : 0	<input checked="" type="checkbox"/>
LIST_PRICEEX	Decimal : <Item List Price>	<input checked="" type="checkbox"/>

## Validation

The API will validate the following on Post

Values for all properties that cannot be Null are supplied
At least one ITEM is included in the Inventory Arrival
Supplied values for SUPPLIER_IDENTIFIER, BRANCH_IDENTIFIER, ARRIVAL_TYPE and ITEM. STOCK_TYPE_ID exist in Optomate Touch
Supplied value for ITEM.ID exists in Optomate Touch for the stock type and related supplier

Supplied value for ITEMS.QTY is a positive value

Supplied values for ITEMS.LIST\_PRICEEX and ITEMS.DISCOUNT\_PERCENT are not negative values

## INVENTORY MOVEMENTS

### GET InventoryMovements(ID)

Gets a single Inventory Movement based on the specified ID.

#### Output

Inventory Movement record.

Name	Type	Null
ID	Int64	<input type="checkbox"/>
DATE_ADDED	DateTimeOffset yyyy-MM-ddTHH:mm:ssffzz	<input type="checkbox"/>
USER_ADDED	String (20)	<input type="checkbox"/>
DATE_EDITED	DateTimeOffset yyyy-MM-ddTHH:mm:ssffzz	<input checked="" type="checkbox"/>
USER_EDITED	String (20)	<input checked="" type="checkbox"/>
BRANCH_IDENTIFIER	String (3)	<input type="checkbox"/>
TYPE	Int64	<input type="checkbox"/>
QTY	Int64	<input type="checkbox"/>
PRE_QOH	Int64	<input type="checkbox"/>
POST_QOH	Int64	<input type="checkbox"/>
BARCODE	String (20)	<input type="checkbox"/>
SUPPLIER_STOCK_CODE	String (50)	<input checked="" type="checkbox"/>
INVENTORY_DESCRIPTION	String (100)	<input type="checkbox"/>
INVENTORY_TYPE	Int64	<input type="checkbox"/>
DISPLAY	Boolean	<input type="checkbox"/>
CONSIGNEMENT	Boolean	<input type="checkbox"/>
SUPPLIER_IDENTIFIER	String (20)	<input type="checkbox"/>
TRANSFER_BRANCH_IDENTIFIER	String (3)	<input checked="" type="checkbox"/>
ADJUSTMENT_REASON	String (100)	<input checked="" type="checkbox"/>

### GET InventoryMovements

Gets all Inventory Movements in Optomate Touch.

#### Output

A Collection of Inventory Movement records.

## INVENTORY RETURNS

### GET InventoryReturns(ID)

Gets a single Inventory Return based on the specified ID.

#### Output

Inventory Return record.

Name	Type	Null
ID	Int64	<input type="checkbox"/>
DATE_ADDED	DateTimeOffset yyyy-MM-ddTHH:mm:ssffzz	<input type="checkbox"/>

USER_ADDED	String (20)	<input type="checkbox"/>
DATE_EDITED	DateTimeOffset <i>yyyy-MM-ddTHH:mm:ssffzzz</i>	<input checked="" type="checkbox"/>
USER_EDITED	String (20)	<input checked="" type="checkbox"/>
SUPPLIER_IDENTIFIER	String (20)	<input type="checkbox"/>
BRANCH_IDENTIFIER	String (3)	<input type="checkbox"/>
REFERENCE	String (100)	<input checked="" type="checkbox"/>
RETURN_DATE	Date <i>yyyy-MM-dd</i>	<input type="checkbox"/>
COMMENTS	String (4000)	<input checked="" type="checkbox"/>
CREDITNOTE_NO	String (20)	<input checked="" type="checkbox"/>
CREDIT_ENT_DATE	Date <i>yyyy-MM-dd</i>	<input checked="" type="checkbox"/>
CREDIT_DATE	Date <i>yyyy-MM-dd</i>	<input checked="" type="checkbox"/>
OTHERITEM_DETAILS	String (200)	<input checked="" type="checkbox"/>
OTHERITEM_IS_GST	Boolean	<input type="checkbox"/>
OTHERITEM_AMOUNTEX	Decimal	<input type="checkbox"/>
OTHERITEM_AMOUNTINC	Decimal	<input type="checkbox"/>
FREIGHT_IS_GST	Boolean	<input type="checkbox"/>
FREIGHT_EXGST	Decimal	<input type="checkbox"/>
FREIGHT_INCGST	Decimal	<input type="checkbox"/>
TOTAL_GST	Decimal	<input type="checkbox"/>
RETURN_TYPE_ID	Int32	<input type="checkbox"/>
SUB_TOTAL	Decimal	<input type="checkbox"/>
TOTAL	Decimal	<input type="checkbox"/>
ITEMS	Collection (Inventory Return Item)	<input type="checkbox"/>

## INVENTORY RETURN ITEM

Name	Type	Null
ID	Int64	<input type="checkbox"/>
UNIQUE_ITEM_ID	Int64	<input type="checkbox"/>
STOCK_TYPE_ID	Int32	<input type="checkbox"/>
QTY	Int32	<input type="checkbox"/>
LIST_PRICEEX	Decimal	<input type="checkbox"/>
IS_TAXABLE	Boolean	<input type="checkbox"/>
EXTENDED_PRICEEX	Decimal	<input type="checkbox"/>

## GET InventoryReturns

Gets all Inventory Returns in Optomate Touch.

### Output

A Collection of Inventory Return records.

## POST InventoryReturn

Creates an Inventory Return record in Optomate Touch.

### Input

Name	Type : Default	Null
SUPPLIER_IDENTIFIER	String (20)	<input type="checkbox"/>
BRANCH_IDENTIFIER	String (3)	<input type="checkbox"/>
REFERENCE	String (100)	<input checked="" type="checkbox"/>
RETURN_DATE	Date <i>yyyy-MM-dd</i> : <Current Date>	<input checked="" type="checkbox"/>
COMMENTS	String (4000)	<input checked="" type="checkbox"/>
CREDITNOTE_NO	String (20)	<input checked="" type="checkbox"/>

CREDIT_ENT_DATE	Date <i>yyyy-MM-dd</i>	<input checked="" type="checkbox"/>
CREDIT_DATE	Date <i>yyyy-MM-dd</i>	<input checked="" type="checkbox"/>
OTHERITEM_DETAILS	String (200)	<input checked="" type="checkbox"/>
OTHERITEM_IS_GST	Boolean : false	<input checked="" type="checkbox"/>
OTHERITEM_AMOUNTEX	Decimal : 0	<input checked="" type="checkbox"/>
FREIGHT_IS_GST	Boolean : false	<input checked="" type="checkbox"/>
FREIGHT_EXGST	Decimal : 0	<input checked="" type="checkbox"/>
RETURN_TYPE_ID	Int32	<input checked="" type="checkbox"/>
ITEMS	Collection (Inventory Return Item)	<input checked="" type="checkbox"/>

## ITEMS

Name	Type : Default	Null
ID	Int64	<input checked="" type="checkbox"/>
STOCK_TYPE_ID	Int32	<input checked="" type="checkbox"/>
QTY	Int32	<input checked="" type="checkbox"/>
LIST_PRICEEX	Decimal : <Item List Price>	<input checked="" type="checkbox"/>

## Validation

The API will validate the following on Post

Values for all properties that cannot be Null are supplied
At least one ITEM is included in the Inventory Return
Supplied values for SUPPLIER_IDENTIFIER, BRANCH_IDENTIFIER, RETURN_TYPE_ID and ITEM. STOCK_TYPE_ID exist in Optomate Touch
Supplied value for ITEM.ID exists in Optomate Touch for the stock type and related supplier
Supplied value for ITEMS.QTY is a positive value
Supplied value for ITEMS.LIST_PRICEEX is not a negative value
RETURN_DATE, CREDIT_ENT_DATE and CREDIT_DATE cannot be future dates

## INVENTORY TRANSFERS

### GET InventoryTransfers(ID)

Gets a single Inventory Transfer based on the specified ID.

### Output

Inventory Transfer record.

Name	Type	Null
ID	Int64	<input checked="" type="checkbox"/>
DATE_ADDED	DateTimeOffset <i>yyyy-MM-ddTHH:mm:ssffzz</i>	<input checked="" type="checkbox"/>
USER_ADDED	String (20)	<input checked="" type="checkbox"/>
DATE_EDITED	DateTimeOffset <i>yyyy-MM-ddTHH:mm:ssffzz</i>	<input checked="" type="checkbox"/>
USER_EDITED	String (20)	<input checked="" type="checkbox"/>
TRANSFER_DATE	Date <i>yyyy-MM-dd</i>	<input checked="" type="checkbox"/>
FROM_BRANCH_IDENTIFIER	String (3)	<input checked="" type="checkbox"/>
TO_BRANCH_IDENTIFIER	String (3)	<input checked="" type="checkbox"/>
USER_IDENTIFIER	String (3)	<input checked="" type="checkbox"/>
COMMENT	String (100)	<input checked="" type="checkbox"/>
IS_RECEIVED	Boolean	<input checked="" type="checkbox"/>
RECEIVED_USER_IDENTIFIER	String (3)	<input checked="" type="checkbox"/>

RECEIVED_DATE	Date <i>yyyy-MM-dd</i>	<input checked="" type="checkbox"/>
TRANSFER_REASON	String (100)	<input checked="" type="checkbox"/>
INVOICE_ID	Int64	<input checked="" type="checkbox"/>
ITEMS	Collection (Inventory Transfer Item)	<input checked="" type="checkbox"/>

## INVENTORY TRANSFER ITEM

Name	Type	Null
ID	Int64	<input checked="" type="checkbox"/>
ITEM_BARCODE	String (20)	<input checked="" type="checkbox"/>
DESCRIPTION	String (100)	<input checked="" type="checkbox"/>
QTY	Int32	<input checked="" type="checkbox"/>
COSTEXTAX	Decimal	<input checked="" type="checkbox"/>
COLOUR_DESCRIPTION	String (50)	<input checked="" type="checkbox"/>
STOCK_TYPE_ID	Int32	<input checked="" type="checkbox"/>

## GET InventoryTransfers

Gets all Inventory Transfers in Optomate Touch.

### Output

A Collection of Inventory Transfer records.

## INVENTORY WRITEOFFS

### GET InventoryWriteOffs(ID)

Gets a single Inventory WriteOff based on the specified ID.

### Output

Inventory WriteOff record.

Name	Type	Null
ID	Int64	<input checked="" type="checkbox"/>
DATE_ADDED	DateTimeOffset <i>yyyy-MM-ddTHH:mm:ssffz</i>	<input checked="" type="checkbox"/>
USER_ADDED	String (20)	<input checked="" type="checkbox"/>
DATE_EDITED	DateTimeOffset <i>yyyy-MM-ddTHH:mm:ssffz</i>	<input checked="" type="checkbox"/>
USER_EDITED	String (20)	<input checked="" type="checkbox"/>
BRANCH_IDENTIFIER	String (3)	<input checked="" type="checkbox"/>
COMMENT	String (100)	<input checked="" type="checkbox"/>
WRITEOFF_DATE	Date <i>yyyy-MM-dd</i>	<input checked="" type="checkbox"/>
WRITEOFF_REASON	String (100)	<input checked="" type="checkbox"/>
USER_IDENTIFIER	String (3)	<input checked="" type="checkbox"/>
ITEMS	Collection (Inventory WriteOff Item)	<input checked="" type="checkbox"/>

## INVENTORY WRITEOFF ITEM

Name	Type	Null
ID	Int64	<input checked="" type="checkbox"/>
DESCRIPTION	String (100)	<input checked="" type="checkbox"/>
COSTEXTAX	Decimal	<input checked="" type="checkbox"/>
ITEM_BARCODE	String (20)	<input checked="" type="checkbox"/>
STOCK_TYPE_ID	Int32	<input checked="" type="checkbox"/>

QTY	Int32	<input checked="" type="checkbox"/>
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### GET InventoryWriteOffs

Gets all Inventory WriteOffs in Optomate Touch.

#### Output

A Collection of Inventory WriteOff records.

## ITEM CATEGORIES

### GET ItemCategories(ID)

Gets a single Item Category based on the specified ID.

#### Output

Item Category record.

Name	Type	Null
ID	Int64	<input checked="" type="checkbox"/>
IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
NAME	String (100)	<input checked="" type="checkbox"/>
IS_CONSULTATION	Boolean	<input checked="" type="checkbox"/>
IS_GST	Boolean	<input checked="" type="checkbox"/>

### GET ItemCategories

Gets all Item Categories in Optomate Touch.

#### OUTPUT

Collection of Item Category records.

## OCCUPATIONS

### GET Occupations(ID)

Gets a single Occupation based on the specified ID.

#### Output

Occupation record.

Name	Type	Null
ID	Int64	<input checked="" type="checkbox"/>
NAME	String (200)	<input checked="" type="checkbox"/>

### GET Occupations

Gets all Occupations in Optomate Touch.

## Output

Collection of Occupation records.

## ONLINE APPOINTMENT TYPES

### GET OnlineAppointmentTypes(ID)

Gets a single Online Appointment Type based on the specified ID.

## Output

Online Appointment Type record.

Name	Type	Null
ID	Int64	<input checked="" type="checkbox"/>
IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
DESCRIPTION	String (200)	<input checked="" type="checkbox"/>
DEFAULT_DURATION	Int32	<input checked="" type="checkbox"/>

### GET OnlineAppointmentTypes

Gets all Online Appointment Types in Optomate Touch.

## Output

Collection of Online Appointment Type records.

## OPTOMETRISTS

### GET Optometrists(ID)

Gets a single active Optometrist based on the specified ID.

## Output

Optometrist record.

Name	Type	Null
ID	Int64	<input checked="" type="checkbox"/>
IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
DATE_ADDED	DateTimeOffset yyyy-MM-ddTHH:mm:ss.fffzzz	<input checked="" type="checkbox"/>
DATE_EDITED	DateTimeOffset yyyy-MM-ddTHH:mm:ss.fffzzz	<input checked="" type="checkbox"/>
BRANCH_IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
GIVEN_NAME	String (100)	<input checked="" type="checkbox"/>
SURNAME	String (200)	<input checked="" type="checkbox"/>
INACTIVE	Boolean	<input checked="" type="checkbox"/>
IS_ADMINISTRATOR	Boolean	<input checked="" type="checkbox"/>
USE_APPBOOK	Boolean	<input checked="" type="checkbox"/>
PROVIDER_NO	String (30)	<input checked="" type="checkbox"/>
IS_ROAMING_USER	Boolean	<input checked="" type="checkbox"/>
APP_SETUPS	Collection (Appointment Setup)	<input checked="" type="checkbox"/>
APP_ADJUSTS	Collection (Appointment Adjustment)	<input checked="" type="checkbox"/>
APP_TYPE_DURATIONS	Collection (Appointment Type Duration)	<input checked="" type="checkbox"/>

## APPOINTMENT SCHEDULE SETUP

Name	Type	Null
ID	Int64	<input type="checkbox"/>
DATE_ADDED	DateTimeOffset <i>yyyy-MM-ddTHH:mm:ss.fffzzz</i>	<input type="checkbox"/>
DATE_EDITED	DateTimeOffset <i>yyyy-MM-ddTHH:mm:ss.fffzzz</i>	<input checked="" type="checkbox"/>
BRANCH_IDENTIFIER	String (20)	<input type="checkbox"/>
DEFAULT_DURATION	Int64	<input type="checkbox"/>
MONSTART	TimeOfDay <i>hh:mm tt</i>	<input checked="" type="checkbox"/>
MONFIN	TimeOfDay <i>hh:mm tt</i>	<input checked="" type="checkbox"/>
TUESTART	TimeOfDay <i>(hh:mm tt)</i>	<input checked="" type="checkbox"/>
TUEFIN	TimeOfDay <i>(hh:mm tt)</i>	<input checked="" type="checkbox"/>
WEDSTART	TimeOfDay <i>(hh:mm tt)</i>	<input checked="" type="checkbox"/>
WEDFIN	TimeOfDay <i>(hh:mm tt)</i>	<input checked="" type="checkbox"/>
THRSTART	TimeOfDay <i>(hh:mm tt)</i>	<input checked="" type="checkbox"/>
THRFIN	TimeOfDay <i>(hh:mm tt)</i>	<input checked="" type="checkbox"/>
FRISTART	TimeOfDay <i>(hh:mm tt)</i>	<input checked="" type="checkbox"/>
FRIFIN	TimeOfDay <i>(hh:mm tt)</i>	<input checked="" type="checkbox"/>
SATSTART	TimeOfDay <i>(hh:mm tt)</i>	<input checked="" type="checkbox"/>
SATFIN	TimeOfDay <i>(hh:mm tt)</i>	<input checked="" type="checkbox"/>
SUNFIN	TimeOfDay <i>(hh:mm tt)</i>	<input checked="" type="checkbox"/>
MONACTIVE	Boolean	<input type="checkbox"/>
TUEACTIVE	Boolean	<input type="checkbox"/>
WEDACTIVE	Boolean	<input type="checkbox"/>
THRACTIVE	Boolean	<input type="checkbox"/>
FRIACTIVE	Boolean	<input type="checkbox"/>
SATACTIVE	Boolean	<input type="checkbox"/>
SUNACTIVE	Boolean	<input type="checkbox"/>
DEFAULT_APP_TYPE	String (3)	<input checked="" type="checkbox"/>

## APPOINTMENT SCHEDULE ADJUSTMENT

Name	Type	Null
ID	Int64	<input type="checkbox"/>
DATE_ADDED	DateTimeOffset <i>(yyyy-MM-ddTHH:mm:ss.fffzzz)</i>	<input type="checkbox"/>
DATE_EDITED	DateTimeOffset <i>(yyyy-MM-ddTHH:mm:ss.fffzzz)</i>	<input checked="" type="checkbox"/>
ADJUST_DATE	DateTimeOffset <i>(yyyy-MM-ddTHH:mm:ss.fffzzz)</i>	<input type="checkbox"/>
BRANCH_IDENTIFIER	String (20)	<input type="checkbox"/>
ADJUST_START	TimeOfDay <i>(hh:mm tt)</i>	<input type="checkbox"/>
ADJUST_FINISH	TimeOfDay <i>(hh:mm tt)</i>	<input type="checkbox"/>
INACTIVE	Boolean	<input type="checkbox"/>

## APPOINTMENT TYPE DURATION

Name	Type	Null
ID	Int64	<input type="checkbox"/>
DEFAULT_DURATION	Int64	<input type="checkbox"/>
BRANCH_IDENTIFIER	String (20)	<input type="checkbox"/>
APPOINTMENT_TYPE_ID	Int32	<input type="checkbox"/>

## GET Optometrists(ID)/Examinations

Gets all related Examinations for an Optometrist based on the specified ID.

## Output

Collection of Examination records.

## GET Optometrists

Gets all Optometrists in Optomate Touch.

## Output

Collection of Optometrist records.

## POST Optometrist(ID)/AppSetup

Creates an Appointment Schedule Setup for an Optometrist based on the specified ID. If the Schedule Setup exists for the supplied BRANCH\_IDENTIFIER then it will be updated.

## Input

Name	Type	Null
APP_SETUP	Record (Appointment Schedule Setup)	<input checked="" type="checkbox"/>

## APPOINTMENT SCHEDULE SETUP

Name	Type : Default	Null
BRANCH_IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
DEFAULT_DURATION	Int64 {0, 5, 10, 15, 20, 30, 60} : 0 (Not set)	<input checked="" type="checkbox"/>
MONSTART	TimeOfDay hh:mm tt : "12:00 AM"	<input checked="" type="checkbox"/>
MONFIN	TimeOfDay hh:mm tt : "12:00 AM"	<input checked="" type="checkbox"/>
TUESTART	TimeOfDay hh:mm tt : "12:00 AM"	<input checked="" type="checkbox"/>
TUEFIN	TimeOfDay hh:mm tt : "12:00 AM"	<input checked="" type="checkbox"/>
WEDSTART	TimeOfDay hh:mm tt : "12:00 AM"	<input checked="" type="checkbox"/>
WEDFIN	TimeOfDay hh:mm tt : "12:00 AM"	<input checked="" type="checkbox"/>
THRSTART	TimeOfDay hh:mm tt : "12:00 AM"	<input checked="" type="checkbox"/>
THRFIN	TimeOfDay hh:mm tt : "12:00 AM"	<input checked="" type="checkbox"/>
FRISTART	TimeOfDay hh:mm tt : "12:00 AM"	<input checked="" type="checkbox"/>
FRIFIN	TimeOfDay hh:mm tt : "12:00 AM"	<input checked="" type="checkbox"/>
SATSTART	TimeOfDay hh:mm tt : "12:00 AM"	<input checked="" type="checkbox"/>
SATFIN	TimeOfDay hh:mm tt : "12:00 AM"	<input checked="" type="checkbox"/>
SUNFIN	TimeOfDay hh:mm tt : "12:00 AM"	<input checked="" type="checkbox"/>
MONACTIVE	Boolean : false	<input checked="" type="checkbox"/>
TUEACTIVE	Boolean : false	<input checked="" type="checkbox"/>
WEDACTIVE	Boolean : false	<input checked="" type="checkbox"/>
THRACTIVE	Boolean : false	<input checked="" type="checkbox"/>
FRIACTIVE	Boolean : false	<input checked="" type="checkbox"/>
SATACTIVE	Boolean : false	<input checked="" type="checkbox"/>
SUNACTIVE	Boolean : false	<input checked="" type="checkbox"/>
DEFAULT_APP_TYPE	String (3) : "" (Not set)	<input checked="" type="checkbox"/>

## POST Optometrist(ID)/AppAdjust

Creates an Appointment Schedule Adjustment for an Optometrist based on the specified ID. If the Schedule Adjustment exists for the supplied ADJUST\_DATE and BRANCH\_IDENTIFIER then it will be updated.

## Input

Name	Type	Null
APP_ADJUST	Record (Appointment Schedule Adjustment)	<input checked="" type="checkbox"/>

## APPOINTMENT SCHEDULE ADJUSTMENT

Name	Type : Default	Null
ADJUST_DATE	Date <i>yyyy-MM-dd</i>	<input checked="" type="checkbox"/>
BRANCH_IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
ADJUST_START	TimeOfDay <i>hh:mm tt</i>	<input checked="" type="checkbox"/>
ADJUST_FINISH	TimeOfDay <i>hh:mm tt</i>	<input checked="" type="checkbox"/>
INACTIVE	Boolean : false	<input checked="" type="checkbox"/>

## Validation

The API will validate the following on Post for AppSetup

Values for all properties that cannot be Null are supplied
Supplied values for BRANCH_IDENTIFIER and DEFAULT_APP_TYPE exist in Optomate Touch
All start and finish time values are in the expected time format
Values are supplied for start and finish times for active days
Start time values have an earlier time than finish times values

The API will validate the following on Post for AppAdjust

Values for all properties that cannot be Null are supplied
The Optometrist is not inactive and is included in the Appointment Book
Supplied values for BRANCH_IDENTIFIER exist in Optomate Touch
ADJUST_START and ADJUST_FINISH are in the expected time format
ADJUST_START is an earlier time than ADJUST_FINISH

## ORDER CANCELLED REASONS

### GET OrderCancelledReasons(ID)

Gets a single active Order Cancelled Reason based on the specified ID.

## Output

Order Cancelled Reason record.

Name	Type	Null
ID	Int64	<input checked="" type="checkbox"/>
REASON	String (100)	<input checked="" type="checkbox"/>

### GET OrderCancelledReasons

Gets all active Order Cancelled Reasons in Optomate Touch.

## Output

Collection of Order Cancelled Reason records

### OTHER ITEMS

#### GET OtherItems(ID)

Gets a single Other Item based on the specified ID.

## Output

Other Item record.

Name	Type	Null
ID	Int64	<input checked="" type="checkbox"/>
DATE_ADDED	DateTimeOffset <i>yyyy-MM-ddTHH:mm:ss.fffzzz</i>	<input checked="" type="checkbox"/>
USER_ADDED	String (20)	<input checked="" type="checkbox"/>
DATE_EDITED	DateTimeOffset <i>yyyy-MM-ddTHH:mm:ss.fffzzz</i>	<input checked="" type="checkbox"/>
USER_EDITED	String (20)	<input checked="" type="checkbox"/>
BARCODE	String (20)	<input checked="" type="checkbox"/>
HEALTH_FUND	String (5)	<input checked="" type="checkbox"/>
DESCRIPTION	String (100)	<input checked="" type="checkbox"/>
SUPPLIER_STOCK_CODE	String (50)	<input checked="" type="checkbox"/>
IS_GST	Boolean	<input checked="" type="checkbox"/>
CATEGORY_IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
SUPPLIER_IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
INSTITUTION_IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
IS_VTE	Boolean	<input checked="" type="checkbox"/>
EYETALK_PERMID	String (20)	<input checked="" type="checkbox"/>
EYETALK_BOOKCODE	String (20)	<input checked="" type="checkbox"/>
NOTES	String (4000)	<input checked="" type="checkbox"/>
IS_GIFT_VOUCHER	Boolean	<input checked="" type="checkbox"/>
WEB_ADDRESS	String (4000)	<input checked="" type="checkbox"/>
BRANCH_INFOS	Collection (Other Item Branch)	<input checked="" type="checkbox"/>

### OTHER ITEM BRANCH

Name	Type	Null
ID	Int64	<input checked="" type="checkbox"/>
BRANCH_IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
COSTINC	Decimal	<input checked="" type="checkbox"/>
COSTEX	Decimal	<input checked="" type="checkbox"/>
SELLINC	Decimal	<input checked="" type="checkbox"/>
MEMBER_SELLINC	Decimal	<input checked="" type="checkbox"/>
LISTPRICEEX	Decimal	<input checked="" type="checkbox"/>
RRPINC	Decimal	<input checked="" type="checkbox"/>
QOH	Int64	<input checked="" type="checkbox"/>
REORDER_LEVEL	Int64	<input checked="" type="checkbox"/>
REORDER_QUANTITY	Int64	<input checked="" type="checkbox"/>
CONSIGNMENT	Boolean	<input checked="" type="checkbox"/>
INVENTORY	Boolean	<input checked="" type="checkbox"/>
INACTIVE	Boolean	<input checked="" type="checkbox"/>
FAVOURITE	Boolean	<input checked="" type="checkbox"/>

## GET OtherItem

Gets all Other Items from Optomate Touch.

### Output

A Collection of Other Item records.

## POST OtherItem

Creates an Other Item in Optomate Touch. The supplied values for BRANCH\_INFO\_INPUT will be used to create the related data for each Branch.

### Input

Name	Type : Default	Null
BARCODE	String (20)	<input checked="" type="checkbox"/>
HEALTH_FUND	String (5)	<input checked="" type="checkbox"/>
DESCRIPTION	String (100)	<input checked="" type="checkbox"/>
SUPPLIER_STOCK_CODE	String (50)	<input checked="" type="checkbox"/>
IS_GST	Boolean : false	<input checked="" type="checkbox"/>
CATEGORY_IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
SUPPLIER_IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
INSTITUTION_IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
IS_VTE	Boolean	<input checked="" type="checkbox"/>
EYETALK_PERMID	String (20)	<input checked="" type="checkbox"/>
EYETALK_BOOKCODE	String (20)	<input checked="" type="checkbox"/>
NOTES	String (4000)	<input checked="" type="checkbox"/>
IS_GIFT_VOUCHER	Boolean	<input checked="" type="checkbox"/>
WEB_ADDRESS	String (4000)	<input checked="" type="checkbox"/>
BRANCH_INFO	Other Item Branch	<input checked="" type="checkbox"/>

## OTHER ITEM BRANCH

Name	Type : Default	Null
COSTINC	Decimal : 0	<input checked="" type="checkbox"/>
COSTEX	Decimal : 0	<input checked="" type="checkbox"/>
SELLINC	Decimal : 0	<input checked="" type="checkbox"/>
LISTPRICEEX	Decimal : 0	<input checked="" type="checkbox"/>
RRPINC	Decimal : 0	<input checked="" type="checkbox"/>
QOH	Int64 : 0	<input checked="" type="checkbox"/>
REORDER_LEVEL	Int64 : 0	<input checked="" type="checkbox"/>
REORDER_QUANTITY	Int64 : 0	<input checked="" type="checkbox"/>
CONSIGNMENT	Boolean : false	<input checked="" type="checkbox"/>
INVENTORY	Boolean : false	<input checked="" type="checkbox"/>
INACTIVE	Boolean : false	<input checked="" type="checkbox"/>
FAVOURITE	Boolean : false	<input checked="" type="checkbox"/>

## PUT OtherItem(ID)

Updates an Other Item in Optomate Touch based on the specified ID. The supplied values for BRANCH\_INFO will update the related data for each Branch. If BRANCH\_IDENTIFIER is specified, then only that Branch related data will be updated.

## Input

Name	Type : Default	Null
HEALTH_FUND	String (5)	<input checked="" type="checkbox"/>
DESCRIPTION	String (100)	<input checked="" type="checkbox"/>
SUPPLIER_STOCK_CODE	String (50)	<input checked="" type="checkbox"/>
IS_GIFT_VOUCHER	Boolean : false	<input checked="" type="checkbox"/>
IS_GST	Boolean : false	<input checked="" type="checkbox"/>
IS_VTE	Boolean : false	<input checked="" type="checkbox"/>
CATEGORY_IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
SUPPLIER_IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
INSTITUTION_IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
EYETALK_PERMID	String (20)	<input checked="" type="checkbox"/>
EYETALK_BOOKCODE	String (20)	<input checked="" type="checkbox"/>
NOTES	String (4000)	<input checked="" type="checkbox"/>
BRANCH_INFO	Other Item Branch	<input checked="" type="checkbox"/>

## OTHER ITEM BRANCH

Name	Type : Default	Null
BRANCH_IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
COSTINC	Decimal : 0	<input checked="" type="checkbox"/>
COSTEX	Decimal : 0	<input checked="" type="checkbox"/>
SELLINC	Decimal : 0	<input checked="" type="checkbox"/>
LISTPRICEEX	Decimal : 0	<input checked="" type="checkbox"/>
RRPINC	Decimal : 0	<input checked="" type="checkbox"/>
QOH	Int64 : 0	<input checked="" type="checkbox"/>
CONSIGNMENT	Boolean : false	<input checked="" type="checkbox"/>
INVENTORY	Boolean : false	<input checked="" type="checkbox"/>
INACTIVE	Boolean : false	<input checked="" type="checkbox"/>
FAVOURITE	Boolean : false	<input checked="" type="checkbox"/>

## PATCH OtherItem(ID)

Same as Put except only the updated properties need to be supplied.

### Validation

The API will validate the following on Post, Put or Patch

Values for all properties that cannot be Null are supplied
Supplied value for BARCODE is a unique value that does not already exist in Optomate Touch for any stock item
Supplied values for CATEGORY_IDENTIFIER, SUPPLIER_IDENTIFIER, INSTITUTION_IDENTIFIER and BRANCH_INFO.BRANCH_IDENTIFIER exist in Optomate Touch

## PATIENT CATEGORY LINKS

### GET PatientCategoryLinks(PATIENT\_ID)

Gets a Collection of Patient Category Links based on the specified Patient ID.

### Output

Collection of Patient Category Link records.

Name	Type	Null
ID	Int64	<input type="checkbox"/>
DATE_ADDED	DateTimeOffset yyyy-MM-ddTHH:mm:ss.fffzzz	<input type="checkbox"/>
USER_ADDED	String (20)	<input type="checkbox"/>
DATE_EDITED	DateTimeOffset yyyy-MM-ddTHH:mm:ss.fffzzz	<input checked="" type="checkbox"/>
USER_EDITED	String (20)	<input checked="" type="checkbox"/>
PATIENT_ID	Int64	<input type="checkbox"/>
PATIENT_CATEGORY_ID	Int64	<input type="checkbox"/>

### GET PatientCategoryLinks

Gets all Patient Category Links in Optomate Touch.

#### Output

A Collection of Patient Category Links records.

### POST PatientCategoryLink

Creates a Patient Category Link in Optomate Touch.

#### Input

Name	Type	Null
PATIENT_ID	Int64	<input type="checkbox"/>
PATIENT_CATEGORY_ID	Int64	<input type="checkbox"/>

### PUT PatientCategoryLink(ID)

Updates a Patient Category Link in Optomate Touch based on the specified ID. Input same as Post.

### PATCH PatientCategoryLink (ID)

Same as Put except only the updated properties need to be supplied.

#### Validation

Values for all properties that cannot be Null are supplied

Supplied values for PATIENT\_ID and PATIENT\_CATEGORY\_ID exist in Optomate Touch

PATIENT\_CATEGORY\_ID is not already associated with the PATIENT\_ID

## PATIENT CATEGORIES

### GET PatientCategories(ID)

Gets a single Patient Category based on the specified ID.

#### Output

Patient Category record.

Name	Type	Null
ID	Int64	<input type="checkbox"/>
IDENTIFIER	String (20)	<input type="checkbox"/>
NAME	String (4000)	<input type="checkbox"/>

### GET PatientCategories

Gets all PatientCategories in Optomate Touch.

#### OUTPUT

Collection of Patient Category records.

### PATIENT INTERESTS

#### GET PatientInterests(PATIENT\_ID)

Gets a Collection of Patient Interests based on the specified Patient ID.

#### Output

Collection of Patient Interest records.

Name	Type	Null
ID	Int64	<input type="checkbox"/>
DATE_ADDED	DateTimeOffset yyyy-MM-ddTHH:mm:ss.fffzzz	<input type="checkbox"/>
USER_ADDED	String (20)	<input type="checkbox"/>
DATE_EDITED	DateTimeOffset yyyy-MM-ddTHH:mm:ss.fffzzz	<input checked="" type="checkbox"/>
USER_EDITED	String (20)	<input checked="" type="checkbox"/>
PATIENT_ID	Int64	<input type="checkbox"/>
INTEREST_NAME	String (200)	<input type="checkbox"/>

#### GET PatientInterests

Gets all Patient Interests in Optomate Touch.

#### Output

A Collection of Patient Interests records.

#### POST PatientInterest

Creates a Patient Interest in Optomate Touch.

#### Input

Name	Type	Null
PATIENT_ID	Int64	<input type="checkbox"/>
INTEREST_NAME	String (200)	<input type="checkbox"/>

#### Validation

The API will validate the following on Post

Values for all properties that cannot be Null are supplied

Supplied values for PATIENT\_ID and INTEREST\_NAME exist in Optomate Touch

INTEREST\_NAME is not already associated with the Patient

## PATIENT INVOICES

The API will include only those Invoices that are of type Cash Sale, Invoice, Return or Cash Sale Return.

### GET PatientInvoices(ID)

Gets a single Patient Invoice based on the specified ID.

#### Output

Patient Invoice record.

Name	Type	Null
ID	Int64	<input checked="" type="checkbox"/>
DATE_ADDED	DateTimeOffset <i>yyyy-MM-ddTHH:mm:ss.fffzzz</i>	<input checked="" type="checkbox"/>
USER_ADDED	String (20)	<input checked="" type="checkbox"/>
DATE_EDITED	DateTimeOffset <i>yyyy-MM-ddTHH:mm:ss.fffzzz</i>	<input checked="" type="checkbox"/>
USER_EDITED	String (20)	<input checked="" type="checkbox"/>
TYPE	Int32	<input checked="" type="checkbox"/>
SALE_DATE	DateTimeOffset <i>yyyy-MM-ddTHH:mm:ss.zzz</i>	<input checked="" type="checkbox"/>
NET_TOTAL	Decimal	<input checked="" type="checkbox"/>
SALES_TAX	Decimal	<input checked="" type="checkbox"/>
DISCOUNT	Decimal	<input checked="" type="checkbox"/>
DISCOUNT_ID	Int64	<input checked="" type="checkbox"/>
DISCOUNT_REASON	String (100)	<input checked="" type="checkbox"/>
SUB_TOTAL	Decimal	<input checked="" type="checkbox"/>
TOTAL	Decimal	<input checked="" type="checkbox"/>
CONS_CHARGED	Decimal	<input checked="" type="checkbox"/>
CONS_PAID	Decimal	<input checked="" type="checkbox"/>
STOCK_CHARGED	Decimal	<input checked="" type="checkbox"/>
STOCK_PAID	Decimal	<input checked="" type="checkbox"/>
COMMENT	String (100)	<input checked="" type="checkbox"/>
ORDER_ID	Int64	<input checked="" type="checkbox"/>
ORDER_TYPE	Int64	<input checked="" type="checkbox"/>
GST_RATE	Double	<input checked="" type="checkbox"/>
PATIENT_ID	Int64	<input checked="" type="checkbox"/>
BRANCH_IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
OPTOMETRIST_ID	Int64	<input checked="" type="checkbox"/>
EXPORTED	Boolean	<input checked="" type="checkbox"/>
ORIG_EXAM_DATE	DateTimeOffset <i>yyyy-MM-ddTHH:mm:ss.zzz</i>	<input checked="" type="checkbox"/>
ITEMS	Collection (Patient Invoice Item)	<input checked="" type="checkbox"/>

### PATIENT INVOICE ITEM

Name	Type	Null
ID	Int64	<input checked="" type="checkbox"/>
STOCK_TYPE_ID	Int32	<input checked="" type="checkbox"/>
SUPPLIER_ID	Int64	<input checked="" type="checkbox"/>
COSTEX	Int32	<input checked="" type="checkbox"/>
COSTINC	Int32	<input checked="" type="checkbox"/>

QTY	Int32	<input type="checkbox"/>
UNIT_PRICE	Decimal	<input type="checkbox"/>
DISCOUNT_PERCENT	Double	<input type="checkbox"/>
DISCOUNT_AMOUNT	Decimal	<input type="checkbox"/>
TOTAL	Decimal	<input type="checkbox"/>
IS_GST	Boolean	<input type="checkbox"/>
GST_AMOUNT	Decimal	<input type="checkbox"/>
CHARGE_TO	String (20)	<input checked="" type="checkbox"/>
REBATE	Decimal	<input type="checkbox"/>

### GET PatientInvoices

Gets all Patient Invoices in Optomate Touch.

#### Output

A Collection of Patient Invoices records.

### PUT PatientInvoice(ID)

Updates a Patient Invoice in Optomate Touch based on the specified ID.

#### Input

Name	Type	Null
EXPORTED	Boolean	<input type="checkbox"/>

## PATIENT NOTES

### GET PatientNotes(PATIENT\_ID)

Gets a Collection of Patient Notes based on the specified Patient ID.

#### Output

Collection of Patient Note records.

Name	Type	Null
ID	Int64	<input type="checkbox"/>
DATE_ADDED	DateTimeOffset <i>yyyy-MM-ddTHH:mm:ss.fffzzz</i>	<input type="checkbox"/>
USER_ADDED	String (20)	<input type="checkbox"/>
DATE_EDITED	DateTimeOffset <i>yyyy-MM-ddTHH:mm:ss.fffzzz</i>	<input checked="" type="checkbox"/>
USER_EDITED	String (20)	<input checked="" type="checkbox"/>
PATIENT_ID	Int64	<input type="checkbox"/>
BRANCH_IDENTIFIER	String (20)	<input type="checkbox"/>
NOTE_DATE	Date <i>yyyy-MM-dd</i>	<input type="checkbox"/>
DESCRIPTION	String (4000)	<input checked="" type="checkbox"/>
NOTE	String (4000)	<input checked="" type="checkbox"/>

### GET PatientNotes

Gets all Patient Notes in Optomate Touch.

## Output

A Collection of Patient Notes records.

### POST PatientNote

Creates a Patient Note in Optomate Touch.

## Input

Name	Type : Default	Null
PATIENT_ID	Int64	<input type="checkbox"/>
BRANCH_IDENTIFIER	String (20)	<input type="checkbox"/>
NOTE_DATE	Date : Today <i>yyyy-MM-dd</i>	<input checked="" type="checkbox"/>
DESCRIPTION	String (4000)	<input checked="" type="checkbox"/>
NOTE	String (4000)	<input checked="" type="checkbox"/>

## Validation

The API will validate the following on Post

Values for all properties that cannot be Null are supplied

Supplied values for PATIENT\_ID and BRANCH\_IDENTIFIER exist in Optomate Touch

NOTE\_DATE is not a future date

## PATIENT RECALLS

The API will include only those Patient Recalls that:

- have not been previously sent
- are linked to an active patient that does not have a future appointment
- that satisfy the Read Conditions, see Security->Authorization->Read Conditions

### GET PatientRecalls(ID)

Gets a single Patient Recall based on the specified ID.

## Output

Patient Recall record.

Name	Type	Null
ID	Int64	<input type="checkbox"/>
DATE_ADDED	DateTimeOffset <i>yyyy-MM-ddTHH:mm:ss.fffzzz</i>	<input type="checkbox"/>
USER_ADDED	String (20)	<input type="checkbox"/>
DATE_EDITED	DateTimeOffset <i>yyyy-MM-ddTHH:mm:ss.fffzzz</i>	<input checked="" type="checkbox"/>
USER_EDITED	String (20)	<input checked="" type="checkbox"/>
DATE_DUE	DateTimeOffset <i>yyyy-MM-ddTHH:mm:ss.zzz</i>	<input checked="" type="checkbox"/>
PATIENT_ID	Int64	<input type="checkbox"/>
RECALL_TYPE	String (10)	<input type="checkbox"/>
SUB_RECALL_ID	Int64	<input checked="" type="checkbox"/>
RECALL_COMMENT	String (50)	<input checked="" type="checkbox"/>
IDENTIFIER	String (20)	<input type="checkbox"/>
DESCRIPTION	String (200)	<input type="checkbox"/>
NO_MONTHS	Int32	<input type="checkbox"/>

EMAIL_SUBJECT	String (200)	<input checked="" type="checkbox"/>
BRANCH_IDENTIFIER	String (20)	<input checked="" type="checkbox"/>

### GET PatientRecalls?dateRun=<val>

Gets all Patient Recalls in Optomate Touch that have a DATE\_DUE that's on or before the supplied dateRun

#### Query Parameters

Name	Type : Default	Null
dateRun	Date <i>yyyy-MM-dd</i> : <Current Day>	<input checked="" type="checkbox"/>

#### Output

A Collection of Patient Recall records.

### GET PatientRecalls/Sent

Gets all Patient Recalls that have been sent out.

#### Output

A Collection of Sent Recall records.

Name	Type	Null
ID	Int64	<input checked="" type="checkbox"/>
DATE_ADDED	DateTimeOffset <i>yyyy-MM-ddTHH:mm:ss.fffzzz</i>	<input checked="" type="checkbox"/>
USER_ADDED	String (20)	<input checked="" type="checkbox"/>
DATE_EDITED	DateTimeOffset <i>yyyy-MM-ddTHH:mm:ss.fffzzz</i>	<input checked="" type="checkbox"/>
USER_EDITED	String (20)	<input checked="" type="checkbox"/>
DATE_SENT	DateTimeOffset <i>yyyy-MM-ddTHH:mm:ss.zzz</i>	<input checked="" type="checkbox"/>
SENT_VIA	String (20)	<input checked="" type="checkbox"/>
DATE_RUN	DateTimeOffset <i>yyyy-MM-ddTHH:mm:ss.zzz</i>	<input checked="" type="checkbox"/>
PATIENT_ID	Int64	<input checked="" type="checkbox"/>
RECALL_TYPE	String (10)	<input checked="" type="checkbox"/>
SUB_RECALL_ID	Int64	<input checked="" type="checkbox"/>
RECALL_COMMENT	String (50)	<input checked="" type="checkbox"/>
IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
DESCRIPTION	String (200)	<input checked="" type="checkbox"/>
NO_MONTHS	Int32	<input checked="" type="checkbox"/>
BRANCH_IDENTIFIER	String (20)	<input checked="" type="checkbox"/>

### PUT PatientRecall(ID)

Updates a Patient Recall in Optomate Touch based on the specified ID.

#### Input

Name	Type	Null
DATE_SENT	Date <i>yyyy-MM-dd</i>	<input checked="" type="checkbox"/>
SENT_VIA	String (20)	<input checked="" type="checkbox"/>
DATE_RUN	Date <i>yyyy-MM-dd</i>	<input checked="" type="checkbox"/>

## POST PatientRecallsBatch

Updates a batch of Patient Recalls in Optomate Touch. The batch will not be processed partially, i.e. it will either fully succeed or fail showing the number of failed records.

### Input

Name	Type	Null
PATIENT_RECALLS	Collection (Patient Recall Input)	<input checked="" type="checkbox"/>

### PATIENT RECALL INPUT

Name	Type	Null
ID	Int64	<input checked="" type="checkbox"/>
DATE_SENT	Date <i>yyyy-MM-dd</i>	<input checked="" type="checkbox"/>
SENT_VIA	String (20)	<input checked="" type="checkbox"/>
DATE_RUN	Date <i>yyyy-MM-dd</i>	<input checked="" type="checkbox"/>

### Output

#### Batch Result

Name	Type	Null
SUCCESS	Boolean	<input checked="" type="checkbox"/>
FAILED	Int32	<input checked="" type="checkbox"/>
ERRORS	Collection (Custom Errors {ID, Code, Message})	<input checked="" type="checkbox"/>

### Validation

The API will validate the following on Post or Put

Values for all properties that cannot be Null are supplied
Supplied ID exists in Optomate Touch
Supplied values for SENT_VIA (Contact Methods) are valid Static Reference Data values
Recall has not been sent before
Recall has a DATE_DUE
DATE_RUN must be greater or equal to recall DATE_DUE

## PATIENT RECEIPTS

### GET PatientReceipts(ID)

Gets a single Patient Receipt based on the specified ID.

### Output

Patient Receipt record.

Name	Type	Null
ID	Int64	<input checked="" type="checkbox"/>
DATE_ADDED	DateTimeOffset <i>yyyy-MM-ddTHH:mm:ss.fffzzz</i>	<input checked="" type="checkbox"/>
DATE_EDITED	DateTimeOffset <i>yyyy-MM-ddTHH:mm:ss.fffzzz</i>	<input checked="" type="checkbox"/>
PAID	Decimal	<input checked="" type="checkbox"/>

TYPE_ID	Int64 { <i>ReceiptTypes</i> }	<input type="checkbox"/>
DUE	Decimal	<input type="checkbox"/>
PATIENT_ID	Int64	<input type="checkbox"/>
RECEIPT_DATE	DateTimeOffset <i>yyyy-MM-ddTHH:mm:ss.zzz</i>	<input type="checkbox"/>
REFERENCE	String (30)	<input checked="" type="checkbox"/>
USER_ID	Int64	<input type="checkbox"/>
BRANCH_IDENTIFIER	String (20)	<input type="checkbox"/>
RECEIPT_ITEMS	Collection (Receipt Item)	<input type="checkbox"/>
INVOICE_RECEIPTS	Collection (Invoice Receipt)	<input type="checkbox"/>

## RECEIPT ITEM

Name	Type	Null
ID	Int64	<input type="checkbox"/>
PAYMENT_TYPE_CODE	String (3) { <i>PaymentTypes</i> }	<input type="checkbox"/>
AMOUNT	Decimal	<input type="checkbox"/>
CASHOUT	Decimal	<input type="checkbox"/>
VOUCHER_TYPE_ID	Int64 { <i>VoucherTypes</i> }	<input checked="" type="checkbox"/>

## INVOICE RECEIPT

Name	Type	Null
ID	Int64	<input type="checkbox"/>
INVOICE_DATE	DateTimeOffset <i>yyyy-MM-ddTHH:mm:ss.zzz</i>	<input type="checkbox"/>
INVOICE_ID	Int64	<input type="checkbox"/>
CONS_DUE	Decimal	<input type="checkbox"/>
CONS_PAID	Decimal	<input type="checkbox"/>
STOCK_DUE	Decimal	<input type="checkbox"/>
STOCK_PAID	Decimal	<input type="checkbox"/>

## GET PatientReceipts

Gets all Patient Receipts in Optomate Touch.

### Output

Collection of Patient Receipt records

## PATIENTS

Has Read Conditions, see Security->Authorization->Read Conditions.

## GET Patients(ID)

Gets a single Patient based on the specified ID.

### Output

Patient record.

Name	Type	Null
ID	Int64	<input type="checkbox"/>
DATE_ADDED	DateTimeOffset <i>yyyy-MM-ddTHH:mm:ss.fffzzz</i>	<input type="checkbox"/>
USER_ADDED	String (20)	<input type="checkbox"/>
DATE_EDITED	DateTimeOffset <i>yyyy-MM-ddTHH:mm:ss.fffzzz</i>	<input checked="" type="checkbox"/>

USER_EDITED	String (20)	<input checked="" type="checkbox"/>
REFERENCE	String (40)	<input checked="" type="checkbox"/>
TITLE	String (50)	<input checked="" type="checkbox"/>
GIVEN	String (50)	<input checked="" type="checkbox"/>
MIDDLE	String (50)	<input checked="" type="checkbox"/>
SURNAME	String (50)	<input type="checkbox"/>
SALUTATION	String (50)	<input checked="" type="checkbox"/>
NICKNAME	String (50)	<input checked="" type="checkbox"/>
BIRTHDATE	DateTimeOffset <i>yyyy-MM-ddTHH:mm:ss.zzz</i>	<input checked="" type="checkbox"/>
GENDER	String (1)	<input checked="" type="checkbox"/>
CHARGE_TO_NAME	String (200)	<input checked="" type="checkbox"/>
CHARGE_TO_SALUTATION	String (100)	<input checked="" type="checkbox"/>
CHARGE_TO_ADDRESS	String (200)	<input checked="" type="checkbox"/>
CHARGE_TO_SUBURB	String (50)	<input checked="" type="checkbox"/>
CHARGE_TO_STATE	String (100)	<input checked="" type="checkbox"/>
CHARGE_TO_POSTCODE	String (10)	<input checked="" type="checkbox"/>
HEARAID_GUID	String (36)	<input checked="" type="checkbox"/>
RESIDENT_ADDRESS	String (200)	<input checked="" type="checkbox"/>
RESIDENT_SUBURB	String (50)	<input checked="" type="checkbox"/>
RESIDENT_STATE	String (100)	<input checked="" type="checkbox"/>
RESIDENT_POSTCODE	String (10)	<input checked="" type="checkbox"/>
POSTAL_ADDRESS	String (200)	<input checked="" type="checkbox"/>
POSTAL_SUBURB	String (50)	<input checked="" type="checkbox"/>
POSTAL_STATE	String (100)	<input checked="" type="checkbox"/>
POSTAL_POSTCODE	String (10)	<input checked="" type="checkbox"/>
HOME_PHONE	String (25)	<input checked="" type="checkbox"/>
MOBILE_PHONE	String (25)	<input checked="" type="checkbox"/>
OFFICE_PHONE	String (25)	<input checked="" type="checkbox"/>
EMAIL	String (100)	<input checked="" type="checkbox"/>
LAST_INITIAL	DateTimeOffset <i>yyyy-MM-ddTHH:mm:ss.zzz</i>	<input checked="" type="checkbox"/>
LAST_CONSULTATION	DateTimeOffset <i>yyyy-MM-ddTHH:mm:ss.zzz</i>	<input checked="" type="checkbox"/>
LAST_VISIT	DateTimeOffset <i>yyyy-MM-ddTHH:mm:ss.zzz</i>	<input checked="" type="checkbox"/>
OPTOMETRIST_ID	Int64	<input type="checkbox"/>
BRANCH_IDENTIFIER	String (20)	<input type="checkbox"/>
HEALTHFUND_IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
MEMBER_NUMBER	String (50)	<input checked="" type="checkbox"/>
HEALTHFUND_REFNO	Double	<input checked="" type="checkbox"/>
NO_HEALTHFUND	Boolean	<input checked="" type="checkbox"/>
MEDICARE_NUMBER	String (12)	<input checked="" type="checkbox"/>
MEDICARE_REFNO	Double	<input checked="" type="checkbox"/>
MEDICARE_EXPIRY	String (5)	<input checked="" type="checkbox"/>
DVA_NUMBER	String (15)	<input checked="" type="checkbox"/>
DVA_DETAILS	String (20)	<input checked="" type="checkbox"/>
INACTIVE	Boolean	<input type="checkbox"/>
PREF_RECALLINT	String (20)	<input type="checkbox"/>
PREF_RECALLSUB	String (20)	<input type="checkbox"/>
PREF_ORDERCOLL	String (20)	<input type="checkbox"/>
PREF_APPOINTMENTS	String (20)	<input type="checkbox"/>
PREF_MARKETING	String (20)	<input type="checkbox"/>
PREF_TELEPHONE	String (20)	<input type="checkbox"/>
IS_BADADDRESS	Boolean	<input checked="" type="checkbox"/>
IS_BADEMAIL	Boolean	<input checked="" type="checkbox"/>
IS_BADPHONE	Boolean	<input checked="" type="checkbox"/>
NOEMAIL	Boolean	<input checked="" type="checkbox"/>
GENERAL_NOTES	String (4000)	<input checked="" type="checkbox"/>
MAIN_CONTACT	Boolean	<input checked="" type="checkbox"/>
SOURCE	String (200)	<input checked="" type="checkbox"/>

PATIENT_SINCE	DateTimeOffset <i>yyyy-MM-ddTHH:mm:ss.zzz</i>	<input checked="" type="checkbox"/>
SPECIAL_NOTE	String (4000)	<input checked="" type="checkbox"/>
APPOINTMENT_NOTE	String (100)	<input checked="" type="checkbox"/>
NOMOBILE	Boolean	<input checked="" type="checkbox"/>
OCCUPATION	String (4000)	<input checked="" type="checkbox"/>
GROUP_NUMBER	Int64	<input checked="" type="checkbox"/>
NATIONALITY	String (200)	<input checked="" type="checkbox"/>
GP	String (200)	<input checked="" type="checkbox"/>
REFERRER_FROM	String (200)	<input checked="" type="checkbox"/>
REFERRER_TO	String (200)	<input checked="" type="checkbox"/>
IS ADVISED OF PRIVACY POLICY	Boolean	<input checked="" type="checkbox"/>
ADVISED_OF_PRIVACY_POLICY_USER	String (20)	<input checked="" type="checkbox"/>
ADVISED_OF_PRIVACY_POLICY_DATETIME	DateTimeOffset <i>yyyy-MM-ddTHH:mm:ss.zzz</i>	<input checked="" type="checkbox"/>
LAST_KEEPSIGHT_SENT_DATE	DateTimeOffset <i>yyyy-MM-ddTHH:mm:ss.zzz</i>	<input checked="" type="checkbox"/>

## GET Patients

Gets all Patients in Optomate Touch.

### Output

A Collection of Patient records.

## POST Patients/SensitiveSearch

Gets all Patients in Optomate Touch based on a supplied search criteria. Same as GET Patients but allows filter values deemed as sensitive to be passed in the body. It uses the Monkey Software custom search definition to perform the data search. Query option \$select is not allowed.



See Appendices for more information on the Monkey Software custom search and examples.

### Input

Name	Type	Null
Search	Record (Search Parameter)	<input checked="" type="checkbox"/>

### Searchable Properties

Name	Type	Null
GIVEN	String (50)	<input checked="" type="checkbox"/>
SURNAME	String (50)	<input checked="" type="checkbox"/>
NICKNAME	String (50)	<input checked="" type="checkbox"/>
BIRTHDATE	Date <i>yyyy-MM-dd</i>	<input checked="" type="checkbox"/>
MOBILE_PHONE	String (25)	<input checked="" type="checkbox"/>
EMAIL	String (100)	<input checked="" type="checkbox"/>
MEMBER_NUMBER	String (50)	<input checked="" type="checkbox"/>
HEALTHFUND_IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
HEALTHFUND_REFNO	Double	<input checked="" type="checkbox"/>
MEDICARE_NUMBER	String (12)	<input checked="" type="checkbox"/>
MEDICARE_REFNO	Double	<input checked="" type="checkbox"/>
DVA_NUMBER	String (15)	<input checked="" type="checkbox"/>

SOURCE	String (200)	<input checked="" type="checkbox"/>
REFERENCE	String (40)	<input checked="" type="checkbox"/>

## Output

A Collection of Patient records.

### POST Patient

Creates a Patient in Optomate Touch.

## Input

Name	Type : default	Null
REFERENCE	String (40)	<input checked="" type="checkbox"/>
TITLE	String (50)	<input checked="" type="checkbox"/>
GIVEN	String (50)	<input checked="" type="checkbox"/>
MIDDLE	String (50)	<input checked="" type="checkbox"/>
SURNAME	String (50)	<input type="checkbox"/>
SALUTATION	String (50)	<input checked="" type="checkbox"/>
NICKNAME	String (50)	<input checked="" type="checkbox"/>
BIRTHDATE	Date <i>yyyy-MM-dd</i>	<input checked="" type="checkbox"/>
GENDER	String (1)	<input checked="" type="checkbox"/>
CHARGE_TO_NAME	String (200)	<input checked="" type="checkbox"/>
CHARGE_TO_SALUTATION	String (100)	<input checked="" type="checkbox"/>
CHARGE_TO_ADDRESS	String (200)	<input checked="" type="checkbox"/>
CHARGE_TO_SUBURB	String (50)	<input checked="" type="checkbox"/>
CHARGE_TO_STATE	String (100)	<input checked="" type="checkbox"/>
CHARGE_TO_POSTCODE	String (10)	<input checked="" type="checkbox"/>
HEAR Aid_GUID	String (36)	<input checked="" type="checkbox"/>
RESIDENT_ADDRESS	String (200)	<input checked="" type="checkbox"/>
RESIDENT_SUBURB	String (50)	<input checked="" type="checkbox"/>
RESIDENT_STATE	String (100)	<input checked="" type="checkbox"/>
RESIDENT_POSTCODE	String (10)	<input checked="" type="checkbox"/>
POSTAL_ADDRESS	String (200)	<input checked="" type="checkbox"/>
POSTAL_SUBURB	String (50)	<input checked="" type="checkbox"/>
POSTAL_STATE	String (100)	<input checked="" type="checkbox"/>
POSTAL_POSTCODE	String (10)	<input checked="" type="checkbox"/>
HOME_PHONE	String (15)	<input checked="" type="checkbox"/>
MOBILE_PHONE	String (12)	<input checked="" type="checkbox"/>
OFFICE_PHONE	String (15)	<input checked="" type="checkbox"/>
EMAIL	String (100)	<input checked="" type="checkbox"/>
OPTOMETRIST_ID	Int64	<input type="checkbox"/>
BRANCH_IDENTIFIER	String (20)	<input type="checkbox"/>
HEALTHFUND_IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
MEMBER_NUMBER	String (50)	<input checked="" type="checkbox"/>
HEALTHFUND_REFNO	Double	<input checked="" type="checkbox"/>
NO_HEALTHFUND	Boolean	<input checked="" type="checkbox"/>
MEDICARE_NUMBER	String (12)	<input checked="" type="checkbox"/>
MEDICARE_REFNO	Double	<input checked="" type="checkbox"/>
MEDICARE_EXPIRY	Date <i>MM/yy</i>	<input checked="" type="checkbox"/>
DVA_NUMBER	String (15)	<input checked="" type="checkbox"/>
DVA_DETAILS	String (20)	<input checked="" type="checkbox"/>
INACTIVE	Boolean : false	<input checked="" type="checkbox"/>
PREF_RECALLINT	String (20)	<input checked="" type="checkbox"/>
PREF_RECALLSUB	String (20)	<input checked="" type="checkbox"/>

PREF_ORDERCOLL	String (20)	<input checked="" type="checkbox"/>
PREF_APPOINTMENTS	String (20)	<input checked="" type="checkbox"/>
PREF_MARKETING	String (20)	<input checked="" type="checkbox"/>
PREF_TELEPHONE	String (20)	<input checked="" type="checkbox"/>
IS_BADADDRESS	Boolean	<input checked="" type="checkbox"/>
IS_BADEMAIL	Boolean	<input checked="" type="checkbox"/>
IS_BADPHONE	Boolean	<input checked="" type="checkbox"/>
NOEMAIL	Boolean	<input checked="" type="checkbox"/>
GENERAL_NOTES	String (4000)	<input checked="" type="checkbox"/>
MAIN_CONTACT	Boolean	<input checked="" type="checkbox"/>
SOURCE	String (200)	<input checked="" type="checkbox"/>
SPECIAL_NOTE	String (4000)	<input checked="" type="checkbox"/>
APPOINTMENT_NOTE	String (100)	<input checked="" type="checkbox"/>
NOMOBILE	Boolean	<input checked="" type="checkbox"/>
OCCUPATION	String (4000)	<input checked="" type="checkbox"/>
IS_ADVISED_OF_PRIVACY_POLICY	Boolean	<input checked="" type="checkbox"/>
ADVISED_OF_PRIVACY_POLICY_USER	String (20)	<input checked="" type="checkbox"/>
ADVISED_OF_PRIVACY_POLICY_DATETIME	Date <i>yyyy-MM-dd</i>	<input checked="" type="checkbox"/>

### PUT Patient(ID)

Updates a Patient in Optomate Touch based on the specified ID.

#### Input

Name	Type : false	Null
REFERENCE	String (40)	<input checked="" type="checkbox"/>
TITLE	String (50)	<input checked="" type="checkbox"/>
GIVEN	String (50)	<input checked="" type="checkbox"/>
MIDDLE	String (50)	<input checked="" type="checkbox"/>
SURNAME	String (50)	<input type="checkbox"/>
SALUTATION	String (50)	<input checked="" type="checkbox"/>
NICKNAME	String (50)	<input checked="" type="checkbox"/>
BIRTHDATE	Date <i>yyyy-MM-dd</i>	<input checked="" type="checkbox"/>
GENDER	String (1)	<input checked="" type="checkbox"/>
CHARGE_TO_NAME	String (200)	<input checked="" type="checkbox"/>
CHARGE_TO_SALUTATION	String (100)	<input checked="" type="checkbox"/>
CHARGE_TO_ADDRESS	String (200)	<input checked="" type="checkbox"/>
CHARGE_TO_SUBURB	String (50)	<input checked="" type="checkbox"/>
CHARGE_TO_STATE	String (100)	<input checked="" type="checkbox"/>
CHARGE_TO_POSTCODE	String (10)	<input checked="" type="checkbox"/>
HEAR Aid_GUID	String (36)	<input checked="" type="checkbox"/>
RESIDENT_ADDRESS	String (200)	<input checked="" type="checkbox"/>
RESIDENT_SUBURB	String (50)	<input checked="" type="checkbox"/>
RESIDENT_STATE	String (100)	<input checked="" type="checkbox"/>
RESIDENT_POSTCODE	String (10)	<input checked="" type="checkbox"/>
POSTAL_ADDRESS	String (200)	<input checked="" type="checkbox"/>
POSTAL_SUBURB	String (50)	<input checked="" type="checkbox"/>
POSTAL_STATE	String (100)	<input checked="" type="checkbox"/>
POSTAL_POSTCODE	String (10)	<input checked="" type="checkbox"/>
HOME_PHONE	String (15)	<input checked="" type="checkbox"/>
MOBILE_PHONE	String (12)	<input checked="" type="checkbox"/>
OFFICE_PHONE	String (15)	<input checked="" type="checkbox"/>
EMAIL	String (100)	<input checked="" type="checkbox"/>
OPTOMETRIST_ID	Int64	<input type="checkbox"/>
BRANCH_IDENTIFIER	String (20)	<input type="checkbox"/>

HEALTHFUND_IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
MEMBER_NUMBER	String (50)	<input checked="" type="checkbox"/>
HEALTHFUND_REFNO	Double	<input checked="" type="checkbox"/>
NO_HEALTHFUND	Boolean	<input checked="" type="checkbox"/>
MEDICARE_NUMBER	String (12)	<input checked="" type="checkbox"/>
MEDICARE_REFNO	Double	<input checked="" type="checkbox"/>
MEDICARE_EXPIRY	Date <i>MM/yy</i>	<input checked="" type="checkbox"/>
DVA_NUMBER	String (15)	<input checked="" type="checkbox"/>
DVA_DETAILS	String (20)	<input checked="" type="checkbox"/>
INACTIVE	Boolean : false	<input checked="" type="checkbox"/>
PREF_RECALLINT	String (20)	<input checked="" type="checkbox"/>
PREF_RECALLSUB	String (20)	<input checked="" type="checkbox"/>
PREF_ORDERCOLL	String (20)	<input checked="" type="checkbox"/>
PREF_APPOINTMENTS	String (20)	<input checked="" type="checkbox"/>
PREF_MARKETING	String (20)	<input checked="" type="checkbox"/>
PREF_TELEPHONE	String (20)	<input checked="" type="checkbox"/>
IS_BADADDRESS	Boolean	<input checked="" type="checkbox"/>
IS_BADEMAIL	Boolean	<input checked="" type="checkbox"/>
IS_BADPHONE	Boolean	<input checked="" type="checkbox"/>
NOEMAIL	Boolean	<input checked="" type="checkbox"/>
GENERAL_NOTES	String (4000)	<input checked="" type="checkbox"/>
MAIN_CONTACT	Boolean	<input checked="" type="checkbox"/>
SOURCE	String (200)	<input checked="" type="checkbox"/>
SPECIAL_NOTE	String (4000)	<input checked="" type="checkbox"/>
APPOINTMENT_NOTE	String (100)	<input checked="" type="checkbox"/>
NOMOBILE	Boolean	<input checked="" type="checkbox"/>
OCCUPATION	String (4000)	<input checked="" type="checkbox"/>

### PATCH Patient(ID)

Same as Put except only the updated properties need to be supplied.

### Validation

The API will validate the following on Post, Put or Patch

Values for all properties that cannot be Null are supplied
All compulsory items as specified in the System Settings of Optomate Touch
MEDICARE_NUMBER is a valid Medicare Number
MEDICARE_EXPIRY is not an expired date
Supplied values for OPTOMETRIST_ID, BRANCH_IDENTIFIER, OCCUPATION, SOURCE and HEALTHFUND_IDENTIFIER exist in Optomate Touch
Supplied values for GENDER (Person Gender), PREF_APPOINTMENTS, PREF_MARKETING, PREF_ORDERCOLL, PREF_RECALLINT, PREF_RECALLSUB and PREF_TELEPHONE (All Contact Methods) are valid Static Reference values
INACTIVE cannot be set to true if any of the following for the patient is true: <ul style="list-style-type: none"> <li>- there is an outstanding balance</li> <li>- there are outstanding spectacle orders</li> <li>- there are outstanding contact orders</li> <li>- there are outstanding repairs</li> <li>- is a main contact for a family group</li> <li>- there are future appointments</li> </ul>

## PURCHASE ORDERS

### GET PurchaseOrders(ID)

Gets a single Purchase Order based on the specified ID.

## Output

Purchase Order record.

Name	Type	Null
ID	Int64	<input checked="" type="checkbox"/>
DATE_ADDED	DateTimeOffset <i>yyyy-MM-ddTHH:mm:ss.fffzzz</i>	<input checked="" type="checkbox"/>
USER_ADDED	String (20)	<input checked="" type="checkbox"/>
DATE_EDITED	DateTimeOffset <i>yyyy-MM-ddTHH:mm:ss.fffzzz</i>	<input checked="" type="checkbox"/>
USER_EDITED	String (20)	<input checked="" type="checkbox"/>
IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
REFERENCE	String (100)	<input checked="" type="checkbox"/>
SUPPLIER_IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
BRANCH_IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
NAME_INVOICE	String (100)	<input checked="" type="checkbox"/>
ADDRESS_INVOICE	String (200)	<input checked="" type="checkbox"/>
SUBURB_INVOICE	String (50)	<input checked="" type="checkbox"/>
STATE_INVOICE	String (100)	<input checked="" type="checkbox"/>
POSTCODE_INVOICE	String (10)	<input checked="" type="checkbox"/>
ABN_INVOICE	String (15)	<input checked="" type="checkbox"/>
NAME_DELIVERY	String (100)	<input checked="" type="checkbox"/>
ADDRESS_DELIVERY	String (200)	<input checked="" type="checkbox"/>
SUBURB_DELIVERY	String (50)	<input checked="" type="checkbox"/>
STATE_DELIVERY	String (100)	<input checked="" type="checkbox"/>
POSTCODE_DELIVERY	String (10)	<input checked="" type="checkbox"/>
ABN_DELIVERY	String (15)	<input checked="" type="checkbox"/>
PURCHASE_DATE	DateTimeOffset <i>yyyy-MM-ddTHH:mm:ss.zzz</i>	<input checked="" type="checkbox"/>
ORDERED_DATE	DateTimeOffset <i>yyyy-MM-ddTHH:mm:ss.zzz</i>	<input checked="" type="checkbox"/>
COMMENTS	String (4000)	<input checked="" type="checkbox"/>
PURCHASE_ORDER_STATUS	String (1)	<input checked="" type="checkbox"/>
TOTAL	Decimal	<input checked="" type="checkbox"/>
SPECTACLE_LENS_ORDER_ID	Int64	<input checked="" type="checkbox"/>
ITEMS	Collection (Purchase Order Item)	<input checked="" type="checkbox"/>

## PURCHASE ORDER ITEM

Name	Type	Null
ID	Int64	<input checked="" type="checkbox"/>
STOCK_ITEM_ID	Int64	<input checked="" type="checkbox"/>
STOCK_TYPE_ID	Int32	<input checked="" type="checkbox"/>
QTY	Int32	<input checked="" type="checkbox"/>
DATE_REQUIRED	DateTimeOffset <i>yyyy-MM-ddTHH:mm:ss.zzz</i>	<input checked="" type="checkbox"/>
ITEM_COMMENT	String (100)	<input checked="" type="checkbox"/>
DISCOUNT_PERCENT	Double	<input checked="" type="checkbox"/>
LIST_PRICEEX	Decimal	<input checked="" type="checkbox"/>
EXTENDED_PRICEEX	Decimal	<input checked="" type="checkbox"/>

## GET PurchaseOrders

Gets all Purchase Orders in Optomate Touch.

## Output

A Collection of Purchase Order records.

## POST PurchaseOrder

Creates a Purchase Order record in Optomate Touch.

### Input

Name	Type : Default	Null
IDENTIFIER	String (20) : ID <generated>	<input checked="" type="checkbox"/>
REFERENCE	String (100)	<input checked="" type="checkbox"/>
SUPPLIER_IDENTIFIER	String (20)	<input type="checkbox"/>
BRANCH_IDENTIFIER	String (20)	<input type="checkbox"/>
NAME_INVOICE	String (100)	<input checked="" type="checkbox"/>
ADDRESS_INVOICE	String (200)	<input checked="" type="checkbox"/>
SUBURB_INVOICE	String (50)	<input checked="" type="checkbox"/>
STATE_INVOICE	String (100)	<input checked="" type="checkbox"/>
POSTCODE_INVOICE	String (10)	<input checked="" type="checkbox"/>
ABN_INVOICE	String (15)	<input checked="" type="checkbox"/>
NAME_DELIVERY	String (100)	<input checked="" type="checkbox"/>
ADDRESS_DELIVERY	String (200)	<input checked="" type="checkbox"/>
SUBURB_DELIVERY	String (50)	<input checked="" type="checkbox"/>
STATE_DELIVERY	String (100)	<input checked="" type="checkbox"/>
POSTCODE_DELIVERY	String (10)	<input checked="" type="checkbox"/>
PURCHASE_DATE	Date <i>yyyy-MM-dd</i> : <Current Date>	<input checked="" type="checkbox"/>
ORDERED_DATE	Date <i>yyyy-MM-dd</i>	<input checked="" type="checkbox"/>
PURCHASE_ORDER_STATUS	String (1) : "P"	<input checked="" type="checkbox"/>
COMMENTS	String (4000)	<input checked="" type="checkbox"/>
SPECTACLE_LENS_ORDER_ID	Int64	<input checked="" type="checkbox"/>
ITEMS	Collection (Purchase Order Item)	<input type="checkbox"/>

### ITEMS

Name	Type : Default	Null
STOCK_ITEM_ID	Int64	<input type="checkbox"/>
STOCK_TYPE_ID	Int32	<input type="checkbox"/>
QTY	Int32	<input type="checkbox"/>
DATE_REQUIRED	Date <i>yyyy-MM-dd</i>	<input checked="" type="checkbox"/>
ITEM_COMMENT	String (100)	<input checked="" type="checkbox"/>
DISCOUNT_PERCENT	Double : 0	<input checked="" type="checkbox"/>
LIST_PRICEEX	Decimal : <Item List Price>	<input checked="" type="checkbox"/>

## PATCH PurchaseOrder(ID)

Updates a Purchase Order in Optomate Touch based on the specified ID.

### Input

Name	Type : Default	Null
PURCHASE_ORDER_STATUS	String (1)	<input checked="" type="checkbox"/>

### Validation

The API will validate the following on Post

Values for all properties that cannot be Null are supplied

Supplied value for IDENTIFIER does not already exist in Optomate Touch

At least one ITEM is included in the Purchase Order
Supplied values for SUPPLIER_IDENTIFIER, BRANCH_IDENTIFIER and ITEMS. STOCK_TYPE_ID exist in Optomate Touch
Supplied values for ITEMS.STOCK_ITEM_ID exist in Optomate Touch for the related stock types and supplier
Supplied values for ITEMS.QTY are positive values
Supplied values for ITEMS.LIST_PRICEEX and ITEMS.DISCOUNT_PERCENT are not negative values

The API will validate the following on Patch

Supplied value for PURCHASE_ORDER_STATUS (PurchaseOrderStatuses) is valid Static Reference value
--

## RECALL TYPES

### GET RecallTypes(ID)

Gets a single active Recall Type based on the specified ID.

#### Output

Recall Type record.

Name	Type	Null
ID	Int64	<input checked="" type="checkbox"/>
IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
DESCRIPTION	String (4000)	<input checked="" type="checkbox"/>
NO_MONTHS	Int32	<input checked="" type="checkbox"/>

### GET RecallTypes

Gets all active Recall Types in Optomate Touch.

#### Output

Collection of Recall Type records

## RECEIPT SUMMARY

### GET ReceiptSummary?dateFrom=<val>&dateTo=<val>

Gets Receipt Summary records based on Receipts that were issued on or after dateFrom and on or before dateTo.

#### Query Parameters

Name	Type	Null
dateFrom	Date <i>yyyy-MM-dd</i>	<input checked="" type="checkbox"/>
dateTo	Date <i>yyyy-MM-dd</i>	<input checked="" type="checkbox"/>

#### Output

Name	Type	Null
PAYMENT_TYPE	String (3) <i>Ref Code PaymentTypes</i>	<input checked="" type="checkbox"/>
COUNT	Int32	<input checked="" type="checkbox"/>

AMOUNT_INC_GST	Decimal	<input checked="" type="checkbox"/>
AMOUNT_EX_GST	Decimal	<input checked="" type="checkbox"/>

## REGIONS

### GET Regions(ID)

Gets a single Region based on the specified ID.

#### Output

Region record.

Name	Type	Null
ID	Int64	<input checked="" type="checkbox"/>
IDENTIFIER	String (10)	<input checked="" type="checkbox"/>
DESCRIPTION	String (60)	<input checked="" type="checkbox"/>

### GET Regions

Gets all Regions in Optomate Touch.

#### OUTPUT

Collection of Region records.

## SALES SUMMARY

### GET SalesSummary?dateFrom=<val>&dateTo=<val>

Gets Sales Summary records based on Invoices that were issued on or after dateFrom and on or before dateTo.

#### Query Parameters

Name	Type	Null
dateFrom	Date <i>yyyy-MM-dd</i>	<input checked="" type="checkbox"/>
dateTo	Date <i>yyyy-MM-dd</i>	<input checked="" type="checkbox"/>

#### Output

Name	Type	Null
STOCK_TYPE	Int32 <i>Ref Id StockTypes</i>	<input checked="" type="checkbox"/>
QTY	Int32	<input checked="" type="checkbox"/>
AMOUNT_INC_GST	Decimal	<input checked="" type="checkbox"/>
AMOUNT_EX_GST	Decimal	<input checked="" type="checkbox"/>

## SMS TRANSACTIONS

### GET SmsTransactions(ID)

Gets a single SMS Transaction based on the specified ID.

## Output

SMS Transaction record.

Name	Type	Null
ID	Int64	<input type="checkbox"/>
DATE_ADDED	DateTimeOffset <i>yyyy-MM-ddTHH:mm:ss.fffzzz</i>	<input type="checkbox"/>
USER_ADDED	String (20)	<input type="checkbox"/>
DATE_EDITED	DateTimeOffset <i>yyyy-MM-ddTHH:mm:ss.fffzzz</i>	<input checked="" type="checkbox"/>
USER_EDITED	String (20)	<input checked="" type="checkbox"/>
SMS_SENT_DATETIME	DateTimeOffset <i>yyyy-MM-ddTHH:mm:ss.fffzzz</i>	<input type="checkbox"/>
SMS_TYPE_ID	Int64 <i>Ref Id SmsTypes</i>	<input checked="" type="checkbox"/>
PATIENT_ID	Int64	<input type="checkbox"/>
REP_ID	Int64	<input checked="" type="checkbox"/>
ORDER_ID	Int64	<input checked="" type="checkbox"/>
MOBILE_NUMBER	String (15)	<input type="checkbox"/>
SMS_SENT_TEXT	String (4000)	<input type="checkbox"/>
BRANCH_IDENTIFIER	String (20)	<input type="checkbox"/>
SUCCESSFULLY_SENT	Boolean	<input type="checkbox"/>
IS_VIEWED	Boolean	<input type="checkbox"/>
DELIVERY_STATUS	String (20)	<input checked="" type="checkbox"/>
FAILED_REASON	String (500)	<input checked="" type="checkbox"/>
HAS_REPLIES	Boolean	<input checked="" type="checkbox"/>
SUPPLIER_ID	Int64	<input checked="" type="checkbox"/>
ITEMS	Collection (SMS Item)	<input checked="" type="checkbox"/>

## SMS ITEM

Name	Type	Null
ID	Int64	<input type="checkbox"/>
SMS_RECEIVED_DATETIME	DateTimeOffset <i>yyyy-MM-ddTHH:mm:ss.fffzzz</i>	<input type="checkbox"/>
SMS_RECEIVED_TEXT	String (4000)	<input type="checkbox"/>
IS_VIEWED	Boolean	<input type="checkbox"/>
RECEIPT_ID	Int64	<input checked="" type="checkbox"/>
PATIENT_RESPONSE_DATE	DateTimeOffset <i>yyyy-MM-ddTHH:mm:ss.fffzzz</i>	<input checked="" type="checkbox"/>

## GET SmsTransactions

Gets all SMS Transactions in Optomate Touch.

### Output

A Collection of SMS Transactions records.

## SOLUTIONS

### GET Solutions(ID)

Gets a single Solution based on the specified ID.

### Output

Solution record.

Name	Type	Null
ID	Int64	<input type="checkbox"/>
DATE_ADDED	DateTimeOffset <i>yyyy-MM-ddTHH:mm:ss.fffzzz</i>	<input type="checkbox"/>
USER_ADDED	String (20)	<input type="checkbox"/>
DATE_EDITED	DateTimeOffset <i>yyyy-MM-ddTHH:mm:ss.fffzzz</i>	<input checked="" type="checkbox"/>
USER_EDITED	String (20)	<input checked="" type="checkbox"/>
BARCODE	String (20)	<input type="checkbox"/>
HEALTH_FUND	String (5)	<input checked="" type="checkbox"/>
DESCRIPTION	String (100)	<input type="checkbox"/>
SUPPLIER_STOCK_CODE	String (50)	<input checked="" type="checkbox"/>
WEB_ADDRESS	String (4000)	<input checked="" type="checkbox"/>
IS_GST	Boolean	<input type="checkbox"/>
CATEGORY_IDENTIFIER	String (20)	<input type="checkbox"/>
SUPPLIER_IDENTIFIER	String (20)	<input type="checkbox"/>
INSTITUTION_IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
EYETALK_PERMID	String (20)	<input checked="" type="checkbox"/>
EYETALK_BOOKCODE	String (20)	<input checked="" type="checkbox"/>
NOTES	String (4000)	<input checked="" type="checkbox"/>
BRANCH_INFOS	Collection (Solution Branch)	<input type="checkbox"/>

## SOLUTION BRANCH

Name	Type	Null
ID	Int64	<input type="checkbox"/>
BRANCH_IDENTIFIER	String (20)	<input type="checkbox"/>
COSTINC	Decimal	<input type="checkbox"/>
COSTEX	Decimal	<input type="checkbox"/>
SELLINC	Decimal	<input type="checkbox"/>
MEMBER_SELLINC	Decimal	<input type="checkbox"/>
LISTPRICEEX	Decimal	<input type="checkbox"/>
RRPINC	Decimal	<input type="checkbox"/>
QOH	Int64	<input type="checkbox"/>
REORDER_LEVEL	Int64	<input type="checkbox"/>
REORDER_QUANTITY	Int64	<input type="checkbox"/>
CONSIGNMENT	Boolean	<input type="checkbox"/>
INVENTORY	Boolean	<input type="checkbox"/>
INACTIVE	Boolean	<input type="checkbox"/>
FAVOURITE	Boolean	<input type="checkbox"/>

## GET Solutions

Gets all Solutions in Optomate Touch.

### Output

A Collection of Solution records.

## POST Solution

Creates a Solution in Optomate Touch. The supplied values for BRANCH\_INFO will be used to create the related data for each Branch.

## Input

Name	Type : Default	Null
BARCODE	String (20)	<input type="checkbox"/>
HEALTH_FUND	String (5)	<input checked="" type="checkbox"/>
DESCRIPTION	String (100)	<input type="checkbox"/>
SUPPLIER_STOCK_CODE	String (50)	<input checked="" type="checkbox"/>
WEB_ADDRESS	String (4000)	<input checked="" type="checkbox"/>
IS_GST	Boolean : False	<input checked="" type="checkbox"/>
CATEGORY_IDENTIFIER	String (20)	<input type="checkbox"/>
SUPPLIER_IDENTIFIER	String (20)	<input type="checkbox"/>
INSTITUTION_IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
EYETALK_PERMID	String (20)	<input checked="" type="checkbox"/>
EYETALK_BOOKCODE	String (20)	<input checked="" type="checkbox"/>
NOTES	String (4000)	<input checked="" type="checkbox"/>
BRANCH_INFO	Solution Branch	<input checked="" type="checkbox"/>

## SOLUTION BRANCH

Name	Type : Default	Null
COSTINC	Decimal : 0	<input checked="" type="checkbox"/>
COSTEX	Decimal : 0	<input checked="" type="checkbox"/>
SELLINC	Decimal : 0	<input checked="" type="checkbox"/>
LISTPRICEEX	Decimal : 0	<input checked="" type="checkbox"/>
RRPINC	Decimal : 0	<input checked="" type="checkbox"/>
QOH	Int64 : 0	<input checked="" type="checkbox"/>
REORDER_LEVEL	Int64 : 0	<input checked="" type="checkbox"/>
REORDER_QUANTITY	Int64 : 0	<input checked="" type="checkbox"/>
CONSIGNMENT	Boolean : false	<input checked="" type="checkbox"/>
INVENTORY	Boolean : false	<input checked="" type="checkbox"/>
INACTIVE	Boolean : false	<input checked="" type="checkbox"/>
FAVOURITE	Boolean : false	<input checked="" type="checkbox"/>



The value for QOH will be set to 0 if INVENTORY is not set to true.

## PUT Solution(ID)

Updates a Solution in Optomate Touch based on the specified ID. The supplied values for BRANCH\_INFO will update the related data for each Branch. If BRANCH\_IDENTIFIER is specified, then only that Branch related data will be updated.

## Input

Name	Type : Default	Null
HEALTH_FUND	String (5)	<input checked="" type="checkbox"/>
DESCRIPTION	String (100)	<input type="checkbox"/>
SUPPLIER_STOCK_CODE	String (50)	<input checked="" type="checkbox"/>
WEB_ADDRESS	String (4000)	<input checked="" type="checkbox"/>
IS_GST	Boolean : False	<input checked="" type="checkbox"/>
CATEGORY_IDENTIFIER	String (20)	<input type="checkbox"/>
SUPPLIER_IDENTIFIER	String (20)	<input type="checkbox"/>

INSTITUTION_IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
EYETALK_PERMID	String (20)	<input checked="" type="checkbox"/>
EYETALK_BOOKCODE	String (20)	<input checked="" type="checkbox"/>
NOTES	String (4000)	<input checked="" type="checkbox"/>
BRANCH_INFO	Solution Branch	<input checked="" type="checkbox"/>

## SOLUTION BRANCH

Name	Type : Default	Null
BRANCH_IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
COSTINC	Decimal : 0	<input checked="" type="checkbox"/>
COSTEX	Decimal : 0	<input checked="" type="checkbox"/>
SELLINC	Decimal : 0	<input checked="" type="checkbox"/>
LISTPRICEEX	Decimal : 0	<input checked="" type="checkbox"/>
QOH	Int64 : 0	<input checked="" type="checkbox"/>
RRPINC	Decimal : 0	<input checked="" type="checkbox"/>
CONSIGNMENT	Boolean : false	<input checked="" type="checkbox"/>
INVENTORY	Boolean : false	<input checked="" type="checkbox"/>
INACTIVE	Boolean : false	<input checked="" type="checkbox"/>
FAVOURITE	Boolean : false	<input checked="" type="checkbox"/>

## PATCH Solution(ID)

Same as Put except only the updated properties need to be supplied.

### Validation

The API will validate the following on Post, Put or Patch

Values for all properties that cannot be Null are supplied
Supplied value for BARCODE is a unique value that does not already exist in Optomate Touch for all stock items
Supplied values for CATEGORY_IDENTIFIER, SUPPLIER_IDENTIFIER, INSTITUTION_IDENTIFIER and BRANCH_INFO.BRANCH_IDENTIFIER exist in Optomate Touch

## SOURCES

### GET Sources(ID)

Gets a single Source based on the specified ID.

#### Output

Source record.

Name	Type	Null
ID	Int64	<input checked="" type="checkbox"/>
NAME	String (200)	<input checked="" type="checkbox"/>

### GET Sources

Gets all Sources in Optomate Touch.

## Output

Collection of Source records.

## SPECTACLE FRAMES

### GET SpectacleFrames(ID)

Gets a single Spectacle Frame based on the specified ID.

## Output

Spectacle Frame record.

Name	Type	Null
ID	Int64	<input checked="" type="checkbox"/>
DATE_ADDED	DateTimeOffset <i>yyyy-MM-ddTHH:mm:ss.fffzzz</i>	<input checked="" type="checkbox"/>
USER_ADDED	String (20)	<input checked="" type="checkbox"/>
DATE_EDITED	DateTimeOffset <i>yyyy-MM-ddTHH:mm:ss.fffzzz</i>	<input checked="" type="checkbox"/>
USER_EDITED	String (20)	<input checked="" type="checkbox"/>
BARCODE	String (20)	<input checked="" type="checkbox"/>
HEALTH_FUND	String (5)	<input checked="" type="checkbox"/>
MODEL	String (20)	<input checked="" type="checkbox"/>
COLOUR_CODE	String (15)	<input checked="" type="checkbox"/>
COLOUR_DESCRIPTION	String (70)	<input checked="" type="checkbox"/>
SIZE	Double	<input checked="" type="checkbox"/>
DESCRIPTION	String (100)	<input checked="" type="checkbox"/>
DEPTH	Double	<input checked="" type="checkbox"/>
DIAG	Double	<input checked="" type="checkbox"/>
TEMPLE	Double	<input checked="" type="checkbox"/>
NOTES	String (4000)	<input checked="" type="checkbox"/>
SUPPLIER_STOCK_CODE	String (50)	<input checked="" type="checkbox"/>
WEB_ADDRESS	String (250)	<input checked="" type="checkbox"/>
GENDER_CODE	String (1)	<input checked="" type="checkbox"/>
STATUS	String (1)	<input checked="" type="checkbox"/>
IS_GST	Boolean	<input checked="" type="checkbox"/>
SERIALNUMBER	String (40)	<input checked="" type="checkbox"/>
BRAND_IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
ACCOUNT_DESCRIPTION	String (100)	<input checked="" type="checkbox"/>
MATERIAL_IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
CATEGORY_IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
SUPPLIER_IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
INSTITUTION_IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
CONSTRUCTION_IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
BRANCH_INFOS	Collection (Spectacle Frame Branch)	<input checked="" type="checkbox"/>

## SPECTACLE FRAME BRANCH

Name	Type	Null
ID	Int64	<input checked="" type="checkbox"/>
BRANCH_IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
COSTINC	Decimal	<input checked="" type="checkbox"/>
COSTEX	Decimal	<input checked="" type="checkbox"/>
SELLINC	Decimal	<input checked="" type="checkbox"/>
MEMBER_SELLINC	Decimal	<input checked="" type="checkbox"/>
LISTPRICEEX	Decimal	<input checked="" type="checkbox"/>

RRPINC	Decimal	<input checked="" type="checkbox"/>
QOH	Int64	<input checked="" type="checkbox"/>
REORDER_LEVEL	Int64	<input checked="" type="checkbox"/>
REORDER_QUANTITY	Int64	<input checked="" type="checkbox"/>
CONSIGNMENT	Boolean	<input checked="" type="checkbox"/>
DISPLAY	Boolean	<input checked="" type="checkbox"/>
INVENTORY	Boolean	<input checked="" type="checkbox"/>
FAVOURITE	Boolean	<input checked="" type="checkbox"/>

## GET SpectacleFrames

Gets all Spectacle Frames in Optomate Touch.

### Output

A Collection of Spectacle Frame records.

## POST SpectacleFrame

Creates a Spectacle Frame in Optomate Touch and returns the created record. The supplied values for BRANCH\_INFO\_INPUT will be used to create the related data for each Branch.

### Input

Name	Type : Default	Null
BARCODE	String (20)	<input checked="" type="checkbox"/>
HEALTH_FUND	String (5)	<input checked="" type="checkbox"/>
MODEL	String (20)	<input checked="" type="checkbox"/>
COLOUR_CODE	String (15)	<input checked="" type="checkbox"/>
COLOUR_DESCRIPTION	String (70)	<input checked="" type="checkbox"/>
SIZE	Double : 0	<input checked="" type="checkbox"/>
DESCRIPTION	String (100)	<input checked="" type="checkbox"/>
DEPTH	Double : 0	<input checked="" type="checkbox"/>
DIAG	Double : 0	<input checked="" type="checkbox"/>
TEMPLE	Double : 0	<input checked="" type="checkbox"/>
NOTES	String (4000)	<input checked="" type="checkbox"/>
SUPPLIER_STOCK_CODE	String (50)	<input checked="" type="checkbox"/>
WEB_ADDRESS	String (250)	<input checked="" type="checkbox"/>
GENDER_CODE	String (1)	<input checked="" type="checkbox"/>
STATUS	String (1)	<input checked="" type="checkbox"/>
IS_GST	Boolean : false	<input checked="" type="checkbox"/>
SERIALNUMBER	String (40)	<input checked="" type="checkbox"/>
BRAND_IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
ACCOUNT_DESCRIPTION	String (100)	<input checked="" type="checkbox"/>
MATERIAL_IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
CATEGORY_IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
SUPPLIER_IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
INSTITUTION_IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
CONSTRUCTION_IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
BRANCH_INFO	Spectacle Frame Branch	<input checked="" type="checkbox"/>

## SPECTACLE FRAME BRANCH

Name	Type : Default	Null
COSTINC	Double : 0	<input checked="" type="checkbox"/>
COSTEX	Double : 0	<input checked="" type="checkbox"/>

SELLINC	Double : 0	<input checked="" type="checkbox"/>
LISTPRICEEX	Double : 0	<input checked="" type="checkbox"/>
RRPINC	Double : 0	<input checked="" type="checkbox"/>
QOH	Int64: 0	<input checked="" type="checkbox"/>
REORDER_LEVEL	Int64 : 0	<input checked="" type="checkbox"/>
REORDER_QUANTITY	Int64 : 0	<input checked="" type="checkbox"/>
CONSIGNMENT	Boolean : false	<input checked="" type="checkbox"/>
DISPLAY	Boolean : false	<input checked="" type="checkbox"/>
INVENTORY	Boolean : false	<input checked="" type="checkbox"/>
FAVOURITE	Boolean : false	<input checked="" type="checkbox"/>



The value for QOH will be set to 0 if INVENTORY is not set to true.

### PUT SpectacleFrame(ID)

Updates a Spectacle Frame in Optomate Touch based on the specified ID and returns the updated record. The supplied values for BRANCH\_INFO will update the related data for each Branch. If BRANCH\_IDENTIFIER is specified, then only that Branch related data will be updated.

#### Input

Name	Type	Null
HEALTH_FUND	String (5)	<input checked="" type="checkbox"/>
MODEL	String (20)	<input checked="" type="checkbox"/>
COLOUR_CODE	String (15)	<input checked="" type="checkbox"/>
COLOUR_DESCRIPTION	String (70)	<input checked="" type="checkbox"/>
SIZE	Double : 0	<input checked="" type="checkbox"/>
DESCRIPTION	String (100)	<input type="checkbox"/>
DEPTH	Double : 0	<input checked="" type="checkbox"/>
DIAG	Double : 0	<input checked="" type="checkbox"/>
TEMPLE	Double : 0	<input checked="" type="checkbox"/>
NOTES	String (4000)	<input checked="" type="checkbox"/>
SUPPLIER_STOCK_CODE	String (50)	<input checked="" type="checkbox"/>
WEB_ADDRESS	String (250)	<input checked="" type="checkbox"/>
GENDER_CODE	String (1)	<input type="checkbox"/>
STATUS	String (1)	<input type="checkbox"/>
IS_GST	Boolean : false	<input checked="" type="checkbox"/>
SERIALNUMBER	String (40)	<input checked="" type="checkbox"/>
BRAND_IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
ACCOUNT_DESCRIPTION	String (100)	<input checked="" type="checkbox"/>
MATERIAL_IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
CATEGORY_IDENTIFIER	String (20)	<input type="checkbox"/>
SUPPLIER_IDENTIFIER	String (20)	<input type="checkbox"/>
INSTITUTION_IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
CONSTRUCTION_IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
BRANCH_INFO	Spectacle Frame Branch	<input checked="" type="checkbox"/>

## SPECTACLE FRAME BRANCH

Name	Type : Default	Null
BRANCH_IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
COSTINC	Double : 0	<input checked="" type="checkbox"/>
COSTEX	Double : 0	<input checked="" type="checkbox"/>
SELLINC	Double : 0	<input checked="" type="checkbox"/>
LISTPRICEEX	Double : 0	<input checked="" type="checkbox"/>
RRPINC	Double : 0	<input checked="" type="checkbox"/>
QOH	Int64: 0	<input checked="" type="checkbox"/>
CONSIGNMENT	Boolean : false	<input checked="" type="checkbox"/>
DISPLAY	Boolean : false	<input checked="" type="checkbox"/>
INVENTORY	Boolean : false	<input checked="" type="checkbox"/>
FAVOURITE	Boolean : false	<input checked="" type="checkbox"/>

## PATCH SpectacleFrame(ID)

Same as Put except only the updated properties need to be supplied.

### Validation

The API will validate the following on Post, Put or Patch

Values for all properties that cannot be Null are supplied
Supplied value for BARCODE is a unique value that does not already exist in Optomate Touch for all stock items
Supplied values for CATEGORY_IDENTIFIER, SUPPLIER_IDENTIFIER, MATERIAL_IDENTIFIER, CONSTRUCTION_IDENTIFIER, BRAND_IDENTIFIER, INSTITUTION_IDENTIFIER and BRANCH_INFO.BRANCH_IDENTIFIER exist in Optomate Touch
Supplied values for GENDER (Stock Item Gender) and STATUS (Stock Item Statuses) are valid Static Reference Data values

## SPECTACLE LENSES

### GET SpectacleLenses(ID)

Gets a single Spectacle Lens record based on the specified ID.

### Output

Spectacle Lens record.

Name	Type	Null
ID	Int64	<input checked="" type="checkbox"/>
DATE_ADDED	DateTimeOffset yyyy-MM-ddTHH:mm:ss.fffzzz	<input checked="" type="checkbox"/>
USER_ADDED	String (20)	<input checked="" type="checkbox"/>
DATE_EDITED	DateTimeOffset yyyy-MM-ddTHH:mm:ss.fffzzz	<input checked="" type="checkbox"/>
USER_EDITED	String (20)	<input checked="" type="checkbox"/>
BARCODE	String (20)	<input checked="" type="checkbox"/>
SINGLE_HEALTH_FUND	String (5)	<input checked="" type="checkbox"/>
MULTI_HEALTH_FUND	String (5)	<input checked="" type="checkbox"/>
DESCRIPTION	String (100)	<input checked="" type="checkbox"/>
ACCOUNT_DESCRIPTION	String (100)	<input checked="" type="checkbox"/>
SUPPLIER_STOCK_CODE	String (50)	<input checked="" type="checkbox"/>
WEB_ADDRESS	String (4000)	<input checked="" type="checkbox"/>
IS_GST	Boolean	<input checked="" type="checkbox"/>
STOCKGRIND	String (1)	<input checked="" type="checkbox"/>

MATERIAL	String (1)	<input checked="" type="checkbox"/>
REFRACTIVE_INDEX	Double	<input type="checkbox"/>
DIAMETER	Double	<input type="checkbox"/>
BASE_CURVE	Double	<input type="checkbox"/>
SEG_SIZE	Double	<input type="checkbox"/>
POLARISED	Boolean	<input type="checkbox"/>
TRANSITIONS	Boolean	<input type="checkbox"/>
HIGHEST_SPH	Double	<input type="checkbox"/>
LOWEST_SPH	Double	<input type="checkbox"/>
MAX_CYL	Double	<input type="checkbox"/>
NODAYSATLAB	Double	<input type="checkbox"/>
LENSTYPE	String (1)	<input checked="" type="checkbox"/>
CATEGORY_IDENTIFIER	String (20)	<input type="checkbox"/>
SUPPLIER_IDENTIFIER	String (20)	<input type="checkbox"/>
INSTITUTION_IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
NOTES	String (4000)	<input checked="" type="checkbox"/>
WINLIX_CODE	String (20)	<input checked="" type="checkbox"/>
WINLIX_ADD_CODE	String (20)	<input checked="" type="checkbox"/>
OPTILINKCODE	String (20)	<input checked="" type="checkbox"/>
OPTILINKGROUP	String (1)	<input checked="" type="checkbox"/>
WINFITCODE	String (20)	<input checked="" type="checkbox"/>
RXOFFICECODE	String (20)	<input checked="" type="checkbox"/>
HOYACODE	String (20)	<input checked="" type="checkbox"/>
HOYATINT	String (20)	<input checked="" type="checkbox"/>
HOYACOAT	String (20)	<input checked="" type="checkbox"/>
SHAMIRCODE	String (20)	<input checked="" type="checkbox"/>
SWISSCOAT_LENSCODE	String (20)	<input checked="" type="checkbox"/>
SWISSCOAT_TINTCODE	String (20)	<input checked="" type="checkbox"/>
SWISSCOAT_COAT1CODE	String (20)	<input checked="" type="checkbox"/>
SWISSCOAT_COAT2CODE	String (20)	<input checked="" type="checkbox"/>
VISUSTORE_COMMERCIAL_CODE	String (20)	<input checked="" type="checkbox"/>
CR_SURFACING_PRODUCTCODE	String (20)	<input checked="" type="checkbox"/>
CR_SURFACING_TINTCODE	String (20)	<input checked="" type="checkbox"/>
CR_SURFACING_COAT1CODE	String (20)	<input checked="" type="checkbox"/>
CR_SURFACING_COAT2CODE	String (20)	<input checked="" type="checkbox"/>
BRANCH_INFOS	Collection (Spectacle Lens Branch)	<input type="checkbox"/>
ADDONS	Collection (Spectacle Lens Addon)	<input checked="" type="checkbox"/>

## SPECTACLE LENS BRANCH

Name	Type	Null
ID	Int64	<input type="checkbox"/>
BRANCH_IDENTIFIER	String (20)	<input type="checkbox"/>
COSTINC	Decimal	<input type="checkbox"/>
COSTEX	Decimal	<input type="checkbox"/>
SELLINC	Decimal	<input type="checkbox"/>
MEMBER_SELLINC	Decimal	<input type="checkbox"/>
LISTPRICEEX	Decimal	<input type="checkbox"/>
RRPINC	Decimal	<input type="checkbox"/>
DEFAULT_SELLQTY	Int64	<input type="checkbox"/>
QOH	Int64	<input type="checkbox"/>
REORDER_LEVEL	Int64	<input type="checkbox"/>
REORDER_QUANTITY	Int64	<input type="checkbox"/>
INVENTORY	Boolean	<input type="checkbox"/>
INACTIVE	Boolean	<input type="checkbox"/>
FAVOURITE	Boolean	<input type="checkbox"/>

## SPECTACLE LENS ADDON

Name	Type	Null
ID	Int64	<input checked="" type="checkbox"/>
SPECTACLELENS_ADDON_LOOKUP_ID	Int64	<input checked="" type="checkbox"/>
AMOUNT	Decimal	<input checked="" type="checkbox"/>

### GET SpectacleLenses

Gets all Spectacle Lenses in Optomate Touch.

#### Output

A Collection of Spectacle Lens records.

### POST SpectacleLens

Creates a Spectacle Lens in Optomate Touch. The supplied values for BRANCH\_INFO\_INPUT will be used to create the related data for each Branch.

#### Input

Name	Type : Default	Null
BARCODE	String (20)	<input checked="" type="checkbox"/>
SINGLE_HEALTH_FUND	String (5)	<input checked="" type="checkbox"/>
MULTI_HEALTH_FUND	String (5)	<input checked="" type="checkbox"/>
DESCRIPTION	String (100)	<input checked="" type="checkbox"/>
ACCOUNT_DESCRIPTION	String (100)	<input checked="" type="checkbox"/>
SUPPLIER_STOCK_CODE	String (50)	<input checked="" type="checkbox"/>
WEB_ADDRESS	String (4000)	<input checked="" type="checkbox"/>
IS_GST	Boolean : False	<input checked="" type="checkbox"/>
STOCKGRIND	String (1)	<input checked="" type="checkbox"/>
MATERIAL	String (1)	<input checked="" type="checkbox"/>
REFRACTIVE_INDEX	Double : 0	<input checked="" type="checkbox"/>
DIAMETER	Double : 0	<input checked="" type="checkbox"/>
BASE_CURVE	Double : 0	<input checked="" type="checkbox"/>
SEG_SIZE	Double : 0	<input checked="" type="checkbox"/>
POLARISED	Boolean : False	<input checked="" type="checkbox"/>
TRANSITIONS	Boolean : False	<input checked="" type="checkbox"/>
HIGHEST_SPH	Double : 0	<input checked="" type="checkbox"/>
LOWEST_SPH	Double : 0	<input checked="" type="checkbox"/>
MAX_CYL	Double : 0	<input checked="" type="checkbox"/>
NODAYSATLAB	Double : 0	<input checked="" type="checkbox"/>
LENSTYPE	String (1)	<input checked="" type="checkbox"/>
CATEGORY_IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
SUPPLIER_IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
INSTITUTION_IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
NOTES	String (4000)	<input checked="" type="checkbox"/>
WINLIX_CODE	String (20)	<input checked="" type="checkbox"/>
WINLIX_ADD_CODE	String (20)	<input checked="" type="checkbox"/>
OPTILINKCODE	String (20)	<input checked="" type="checkbox"/>
OPTILINKGROUP	String (1)	<input checked="" type="checkbox"/>
WINFITCODE	String (20)	<input checked="" type="checkbox"/>
RXOFFICECODE	String (20)	<input checked="" type="checkbox"/>
HOYACODE	String (20)	<input checked="" type="checkbox"/>

HOYATINT	String (20)	<input checked="" type="checkbox"/>
HOYACOAT	String (20)	<input checked="" type="checkbox"/>
SHAMIRCODE	String (20)	<input checked="" type="checkbox"/>
SWISSCOAT_LENSCODE	String (20)	<input checked="" type="checkbox"/>
SWISSCOAT_TINTCODE	String (20)	<input checked="" type="checkbox"/>
SWISSCOAT_COAT1CODE	String (20)	<input checked="" type="checkbox"/>
SWISSCOAT_COAT2CODE	String (20)	<input checked="" type="checkbox"/>
VISUSTORE_COMMERCIAL_CODE	String (20)	<input checked="" type="checkbox"/>
CR_SURFACING_PRODUCTCODE	String (20)	<input checked="" type="checkbox"/>
CR_SURFACING_TINTCODE	String (20)	<input checked="" type="checkbox"/>
CR_SURFACING_COAT1CODE	String (20)	<input checked="" type="checkbox"/>
CR_SURFACING_COAT2CODE	String (20)	<input checked="" type="checkbox"/>
BRANCH_INFO	Spectacle Lens Branch	<input checked="" type="checkbox"/>
ADDONS	Collection (Spectacle Lens Addon)	<input checked="" type="checkbox"/>

## SPECTACLE LENS BRANCH

Name	Type : Default	Null
COSTINC	Decimal : 0	<input checked="" type="checkbox"/>
COSTEX	Decimal : 0	<input checked="" type="checkbox"/>
SELLINC	Decimal : 0	<input checked="" type="checkbox"/>
LISTPRICEEX	Decimal : 0	<input checked="" type="checkbox"/>
RRPINC	Decimal : 0	<input checked="" type="checkbox"/>
DEFAULT_SELLQTY	Int64 : 0	<input checked="" type="checkbox"/>
QOH	Int64 : 0	<input checked="" type="checkbox"/>
REORDER_LEVEL	Int64 : 0	<input checked="" type="checkbox"/>
REORDER_QUANTITY	Int64 : 0	<input checked="" type="checkbox"/>
INVENTORY	Boolean : false	<input checked="" type="checkbox"/>
INACTIVE	Boolean : false	<input checked="" type="checkbox"/>
FAVOURITE	Boolean : false	<input checked="" type="checkbox"/>



The value for QOH will be set to 0 if INVENTORY is not set to true.

## SPECTACLE LENS ADDON

Name	Type : Default	Null
OPERATION	String (1)	<input checked="" type="checkbox"/>
SPECLENS_ADDON_DESCRIPTION_ID	Int64	<input checked="" type="checkbox"/>
AMOUNT	Decimal : 0	<input checked="" type="checkbox"/>

## PUT SpectacleLens(ID)

Updates a Spectacle Lens in Optomate Touch based on the specified ID. The supplied values for BRANCH\_INFO will update the related data for each Branch. If BRANCH\_IDENTIFIER is specified, then only that Branch related data will be updated.

## Input

Name	Type : Default	Null
SINGLE_HEALTH_FUND	String (5)	<input checked="" type="checkbox"/>
MULTI_HEALTH_FUND	String (5)	<input checked="" type="checkbox"/>
DESCRIPTION	String (100)	<input type="checkbox"/>
ACCOUNT_DESCRIPTION	String (100)	<input checked="" type="checkbox"/>
SUPPLIER_STOCK_CODE	String (50)	<input checked="" type="checkbox"/>
WEB_ADDRESS	String (4000)	<input checked="" type="checkbox"/>
IS_GST	Boolean : False	<input checked="" type="checkbox"/>
STOCKGRIND	String (1)	<input checked="" type="checkbox"/>
MATERIAL	String (1)	<input checked="" type="checkbox"/>
REFRACTIVE_INDEX	Double : 0	<input checked="" type="checkbox"/>
DIAMETER	Double : 0	<input checked="" type="checkbox"/>
BASE_CURVE	Double : 0	<input checked="" type="checkbox"/>
SEG_SIZE	Double : 0	<input checked="" type="checkbox"/>
POLARISED	Boolean : False	<input checked="" type="checkbox"/>
TRANSITIONS	Boolean : False	<input checked="" type="checkbox"/>
HIGHEST_SPH	Double : 0	<input checked="" type="checkbox"/>
LOWEST_SPH	Double : 0	<input checked="" type="checkbox"/>
MAX_CYL	Double : 0	<input checked="" type="checkbox"/>
NODAYSATLAB	Double : 0	<input checked="" type="checkbox"/>
LENSTYPE	String (1)	<input checked="" type="checkbox"/>
CATEGORY_IDENTIFIER	String (20)	<input type="checkbox"/>
SUPPLIER_IDENTIFIER	String (20)	<input type="checkbox"/>
INSTITUTION_IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
NOTES	String (4000)	<input checked="" type="checkbox"/>
WINLINUX_CODE	String (20)	<input checked="" type="checkbox"/>
WINLINUX_ADD_CODE	String (20)	<input checked="" type="checkbox"/>
OPTILINKCODE	String (20)	<input checked="" type="checkbox"/>
OPTILINKGROUP	String (1)	<input checked="" type="checkbox"/>
WINFITCODE	String (20)	<input checked="" type="checkbox"/>
RXOFFICECODE	String (20)	<input checked="" type="checkbox"/>
HOYACODE	String (20)	<input checked="" type="checkbox"/>
HOYATINT	String (20)	<input checked="" type="checkbox"/>
HOYACOAT	String (20)	<input checked="" type="checkbox"/>
SHAMIRCODE	String (20)	<input checked="" type="checkbox"/>
SWISSCOAT_LENSCODE	String (20)	<input checked="" type="checkbox"/>
SWISSCOAT_TINTCODE	String (20)	<input checked="" type="checkbox"/>
SWISSCOAT_COAT1CODE	String (20)	<input checked="" type="checkbox"/>
SWISSCOAT_COAT2CODE	String (20)	<input checked="" type="checkbox"/>
VISUSTORE_COMMERCIAL_CODE	String (20)	<input checked="" type="checkbox"/>
CR_SURFACING_PRODUCTCODE	String (20)	<input checked="" type="checkbox"/>
CR_SURFACING_TINTCODE	String (20)	<input checked="" type="checkbox"/>
CR_SURFACING_COAT1CODE	String (20)	<input checked="" type="checkbox"/>
CR_SURFACING_COAT2CODE	String (20)	<input checked="" type="checkbox"/>
BRANCH_INFO	Spectacle Lens Branch	<input checked="" type="checkbox"/>
ADDONS	Collection (Spectacle Lens Addon)	<input checked="" type="checkbox"/>

## SPECTACLE LENS BRANCH

Name	Type : Default	Null
BRANCH_IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
COSTINC	Decimal : 0	<input checked="" type="checkbox"/>
COSTEX	Decimal : 0	<input checked="" type="checkbox"/>
SELLINC	Decimal : 0	<input checked="" type="checkbox"/>

LISTPRICEEX	Decimal : 0	<input checked="" type="checkbox"/>
RRPINC	Decimal : 0	<input checked="" type="checkbox"/>
DEFAULT_SELLQTY	Int64 : 0	<input checked="" type="checkbox"/>
QOH	Int64 : 0	<input checked="" type="checkbox"/>
INVENTORY	Boolean : false	<input checked="" type="checkbox"/>
INACTIVE	Boolean : false	<input checked="" type="checkbox"/>
FAVOURITE	Boolean : false	<input checked="" type="checkbox"/>

## SPECTACLE LENS ADDON

Name	Type : Default	Null
OPERATION	String (1)	<input checked="" type="checkbox"/>
ID	Int64	<input checked="" type="checkbox"/>
AMOUNT	Decimal : 0	<input checked="" type="checkbox"/>

## PATCH SpectacleLens(ID)

Same as Put except only the updated properties need to be supplied.

### Validation

The API will validate the following on Post, Put or Patch

Values for all properties that cannot be Null are supplied

Value for ADDONS\_INPUT.ID is supplied when ADDONS\_INPUT.OPERATION is 'U' or 'D'

Value for ADDONS\_INPUT.SPECLENS\_ADDON\_DESCRIPTION\_ID is supplied when ADDONS\_INPUT.OPERATION is 'C'

Supplied values for CATEGORY\_IDENTIFIER, SUPPLIER\_IDENTIFIER, INSTITUTION\_IDENTIFIER, BRANCH\_INFO.BRANCH\_IDENTIFIER, ADDONS\_INPUT.ID and ADDONS\_INPUT.SPECLENS\_ADDON\_DESCRIPTION\_ID exist in Optomate Touch

Supplied values for STOCKGRIND (Spectacle Lens StockGrind), MATERIAL (Spectacle Lens Materials), LENSTYPE (Spectacle Lens Types), OPTILINKGROUP (Optilink Lens Groups) and ADDONS\_INPUT.OPERATION (Resource Operations - only 'C' for Post) are valid Static Reference values

## SPECTACLE LENS ADDONS

### GET SpectacleLensAddons(ID)

Gets a single Spectacle Lens Addon based on the specified ID.

### Output

Spectacle Lens Addon record.

Name	Type	Null
ID	Int64	<input checked="" type="checkbox"/>
DATE_ADDED	DateTimeOffset yyyy-MM-ddTHH:mm:ss.fffzzz	<input checked="" type="checkbox"/>
USER_ADDED	String (20)	<input checked="" type="checkbox"/>
DATE_EDITED	DateTimeOffset yyyy-MM-ddTHH:mm:ss.fffzzz	<input checked="" type="checkbox"/>
USER_EDITED	String (20)	<input checked="" type="checkbox"/>
BARCODE	String (20)	<input checked="" type="checkbox"/>
SINGLE_HEALTH_FUND	String (5)	<input checked="" type="checkbox"/>
MULTI_HEALTH_FUND	String (5)	<input checked="" type="checkbox"/>
DESCRIPTION	String (100)	<input checked="" type="checkbox"/>
ACCOUNT_DESCRIPTION	String (100)	<input checked="" type="checkbox"/>

ACCOUNT_BENEFITS	String (100)	<input checked="" type="checkbox"/>
SUPPLIER_STOCK_CODE	String (50)	<input checked="" type="checkbox"/>
IS_GST	Boolean	<input type="checkbox"/>
CATEGORY_IDENTIFIER	String (20)	<input type="checkbox"/>
SUPPLIER_IDENTIFIER	String (20)	<input type="checkbox"/>
INSTITUTION_IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
NOTES	String (4000)	<input checked="" type="checkbox"/>
VISUSTORE_COMMERCIAL_CODE	String (20)	<input checked="" type="checkbox"/>
VISUSTORE_COATING_TYPE	String (20)	<input checked="" type="checkbox"/>
WINLIX_CODE	String (20)	<input checked="" type="checkbox"/>
CR_SURFACING_PRODUCTCODE	String (20)	<input checked="" type="checkbox"/>
BRANCH_INFOS	Collection (Spectacle Lens Addon Branch)	<input type="checkbox"/>

## SPECTACLE LENS ADDON BRANCH

Name	Type	Null
ID	Int64	<input type="checkbox"/>
BRANCH_IDENTIFIER	String (20)	<input type="checkbox"/>
COSTINC	Decimal	<input type="checkbox"/>
COSTEX	Decimal	<input type="checkbox"/>
SELLINC	Decimal	<input type="checkbox"/>
MEMBER_SELLINC	Decimal	<input type="checkbox"/>
INACTIVE	Boolean	<input type="checkbox"/>
FAVOURITE	Boolean	<input type="checkbox"/>

## GET SpectacleLensAddons

Gets all Spectacle Lens Addons in Optomate Touch.

### Output

A Collection of Spectacle Lens Addon records.

## POST SpectacleLensAddon

Creates a Spectacle Lens Addon in Optomate Touch. The supplied values for BRANCH\_INFO\_INPUT will be used to create the related data for each Branch.

### Input

Name	Type : Default	Null
BARCODE	String (20)	<input type="checkbox"/>
SINGLE_HEALTH_FUND	String (5)	<input checked="" type="checkbox"/>
MULTI_HEALTH_FUND	String (5)	<input checked="" type="checkbox"/>
DESCRIPTION	String (100)	<input type="checkbox"/>
ACCOUNT_DESCRIPTION	String (100)	<input checked="" type="checkbox"/>
ACCOUNT_BENEFITS	String (100)	<input checked="" type="checkbox"/>
SUPPLIER_STOCK_CODE	String (50)	<input checked="" type="checkbox"/>
IS_GST	Boolean : False	<input checked="" type="checkbox"/>
CATEGORY_IDENTIFIER	String (20)	<input type="checkbox"/>
SUPPLIER_IDENTIFIER	String (20)	<input type="checkbox"/>
INSTITUTION_IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
NOTES	String (4000)	<input checked="" type="checkbox"/>
VISUSTORE_COMMERCIAL_CODE	String (20)	<input checked="" type="checkbox"/>
VISUSTORE_COATING_TYPE	String (20)	<input checked="" type="checkbox"/>
WINLIX_CODE	String (20)	<input checked="" type="checkbox"/>

CR_SURFACING_PRODUCTCODE	String (20)	<input checked="" type="checkbox"/>
BRANCH_INFO	Spectacle Lens Addon Branch	<input checked="" type="checkbox"/>

### SPECTACLE LENS ADDON BRANCH

Name	Type : Default	Null
COSTINC	Decimal : 0	<input checked="" type="checkbox"/>
COSTEX	Decimal : 0	<input checked="" type="checkbox"/>
SELLINC	Decimal : 0	<input checked="" type="checkbox"/>
INACTIVE	Boolean : false	<input checked="" type="checkbox"/>
FAVOURITE	Boolean : false	<input checked="" type="checkbox"/>

### PUT SpectacleLensAddon(ID)

Updates a Spectacle Lens Addon in Optomate Touch based on the specified ID. The supplied values for BRANCH\_INFO will update the related data for each Branch. If BRANCH\_IDENTIFIER is specified, then only that Branch related data will be updated.

#### Input

Name	Type : Default	Null
SINGLE_HEALTH_FUND	String (5)	<input checked="" type="checkbox"/>
MULTI_HEALTH_FUND	String (5)	<input checked="" type="checkbox"/>
DESCRIPTION	String (100)	<input type="checkbox"/>
ACCOUNT_DESCRIPTION	String (100)	<input checked="" type="checkbox"/>
ACCOUNT_BENEFITS	String (100)	<input checked="" type="checkbox"/>
SUPPLIER_STOCK_CODE	String (50)	<input checked="" type="checkbox"/>
IS_GST	Boolean : False	<input checked="" type="checkbox"/>
CATEGORY_IDENTIFIER	String (20)	<input type="checkbox"/>
SUPPLIER_IDENTIFIER	String (20)	<input type="checkbox"/>
INSTITUTION_IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
NOTES	String (4000)	<input checked="" type="checkbox"/>
VISUSTORE_COMMERCIAL_CODE	String (20)	<input checked="" type="checkbox"/>
VISUSTORE_COATING_TYPE	String (20)	<input checked="" type="checkbox"/>
WINLIX_CODE	String (20)	<input checked="" type="checkbox"/>
CR_SURFACING_PRODUCTCODE	String (20)	<input checked="" type="checkbox"/>
BRANCH_INFO	Spectacle Lens Addon Branch	<input checked="" type="checkbox"/>

### SPECTACLE LENS ADDON BRANCH

Name	Type : Default	Null
BRANCH_IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
COSTINC	Decimal : 0	<input checked="" type="checkbox"/>
COSTEX	Decimal : 0	<input checked="" type="checkbox"/>
SELLINC	Decimal : 0	<input checked="" type="checkbox"/>
INACTIVE	Boolean : false	<input checked="" type="checkbox"/>
FAVOURITE	Boolean : false	<input checked="" type="checkbox"/>

### PATCH SpectacleLensAddon(ID)

Same as Put except only the updated properties need to be supplied.

#### Validation

The API will validate the following on Post, Put or PATCH

Values for all properties that cannot be Null are supplied
Supplied value for BARCODE is a unique value that does not already exist in Optomate Touch for all stock items
Supplied values for CATEGORY_IDENTIFIER, SUPPLIER_IDENTIFIER, INSTITUTION_IDENTIFIER and BRANCH_INFO.BRANCH_IDENTIFIER exist in Optomate Touch
Supplied values for VISUSTORE_COATING_TYPE ('COLOR', 'UV', 'ANTIREFLEX', 'HARD', 'CLEAN') are valid values

## SPECTACLE LENS ADDONS DESCRIPTIONS

### GET SpectacleLensAddonsDescriptions(ID)

Gets a single Spectacle Lens Addons Description record based on the specified ID.

#### Output

Spectacle Lens Addons Description record.

Name	Type	Null
ID	Int64	<input type="checkbox"/>
SINGLE_HEALTH_FUND	String (3)	<input type="checkbox"/>
MULTI_HEALTH_FUND	String (3)	<input type="checkbox"/>
DESCRIPTION	String (200)	<input type="checkbox"/>

### GET SpectacleLensAddonsDescriptions

Gets all Spectacle Lens Addons Descriptions records in Optomate Touch.

#### OUTPUT

Collection of Spectacle Lens Addons Descriptions records.

## SPECTACLE LENS ORDERS

Has Read Conditions, see Security->Authorization->Read Conditions.

### GET SpectacleLensOrders(ID)

Gets a single Spectacle Lens Order based on the specified ID.

#### Output

Spectacle Lens Order record.

Name	Type	Null
ID	Int64	<input type="checkbox"/>
DATE_ADDED	DateTimeOffset <i>yyyy-MM-ddTHH:mm:ss.fffz</i>	<input type="checkbox"/>
USER_ADDED	String (20)	<input type="checkbox"/>
DATE_EDITED	DateTimeOffset <i>yyyy-MM-ddTHH:mm:ss.fffz</i>	<input checked="" type="checkbox"/>
USER_EDITED	String (20)	<input checked="" type="checkbox"/>
PATIENT_ID	Int64	<input type="checkbox"/>
ORDER_DATE	Date <i>yyyy-MM-dd</i>	<input type="checkbox"/>
REQUIRED_DATE	Date <i>yyyy-MM-dd</i>	<input checked="" type="checkbox"/>
ORDERED_DATE	Date <i>yyyy-MM-dd</i>	<input checked="" type="checkbox"/>
RECEIVED_DATE	Date <i>yyyy-MM-dd</i>	<input checked="" type="checkbox"/>
COLLECTED_DATE	Date <i>yyyy-MM-dd</i>	<input checked="" type="checkbox"/>

FOLLOWED_UP_DATE	Date <i>yyyy-MM-dd</i>	<input checked="" type="checkbox"/>
INVOICE_NUMBER	String (15)	<input checked="" type="checkbox"/>
REFERENCE	String (20)	<input checked="" type="checkbox"/>
WHEN_READY	String (1)	<input checked="" type="checkbox"/>
WHEN_READY_TEXT	String (200)	<input checked="" type="checkbox"/>
WARRANTY	String (1)	<input checked="" type="checkbox"/>
SUPPLIER_IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
RIGHT_LENS_BARCODE	String (20)	<input checked="" type="checkbox"/>
RIGHT_OPTCENTRE	Double	<input checked="" type="checkbox"/>
RIGHT_SEGHEIGHT	Double	<input checked="" type="checkbox"/>
RIGHT_DAB	String (1)	<input checked="" type="checkbox"/>
RIGHT_LENSTYPE	String (1)	<input checked="" type="checkbox"/>
RIGHT_STOCKGRIND	String (1)	<input checked="" type="checkbox"/>
RIGHT_FITORUNCUT	String (1)	<input checked="" type="checkbox"/>
LEFT_LENS_BARCODE	String (20)	<input checked="" type="checkbox"/>
LEFT_OPTCENTRE	Double	<input checked="" type="checkbox"/>
LEFT_SEGHEIGHT	Double	<input checked="" type="checkbox"/>
LEFT_DAB	String (1)	<input checked="" type="checkbox"/>
LEFT_LENSTYPE	String (1)	<input checked="" type="checkbox"/>
LEFT_STOCKGRIND	String (1)	<input checked="" type="checkbox"/>
LEFT_FITORUNCUT	String (1)	<input checked="" type="checkbox"/>
SPECFRAME_BARCODE	String (20)	<input checked="" type="checkbox"/>
IS_SUNGLASS_FRAME	Boolean	<input type="checkbox"/>
OWN_FRAME	Boolean	<input type="checkbox"/>
RIGHT_BVD	Double	<input type="checkbox"/>
LEFT_BVD	Double	<input type="checkbox"/>
RIGHT_PANTO	Double	<input type="checkbox"/>
LEFT_PANTO	Double	<input type="checkbox"/>
WRAP	Double	<input type="checkbox"/>
RXDATE	Date <i>yyyy-MM-dd</i>	<input checked="" type="checkbox"/>
EXPIRY_DATE	Date <i>yyyy-MM-dd</i>	<input checked="" type="checkbox"/>
DBL	Double	<input type="checkbox"/>
COMMENT	String (4000)	<input checked="" type="checkbox"/>
RIGHT_SPHERE	String (10)	<input checked="" type="checkbox"/>
LEFT_SPHERE	String (10)	<input checked="" type="checkbox"/>
RIGHT_CYLINDER	String (10)	<input checked="" type="checkbox"/>
LEFT_CYLINDER	String (10)	<input checked="" type="checkbox"/>
RIGHT_AXIS	String (10)	<input checked="" type="checkbox"/>
LEFT_AXIS	String (10)	<input checked="" type="checkbox"/>
RIGHT_ADD	String (10)	<input checked="" type="checkbox"/>
LEFT_ADD	String (10)	<input checked="" type="checkbox"/>
RIGHT_INTADD	String (10)	<input checked="" type="checkbox"/>
LEFT_INTADD	String (10)	<input checked="" type="checkbox"/>
RIGHT_PD	String (10)	<input checked="" type="checkbox"/>
LEFT_PD	String (10)	<input checked="" type="checkbox"/>
RIGHT_NEARPD	String (10)	<input checked="" type="checkbox"/>
LEFT_NEARPD	String (10)	<input checked="" type="checkbox"/>
RIGHT_HPRISM	String (10)	<input checked="" type="checkbox"/>
LEFT_HPRISM	String (10)	<input checked="" type="checkbox"/>
RIGHT_HPRISM_TYPE	String (10)	<input checked="" type="checkbox"/>
LEFT_HPRISM_TYPE	String (10)	<input checked="" type="checkbox"/>
RIGHT_VPRISM	String (10)	<input checked="" type="checkbox"/>
LEFT_VPRISM	String (10)	<input checked="" type="checkbox"/>
RIGHT_VPRISM_TYPE	String (10)	<input checked="" type="checkbox"/>
LEFT_VPRISM_TYPE	String (10)	<input checked="" type="checkbox"/>
ORDER_COMMENTS	String (4000)	<input checked="" type="checkbox"/>
PRACTICE_COMMENTS	String (4000)	<input checked="" type="checkbox"/>

LENSCOMMENT	String (100)	<input checked="" type="checkbox"/>
CORRIDOR_LENGTH	String (10)	<input checked="" type="checkbox"/>
FOCAL_RANGE	String (10)	<input checked="" type="checkbox"/>
BASE_CURVE	String (10)	<input checked="" type="checkbox"/>
READING_DISTANCE	Double	<input type="checkbox"/>
DOMINANT_EYE	String (1)	<input type="checkbox"/>
HEADEYE_COEFFICIENT	Double	<input type="checkbox"/>
STABILITY_COEFFICIENT	Double	<input type="checkbox"/>
PRINT_ON_CARD	Boolean	<input type="checkbox"/>
PRINT_ON_ORDER	Boolean	<input type="checkbox"/>
SPECLENS_TINT_BARCODE	String (20)	<input checked="" type="checkbox"/>
TINT_LAB_INHOUSE	String (1)	<input type="checkbox"/>
TINT_GRAD_UNIFORM	String (1)	<input type="checkbox"/>
TOP_PERCENT	Double	<input type="checkbox"/>
BOTTOM_PERCENT	Double	<input type="checkbox"/>
BRANCH_IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
DELIVERY_BRANCH	String (20)	<input checked="" type="checkbox"/>
DISPENSER_IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
ON_HOLD	Boolean	<input checked="" type="checkbox"/>
NVB	String (7)	<input checked="" type="checkbox"/>
LITERALITY	String (1)	<input type="checkbox"/>
RIGHT_VA	String (15)	<input checked="" type="checkbox"/>
LEFT_VA	String (15)	<input checked="" type="checkbox"/>
RIGHT_NVA	String (15)	<input checked="" type="checkbox"/>
LEFT_VA	String (15)	<input checked="" type="checkbox"/>
RIGHT_FITTING_HEIGHT	Double	<input type="checkbox"/>
LEFT_FITTING_HEIGHT	Double	<input type="checkbox"/>
ETA_DATE	Date <i>yyyy-MM-dd</i>	<input checked="" type="checkbox"/>
API_STATUS	String (100)	<input checked="" type="checkbox"/>
CANCELLED	Boolean	<input checked="" type="checkbox"/>
CANCELLED_REASON_ID	Int64	<input checked="" type="checkbox"/>
PATIENT_INVOICE_ID	Int64	<input checked="" type="checkbox"/>
ADDONS	Collection (Spectacle Lens Addon)	<input checked="" type="checkbox"/>

## SPECTACLE LENS ADDON

Name	Type	Null
ID	Int64	<input type="checkbox"/>
SPECLENS_ADDON_ID	Int64	<input type="checkbox"/>

## GET SpectacleLensOrders

Gets all Spectacle Lens Orders in Optomate Touch.

### Output

A Collection of Spectacle Lens Order records.

## POST SpectacleLensOrder

Creates a Spectacle Order in Optomate Touch.

## Input

Name	Type : Default	Null
PATIENT_ID	Int64	<input type="checkbox"/>
ORDER_DATE	Date <i>yyyy-MM-dd</i> : <Current Date>	<input checked="" type="checkbox"/>
REQUIRED_DATE	Date <i>yyyy-MM-dd</i>	<input checked="" type="checkbox"/>
ORDERED_DATE	Date <i>yyyy-MM-dd</i>	<input checked="" type="checkbox"/>
INVOICE_NUMBER	String (15)	<input checked="" type="checkbox"/>
REFERENCE	String (20)	<input checked="" type="checkbox"/>
WHEN_READY	String (1)	<input checked="" type="checkbox"/>
WHEN_READY_TEXT	String (200)	<input checked="" type="checkbox"/>
WARRANTY	String (1)	<input checked="" type="checkbox"/>
SUPPLIER_IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
RIGHT_LENS_BARCODE	String (20)	<input checked="" type="checkbox"/>
RIGHT_OPTCENTRE	Double : 0	<input checked="" type="checkbox"/>
RIGHT_SEGHEIGHT	Double : 0	<input checked="" type="checkbox"/>
RIGHT_DAB	String (1) : 'Q'	<input checked="" type="checkbox"/>
RIGHT_LENSTYPE	String (1) : Selected Right Lens LENSTYPE	<input checked="" type="checkbox"/>
RIGHT_STOCKGRIND	String (1) : Selected Right Lens STOCKGRIND	<input checked="" type="checkbox"/>
RIGHT_FITORUNCUT	String (1)	<input checked="" type="checkbox"/>
LEFT_LENS_BARCODE	String (20)	<input checked="" type="checkbox"/>
LEFT_OPTCENTRE	Double	<input checked="" type="checkbox"/>
LEFT_SEGHEIGHT	Double	<input checked="" type="checkbox"/>
LEFT_DAB	String (1) : 'Q'	<input checked="" type="checkbox"/>
LEFT_LENSTYPE	String (1) : Selected Left Lens LENSTYPE	<input checked="" type="checkbox"/>
LEFT_STOCKGRIND	String (1) : Selected Left Lens STOCKGRIND	<input checked="" type="checkbox"/>
LEFT_FITORUNCUT	String (1)	<input checked="" type="checkbox"/>
SPECFRAME_BARCODE	String (20)	<input checked="" type="checkbox"/>
IS_SUNGLASS_FRAME	Boolean : false	<input checked="" type="checkbox"/>
RIGHT_BVD	Double : 0	<input checked="" type="checkbox"/>
LEFT_BVD	Double : 0	<input checked="" type="checkbox"/>
RIGHT_PANTO	Double : 0	<input checked="" type="checkbox"/>
LEFT_PANTO	Double : 0	<input checked="" type="checkbox"/>
WRAP	Double : 0	<input checked="" type="checkbox"/>
RXDATE	Date <i>yyyy-MM-dd</i>	<input checked="" type="checkbox"/>
DBL	Double : 0	<input checked="" type="checkbox"/>
COMMENT	String (4000)	<input checked="" type="checkbox"/>
RIGHT_SPHERE	String (10)	<input checked="" type="checkbox"/>
LEFT_SPHERE	String (10)	<input checked="" type="checkbox"/>
RIGHT_CYLINDER	String (10)	<input checked="" type="checkbox"/>
LEFT_CYLINDER	String (10)	<input checked="" type="checkbox"/>
RIGHT_AXIS	String (10)	<input checked="" type="checkbox"/>
LEFT_AXIS	String (10)	<input checked="" type="checkbox"/>
RIGHT_ADD	String (10)	<input checked="" type="checkbox"/>
LEFT_ADD	String (10)	<input checked="" type="checkbox"/>
RIGHT_INTADD	String (10)	<input checked="" type="checkbox"/>
LEFT_INTADD	String (10)	<input checked="" type="checkbox"/>
RIGHT_PD	String (10)	<input checked="" type="checkbox"/>
LEFT_PD	String (10)	<input checked="" type="checkbox"/>
RIGHT_NEARPD	String (10)	<input checked="" type="checkbox"/>
LEFT_NEARPD	String (10)	<input checked="" type="checkbox"/>
RIGHT_HPRISM	String (10)	<input checked="" type="checkbox"/>
LEFT_HPRISM	String (10)	<input checked="" type="checkbox"/>
RIGHT_HPRISM_TYPE	String (10)	<input checked="" type="checkbox"/>
LEFT_HPRISM_TYPE	String (10)	<input checked="" type="checkbox"/>
RIGHT_VPRISM	String (10)	<input checked="" type="checkbox"/>
LEFT_VPRISM	String (10)	<input checked="" type="checkbox"/>

RIGHT_VPRISM_TYPE	String (10)	<input checked="" type="checkbox"/>
LEFT_VPRISM_TYPE	String (10)	<input checked="" type="checkbox"/>
ORDER_COMMENTS	String (4000)	<input checked="" type="checkbox"/>
PRACTICE_COMMENTS	String (4000)	<input checked="" type="checkbox"/>
LENSCOMMENT	String (100)	<input checked="" type="checkbox"/>
CORRIDOR_LENGTH	String (10)	<input checked="" type="checkbox"/>
FOCAL_RANGE	String (10)	<input checked="" type="checkbox"/>
BASE_CURVE	String (10)	<input checked="" type="checkbox"/>
READING_DISTANCE	Double : 0	<input checked="" type="checkbox"/>
DOMINANT_EYE	String (1) : 'Q'	<input checked="" type="checkbox"/>
HEADEYE_COEFFICIENT	Double : 0	<input checked="" type="checkbox"/>
STABILITY_COEFFICIENT	Double : 0	<input checked="" type="checkbox"/>
PRINT_ON_CARD	Boolean : false	<input checked="" type="checkbox"/>
PRINT_ON_ORDER	Boolean : false	<input checked="" type="checkbox"/>
SPECLENS_TINT_BARCODE	String (20)	<input checked="" type="checkbox"/>
TINT_LAB_INHOUSE	String (1) : 'Q'	<input checked="" type="checkbox"/>
TINT_GRAD_UNIFORM	String (1) : 'Q'	<input checked="" type="checkbox"/>
TOP_PERCENT	Double : 0	<input checked="" type="checkbox"/>
BOTTOM_PERCENT	Double : 0	<input checked="" type="checkbox"/>
BRANCH_IDENTIFIER	String (20)	<input type="checkbox"/>
DELIVERY_BRANCH	String (20)	<input type="checkbox"/>
DISPENSER_IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
NVB	String (7)	<input checked="" type="checkbox"/>
LITERALITY	String (1) : 'Q'	<input checked="" type="checkbox"/>
RIGHT_VA	String (15)	<input checked="" type="checkbox"/>
LEFT_VA	String (15)	<input checked="" type="checkbox"/>
RIGHT_NVA	String (15)	<input checked="" type="checkbox"/>
LEFT_VA	String (15)	<input checked="" type="checkbox"/>
RIGHT_FITTING_HEIGHT	Double	<input checked="" type="checkbox"/>
LEFT_FITTING_HEIGHT	Double	<input checked="" type="checkbox"/>
ETA_DATE	Date <i>yyyy-MM-dd</i>	<input checked="" type="checkbox"/>
API_STATUS	String (100)	<input checked="" type="checkbox"/>
ADDONS	Collection (Spectacle Lens Addon)	<input checked="" type="checkbox"/>

## SPECTACLE LENS ADDON

Name	Type : Default	Null
SPECLENS_ADDON_ID	Int64	<input type="checkbox"/>

## PATCH SpectacleLensOrder(ID)

Updates a Spectacle Lens Order in Optomate Touch based on the specified ID.

### Input

Name	Type : Default	Null
ETA_DATE	Date <i>yyyy-MM-dd</i>	<input checked="" type="checkbox"/>
ORDERED_DATE	Date <i>yyyy-MM-dd</i>	<input checked="" type="checkbox"/>
RECEIVED_DATE	Date <i>yyyy-MM-dd</i>	<input checked="" type="checkbox"/>
INVOICE_NUMBER	String (15)	<input checked="" type="checkbox"/>
WHEN_READY_TEXT	String (200)	<input checked="" type="checkbox"/>
API_STATUS	String (100)	<input checked="" type="checkbox"/>
CANCELLED	Boolean	<input checked="" type="checkbox"/>
CANCELLED_REASON_ID	Int64	<input checked="" type="checkbox"/>
PRACTICE_COMMENTS	String (4000)	<input checked="" type="checkbox"/>
RIGHT_SEGHEIGHT	Double	<input checked="" type="checkbox"/>

LEFT_SEGHEIGHT	Double	<input checked="" type="checkbox"/>
RIGHT_BVD	Double : 0	<input checked="" type="checkbox"/>
LEFT_BVD	Double : 0	<input checked="" type="checkbox"/>
RIGHT_PANTO	Double : 0	<input checked="" type="checkbox"/>
LEFT_PANTO	Double : 0	<input checked="" type="checkbox"/>
RIGHT_PD	String (10)	<input checked="" type="checkbox"/>
LEFT_PD	String (10)	<input checked="" type="checkbox"/>
RIGHT_NEARPD	String (10)	<input checked="" type="checkbox"/>
LEFT_NEARPD	String (10)	<input checked="" type="checkbox"/>
RIGHT_FITTING_HEIGHT	Double	<input checked="" type="checkbox"/>
LEFT_FITTING_HEIGHT	Double	<input checked="" type="checkbox"/>

## Validation

The API will validate the following on Post

Values for all properties that cannot be Null are supplied
RXDATE is a past date no older than 2 years
At least one of LEFT_LENS_BARCODE, RIGHT_LENS_BARCODE and SPECFRAME_BARCODE is supplied
Supplied values for PATIENT_ID, BRANCH_IDENTIFIER, DELIVERY_BRANCH, SUPPLIER_IDENTIFIER, LEFT_LENS_BARCODE, RIGHT_LENS_BARCODE, SPECFRAME_BARCODE, SPECLENS_TINT_BARCODE and ADDONS_INPUT.SPECLENS_ADDON_ID exist in Optomate Touch
Supplied values for WHEN_READY (When Ready Notification Types), WARRANTY (Warranty Types), LEFT_DAB, RIGHT_DAB (Both Spectacle Lens Dab), LITERALITY, DOMINANT_EYE (Eye Selections), TINT_LAB_INHOUSE (Spectacle Lens Lab/Inhouse), TINT_GRAD_UNIFORM (Spectacle Lens Tint Types), LEFT_LENSTYPE, RIGHT_LENSTYPE (Spectacle Lens Order Types), LEFT_STOCKGRIND, RIGHT_STOCKGRIND (Spectacle Lens Stock Grind), LEFT_FITORUNCUT, RIGHT_FITORUNCUT (Spectacle Lens Fit/Uncut), LEFT_HPRISM_TYPE, RIGHT_HPRISM_TYPE (H Prism Types), LEFT_VPRISM_TYPE and RIGHT_VPRISM_TYPE (V Prism Types) are valid Static Reference values
Supplied value for DISPENSER_IDENTIFIER is an active Optometrist or Dispenser in Optomate Touch

The API will validate the following on Patch

Value for CANCELLED_REASON_ID is supplied if CANCELLED is set to TRUE
Supplied value for CANCELLED_REASON_ID exists in Optomate Touch

## SPECTACLE LENS RXS

### GET SpectacleLensRxs(ID)

Gets a single Spectacle Lens Rx based on the specified ID.

### Output

Spectacle Lens Rx record.

Name	Type	Null
ID	Int64	<input checked="" type="checkbox"/>
DATE_ADDED	DateTimeOffset <i>yyyy-MM-ddTHH:mm:ss.fffzzz</i>	<input checked="" type="checkbox"/>
USER_ADDED	String (20)	<input checked="" type="checkbox"/>
DATE_EDITED	DateTimeOffset <i>yyyy-MM-ddTHH:mm:ss.fffzzz</i>	<input checked="" type="checkbox"/>
USER_EDITED	String (20)	<input checked="" type="checkbox"/>
PATIENT_ID	Int64	<input checked="" type="checkbox"/>
RXDATE	Date <i>yyyy-MM-dd</i>	<input checked="" type="checkbox"/>
EXPIRY_DATE	Date <i>yyyy-MM-dd</i>	<input checked="" type="checkbox"/>

COMMENT	String (4000)	<input checked="" type="checkbox"/>
RIGHT_SPHERE	String (10)	<input checked="" type="checkbox"/>
LEFT_SPHERE	String (10)	<input checked="" type="checkbox"/>
RIGHT_CYLINDER	String (10)	<input checked="" type="checkbox"/>
LEFT_CYLINDER	String (10)	<input checked="" type="checkbox"/>
RIGHT_AXIS	String (10)	<input checked="" type="checkbox"/>
LEFT_AXIS	String (10)	<input checked="" type="checkbox"/>
RIGHT_ADD	String (10)	<input checked="" type="checkbox"/>
LEFT_ADD	String (10)	<input checked="" type="checkbox"/>
RIGHT_INTADD	String (10)	<input checked="" type="checkbox"/>
LEFT_INTADD	String (10)	<input checked="" type="checkbox"/>
RIGHT_PD	String (10)	<input checked="" type="checkbox"/>
LEFT_PD	String (10)	<input checked="" type="checkbox"/>
RIGHT_NEARPD	String (10)	<input checked="" type="checkbox"/>
LEFT_NEARPD	String (10)	<input checked="" type="checkbox"/>
RIGHT_HPRISM	String (10)	<input checked="" type="checkbox"/>
LEFT_HPRISM	String (10)	<input checked="" type="checkbox"/>
RIGHT_HPRISM_TYPE	String (10)	<input checked="" type="checkbox"/>
LEFT_HPRISM_TYPE	String (10)	<input checked="" type="checkbox"/>
RIGHT_VPRISM	String (10)	<input checked="" type="checkbox"/>
LEFT_VPRISM	String (10)	<input checked="" type="checkbox"/>
RIGHT_VPRISM_TYPE	String (10)	<input checked="" type="checkbox"/>
LEFT_VPRISM_TYPE	String (10)	<input checked="" type="checkbox"/>
RIGHT_LENS_BARCODE	String (20)	<input checked="" type="checkbox"/>
RIGHT_LENS_DESCRIPTION	String (100)	<input checked="" type="checkbox"/>
LEFT_LENS_BARCODE	String (20)	<input checked="" type="checkbox"/>
LEFT_LENS_DESCRIPTION	String (100)	<input checked="" type="checkbox"/>
OPTOMETRIST_ID	Int64	<input type="checkbox"/>
BRANCH_IDENTIFIER	String (20)	<input type="checkbox"/>
RIGHT_EYE_ONLY	Boolean	<input type="checkbox"/>
LEFT_EYE_ONLY	Boolean	<input type="checkbox"/>
PRACTICE_COMMENT	String (4000)	<input checked="" type="checkbox"/>

### GET SpectacleLensRxs

Gets all Spectacle Lens Rxs in Optomate Touch.

#### Output

A Collection of Spectacle Lens Rxs records.

### POST SpectacleLensRx

Creates a Spectacle Lens Rx in Optomate Touch.

#### Input

Name	Type : Default	Null
PATIENT_ID	Int64	<input type="checkbox"/>
RXDATE	Date <i>yyyy-MM-dd</i>	<input type="checkbox"/>
EXPIRY_DATE	Date <i>yyyy-MM-dd</i>	<input type="checkbox"/>
COMMENT	String (4000)	<input checked="" type="checkbox"/>
RIGHT_SPHERE	String (10)	<input checked="" type="checkbox"/>
LEFT_SPHERE	String (10)	<input checked="" type="checkbox"/>
RIGHT_CYLINDER	String (10)	<input checked="" type="checkbox"/>
LEFT_CYLINDER	String (10)	<input checked="" type="checkbox"/>

RIGHT_AXIS	String (10)	<input checked="" type="checkbox"/>
LEFT_AXIS	String (10)	<input checked="" type="checkbox"/>
RIGHT_ADD	String (10)	<input checked="" type="checkbox"/>
LEFT_ADD	String (10)	<input checked="" type="checkbox"/>
RIGHT_INTADD	String (10)	<input checked="" type="checkbox"/>
LEFT_INTADD	String (10)	<input checked="" type="checkbox"/>
RIGHT_PD	String (10)	<input checked="" type="checkbox"/>
LEFT_PD	String (10)	<input checked="" type="checkbox"/>
RIGHT_NEARPD	String (10)	<input checked="" type="checkbox"/>
LEFT_NEARPD	String (10)	<input checked="" type="checkbox"/>
RIGHT_HPRISM	String (10)	<input checked="" type="checkbox"/>
LEFT_HPRISM	String (10)	<input checked="" type="checkbox"/>
RIGHT_HPRISM_TYPE	String (10)	<input checked="" type="checkbox"/>
LEFT_HPRISM_TYPE	String (10)	<input checked="" type="checkbox"/>
RIGHT_VPRISM	String (10)	<input checked="" type="checkbox"/>
LEFT_VPRISM	String (10)	<input checked="" type="checkbox"/>
RIGHT_VPRISM_TYPE	String (10)	<input checked="" type="checkbox"/>
LEFT_VPRISM_TYPE	String (10)	<input checked="" type="checkbox"/>
RIGHT_LENS_BARCODE	String (20)	<input checked="" type="checkbox"/>
LEFT_LENS_BARCODE	String (20)	<input checked="" type="checkbox"/>
OPTOMETRIST_ID	Int64	<input type="checkbox"/>
BRANCH_IDENTIFIER	String (20)	<input type="checkbox"/>
RIGHT_EYE_ONLY	Boolean : False	<input checked="" type="checkbox"/>
LEFT_EYE_ONLY	Boolean : False	<input checked="" type="checkbox"/>
PRACTICE_COMMENT	String (4000)	<input checked="" type="checkbox"/>

### PATCH SpectacleLensRx (ID)

Updates a Spectacle Lens Rx in Optomate Touch based on the specified ID. If RIGHT\_EYE\_ONLY is set to true, LEFT\_PD and LEFT\_NEARPD will not be updated. Conversely if LEFT\_EYE\_ONLY is set to true, RIGHT\_PD and RIGHT\_NEARPD will not be updated.

#### Input

Name	Type : Default	Null
RIGHT_PD	String (10)	<input checked="" type="checkbox"/>
LEFT_PD	String (10)	<input checked="" type="checkbox"/>
RIGHT_NEARPD	String (10)	<input checked="" type="checkbox"/>
LEFT_NEARPD	String (10)	<input checked="" type="checkbox"/>

#### Validation

The API will validate the following on Post

Values for all properties that cannot be Null are supplied
EXPIRY_DATE cannot be older than RXDATE
Supplied values for PATIENT_ID, OPTOMETRIST_ID, BRANCH_IDENTIFIER, LEFT_LENS_BARCODE, RIGHT_LENS_BARCODE and LEFT_TINT_IDENTIFIER exist in Optomate Touch
Supplied values for LEFT_HPRISM_TYPE, RIGHT_HPRISM_TYPE (H Prism Types) and LEFT_VPRISM_TYPE, RIGHT_VPRISM_TYPE (V Prism Types) are valid Static Reference values
RIGHT_EYE_ONLY and LEFT_EYE_ONLY cannot both be TRUE

## SPECTACLE LENS TINTS

### GET SpectacleLensTints(ID)

Gets a single Spectacle Lens Tint based on the specified ID.

#### Output

Spectacle Lens Tint record.

Name	Type	Null
ID	Int64	<input type="checkbox"/>
DATE_ADDED	DateTimeOffset yyyy-MM-ddTHH:mm:ss.fffzzz	<input type="checkbox"/>
USER_ADDED	String (20)	<input type="checkbox"/>
DATE_EDITED	DateTimeOffset yyyy-MM-ddTHH:mm:ss.fffzzz	<input checked="" type="checkbox"/>
USER_EDITED	String (20)	<input checked="" type="checkbox"/>
BARCODE	String (20)	<input type="checkbox"/>
SINGLE_HEALTH_FUND	String (5)	<input checked="" type="checkbox"/>
MULTI_HEALTH_FUND	String (5)	<input checked="" type="checkbox"/>
DESCRIPTION	String (100)	<input type="checkbox"/>
ACCOUNT_DESCRIPTION	String (100)	<input checked="" type="checkbox"/>
SUPPLIER_STOCK_CODE	String (50)	<input checked="" type="checkbox"/>
IS_GST	Boolean	<input type="checkbox"/>
CATEGORY_IDENTIFIER	String (20)	<input type="checkbox"/>
SUPPLIER_IDENTIFIER	String (20)	<input type="checkbox"/>
INSTITUTION_IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
TYPE	String (1)	<input checked="" type="checkbox"/>
NOTES	String (4000)	<input checked="" type="checkbox"/>
VISUSTORE_COMMERCIAL_CODE	String (20)	<input checked="" type="checkbox"/>
WINLIX_CODE	String (20)	<input checked="" type="checkbox"/>
CR_SURFACING_PRODUCTCODE	String (20)	<input checked="" type="checkbox"/>
BRANCH_INFOS	Collection (Spectacle Lens Tint Branch)	<input type="checkbox"/>

## SPECTACLE LENS TINT BRANCH

Name	Type	Null
ID	Int64	<input type="checkbox"/>
BRANCH_IDENTIFIER	String (20)	<input type="checkbox"/>
COSTINC	Decimal	<input type="checkbox"/>
COSTEX	Decimal	<input type="checkbox"/>
SELLINC	Decimal	<input type="checkbox"/>
MEMBER_SELLINC	Decimal	<input type="checkbox"/>
INACTIVE	Boolean	<input type="checkbox"/>
FAVOURITE	Boolean	<input type="checkbox"/>

### GET SpectacleLensTints

Gets all Spectacle Lens Tints in Optomate Touch.

#### Output

A Collection of Spectacle Lens Tint records.

## POST SpectacleLensTint

Creates a Spectacle Lens Tint in Optomate Touch. The supplied values for BRANCH\_INFO\_INPUT will be used to create the related data for each Branch.

### Input

Name	Type : Default	Null
BARCODE	String (20)	<input type="checkbox"/>
SINGLE_HEALTH_FUND	String (5)	<input checked="" type="checkbox"/>
MULTI_HEALTH_FUND	String (5)	<input checked="" type="checkbox"/>
DESCRIPTION	String (100)	<input type="checkbox"/>
ACCOUNT_DESCRIPTION	String (100)	<input checked="" type="checkbox"/>
SUPPLIER_STOCK_CODE	String (50)	<input checked="" type="checkbox"/>
IS_GST	Boolean : False	<input checked="" type="checkbox"/>
CATEGORY_IDENTIFIER	String (20)	<input type="checkbox"/>
SUPPLIER_IDENTIFIER	String (20)	<input type="checkbox"/>
INSTITUTION_IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
TYPE	String (1)	<input checked="" type="checkbox"/>
NOTES	String (4000)	<input checked="" type="checkbox"/>
VISUSTORE_COMMERCIAL_CODE	String (20)	<input checked="" type="checkbox"/>
WINLINUX_CODE	String (20)	<input checked="" type="checkbox"/>
CR_SURFACING_PRODUCTCODE	String (20)	<input checked="" type="checkbox"/>
BRANCH_INFO	Spectacle Lens Tint Branch	<input checked="" type="checkbox"/>

## SPECTACLE LENS TINT BRANCH

Name	Type : Default	Null
COSTINC	Decimal : 0	<input checked="" type="checkbox"/>
COSTEX	Decimal : 0	<input checked="" type="checkbox"/>
SELLINC	Decimal : 0	<input checked="" type="checkbox"/>
INACTIVE	Boolean : false	<input checked="" type="checkbox"/>
FAVOURITE	Boolean : false	<input checked="" type="checkbox"/>

## PUT SpectacleLensTint(ID)

Updates a Spectacle Lens Tint in Optomate Touch based on the specified ID. The supplied values for BRANCH\_INFO will update the related data for each Branch. If BRANCH\_IDENTIFIER is specified, then only that Branch related data will be updated.

### Input

Name	Type : Default	Null
SINGLE_HEALTH_FUND	String (5)	<input checked="" type="checkbox"/>
MULTI_HEALTH_FUND	String (5)	<input checked="" type="checkbox"/>
DESCRIPTION	String (100)	<input type="checkbox"/>
ACCOUNT_DESCRIPTION	String (100)	<input checked="" type="checkbox"/>
SUPPLIER_STOCK_CODE	String (50)	<input checked="" type="checkbox"/>
IS_GST	Boolean : False	<input checked="" type="checkbox"/>
CATEGORY_IDENTIFIER	String (20)	<input type="checkbox"/>
SUPPLIER_IDENTIFIER	String (20)	<input type="checkbox"/>
INSTITUTION_IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
TYPE	String (1)	<input checked="" type="checkbox"/>
NOTES	String (4000)	<input checked="" type="checkbox"/>
VISUSTORE_COMMERCIAL_CODE	String (20)	<input checked="" type="checkbox"/>
WINLINUX_CODE	String (20)	<input checked="" type="checkbox"/>

CR_SURFACING_PRODUCTCODE	String (20)	<input checked="" type="checkbox"/>
BRANCH_INFO	Spectacle Lens Tint Branch	<input checked="" type="checkbox"/>

## SPECTACLE LENS TINT BRANCH

Name	Type : Default	Null
BRANCH_IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
COSTINC	Decimal : 0	<input checked="" type="checkbox"/>
COSTEX	Decimal : 0	<input checked="" type="checkbox"/>
SELLINC	Decimal : 0	<input checked="" type="checkbox"/>
INACTIVE	Boolean : false	<input checked="" type="checkbox"/>
FAVOURITE	Boolean : false	<input checked="" type="checkbox"/>

## PATCH SpectacleLensTint(ID)

Same as Put except only the USER and the updated properties need to be supplied.

### Validation

The API will validate the following on Post, Put or Patch

Values for all properties that cannot be Null are supplied
Supplied value for BARCODE is a unique value that does not already exist in Optomate Touch for all stock items
Supplied values for CATEGORY_IDENTIFIER, SUPPLIER_IDENTIFIER, INSTITUTION_IDENTIFIER and BRANCH_INFO.BRANCH_IDENTIFIER exist in Optomate Touch
Supplied values for TYPE (Spectacle Lens Tint Types) are valid Static Reference values

## STATIC REFERENCE

### GET StaticReference

Gets a single record showing basic API information.

### Output

Static Reference record.

Name	Format	Null
NAME	String (20)	<input checked="" type="checkbox"/>
PUBLISHER	String (25)	<input checked="" type="checkbox"/>
MIN_OT_VERSION	String (25)	<input checked="" type="checkbox"/>
API_VERSION	String (10)	<input checked="" type="checkbox"/>
OT_VERSION	String (25)	<input checked="" type="checkbox"/>

## STATIC REFERENCE CODE

### GET StaticReferenceCode(CODE)/<Resource>

Gets a single record for the requested resource based on the specified CODE.

## Resources

Name	Output Type
ContactLensFrequencies	Static Reference Code
GetContactLensMono	Static Reference Code
GetContactLensOrderTypes	Static Reference Code
ContactMethods	Static Reference Contact Method
EyeSelections	Static Reference Code
HPrismTypes	Static Reference Code
MeasureHml	Static Reference Code
OptilinkLensGroups	Static Reference Code
PaymentTypes	Static Reference Payment Type
PersonGender	Static Reference Code
PurchaseOrderStatuses	Static Reference Code
ResourceOperations	Static Reference Code
SpectacleLensDab	Static Reference Code
SpectacleLensFitUncut	Static Reference Code
SpectacleLensLabInhouse	Static Reference Code
SpectacleLensMaterials	Static Reference Code
SpectacleLensOrderTypes	Static Reference Code
SpectacleLensStockGrind	Static Reference Code
SpectacleLensTintTypes	Static Reference Code
SpectacleLensTypes	Static Reference Code
StockItemGender	Static Reference Code
StockItemStatuses	Static Reference Code
VPrismTypes	Static Reference Code
WarrantyTypes	Static Reference Code
WhenReadyNotificationTypes	Static Reference Code

## Output

Static Reference Code record.

Name	Format	Null
CODE	String (20)	<input checked="" type="checkbox"/>
NAME	String (100)	<input checked="" type="checkbox"/>

Static Reference Contact Method record.

Name	Format	Null
CODE	String (20)	<input checked="" type="checkbox"/>
NAME	String (100)	<input checked="" type="checkbox"/>
IS_RECALLINT	Boolean	<input checked="" type="checkbox"/>
IS_RECALLSUB	Boolean	<input checked="" type="checkbox"/>
IS_ORDERCOLL	Boolean	<input checked="" type="checkbox"/>
IS_APPOINTMENTS	Boolean	<input checked="" type="checkbox"/>
IS_MARKETING	Boolean	<input checked="" type="checkbox"/>
IS_TELEPHONE	Boolean	<input checked="" type="checkbox"/>

Static Reference Payment Type record.

Name	Format	Null
CODE	String (20)	<input checked="" type="checkbox"/>
NAME	String (100)	<input checked="" type="checkbox"/>
IS_INSTITUTION_PAYMENT	Boolean	<input checked="" type="checkbox"/>

### GET StaticReferenceCode('\*')/<Resource>

Gets all records for the requested resource.

#### Output

Collection of Static Reference Code records.

### STATIC REFERENCE ID

### GET StaticReferenceId(ID)/<Resource>

Gets a single record for the requested resource based on the specified ID.

#### Resources

Name	Output Type
AppointmentStatuses	Static Reference Id
ArrivalTypes	Static Reference Id
InventoryMovementTypes	Static Reference Id
InvoiceTypes	Static Reference Id
OrderTypes	Static Reference Id
ReceiptTypes	Static Reference Id
SmsTypes	Static Reference Id
SoftwareTypes	Static Reference Id
StockTypes	Static Reference Stock Type
SunglassesUvRating	Static Reference Id
UserTypes	Static Reference Id

#### Output

Static Reference Id record.

Name	Format	Null
ID	Int32	<input checked="" type="checkbox"/>
NAME	String (100)	<input checked="" type="checkbox"/>

Static Reference Stock Type record.

Name	Format	Null
ID	Int32	<input checked="" type="checkbox"/>
NAME	String (100)	<input checked="" type="checkbox"/>
BARCODE_QUEUE	Boolean	<input checked="" type="checkbox"/>

### GET StaticReferenceId(-1)/<Resource>

Gets all records for the requested resource.

#### Output

Collection of Static Reference Id records.

## SUNGLASSES

### GET Sunglasses(ID)

Gets a single Sunglasses record based on the specified ID.

#### Output

Sunglasses record.

Name	Type	Null
ID	Int64	<input type="checkbox"/>
DATE_ADDED	DateTimeOffset yyyy-MM-ddTHH:mm:ss.fffzzz	<input type="checkbox"/>
USER_ADDED	String (20)	<input type="checkbox"/>
DATE_EDITED	DateTimeOffset yyyy-MM-ddTHH:mm:ss.fffzzz	<input checked="" type="checkbox"/>
USER_EDITED	String (20)	<input checked="" type="checkbox"/>
BARCODE	String (20)	<input type="checkbox"/>
HEALTH_FUND	String (5)	<input checked="" type="checkbox"/>
MODEL	String (20)	<input checked="" type="checkbox"/>
COLOUR_CODE	String (15)	<input checked="" type="checkbox"/>
COLOUR_DESCRIPTION	String (70)	<input checked="" type="checkbox"/>
SIZE	Double	<input type="checkbox"/>
DESCRIPTION	String (100)	<input type="checkbox"/>
DEPTH	Double	<input type="checkbox"/>
DIAG	Double	<input type="checkbox"/>
TEMPLE	Double	<input type="checkbox"/>
NOTES	String (4000)	<input checked="" type="checkbox"/>
SUPPLIER_STOCK_CODE	String (50)	<input checked="" type="checkbox"/>
WEB_ADDRESS	String (250)	<input checked="" type="checkbox"/>
GENDER_CODE	String (1)	<input type="checkbox"/>
STATUS	String (1)	<input type="checkbox"/>
IS_GST	Boolean	<input type="checkbox"/>
SERIALNUMBER	String (40)	<input checked="" type="checkbox"/>
BRAND_IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
ACCOUNT_DESCRIPTION	String (100)	<input checked="" type="checkbox"/>
MATERIAL_IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
CATEGORY_IDENTIFIER	String (20)	<input type="checkbox"/>
SUPPLIER_IDENTIFIER	String (20)	<input type="checkbox"/>
INSTITUTION_IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
CONSTRUCTION_IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
UVRATING	Int32	<input checked="" type="checkbox"/>
RX	Boolean	<input type="checkbox"/>
BRANCH_INFOS	Collection (Sunglasses Branch Info)	<input type="checkbox"/>

### SUNGLASSES BRANCH INFO

Name	Type	Null
ID	Int64	<input type="checkbox"/>
BRANCH_IDENTIFIER	String (20)	<input type="checkbox"/>
COSTINC	Decimal	<input type="checkbox"/>
COSTEX	Decimal	<input type="checkbox"/>
SELLINC	Decimal	<input type="checkbox"/>
MEMBER_SELLINC	Decimal	<input type="checkbox"/>
LISTPRICEEX	Decimal	<input type="checkbox"/>
RRPINC	Decimal	<input type="checkbox"/>
QOH	Int64	<input type="checkbox"/>

ON_LOAN	Int64	<input checked="" type="checkbox"/>
REORDER_LEVEL	Int64	<input type="checkbox"/>
REORDER_QUANTITY	Number	<input type="checkbox"/>
CONSIGNMENT	Boolean	<input type="checkbox"/>
DISPLAY	Boolean	<input type="checkbox"/>
INVENTORY	Boolean	<input type="checkbox"/>
FAVOURITE	Boolean	<input type="checkbox"/>

### GET Sunglasses

Gets all Sunglasses from Optomate Touch.

#### Output

A Collection of Sunglasses records.

### POST Sunglass

Creates a Sunglasses record in Optomate Touch. The supplied values for BRANCH\_INFO will be used to create the related data for each Branch.

#### Input

Name	Type : Default	Null
BARCODE	String (20)	<input type="checkbox"/>
HEALTH_FUND	String (5)	<input checked="" type="checkbox"/>
MODEL	String (20)	<input checked="" type="checkbox"/>
COLOUR_CODE	String (15)	<input checked="" type="checkbox"/>
COLOUR_DESCRIPTION	String (70)	<input checked="" type="checkbox"/>
SIZE	Double : 0	<input checked="" type="checkbox"/>
DESCRIPTION	String (100)	<input type="checkbox"/>
DEPTH	Double : 0	<input checked="" type="checkbox"/>
DIAG	Double : 0	<input checked="" type="checkbox"/>
TEMPLE	Double : 0	<input checked="" type="checkbox"/>
NOTES	String (4000)	<input checked="" type="checkbox"/>
SUPPLIER_STOCK_CODE	String (50)	<input checked="" type="checkbox"/>
WEB_ADDRESS	String (250)	<input checked="" type="checkbox"/>
GENDER_CODE	String (1)	<input type="checkbox"/>
STATUS	String (1)	<input type="checkbox"/>
IS_GST	Boolean : false	<input checked="" type="checkbox"/>
SERIALNUMBER	String (40)	<input checked="" type="checkbox"/>
BRAND_IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
ACCOUNT_DESCRIPTION	String (100)	<input checked="" type="checkbox"/>
MATERIAL_IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
CATEGORY_IDENTIFIER	String (20)	<input type="checkbox"/>
SUPPLIER_IDENTIFIER	String (20)	<input type="checkbox"/>
INSTITUTION_IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
CONSTRUCTION_IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
UVRATING	Int32	<input checked="" type="checkbox"/>
RX	Boolean : false	<input checked="" type="checkbox"/>
BRANCH_INFO	Sunglasses Branch	<input checked="" type="checkbox"/>

## SUNGLASSES BRANCH

Name	Type : Default	Null
COSTINC	Decimal : 0	<input checked="" type="checkbox"/>
COSTEX	Decimal : 0	<input checked="" type="checkbox"/>
SELLINC	Decimal : 0	<input checked="" type="checkbox"/>
LISTPRICEEX	Decimal : 0	<input checked="" type="checkbox"/>
RRPINC	Decimal : 0	<input checked="" type="checkbox"/>
QOH	Int64 : 0	<input checked="" type="checkbox"/>
ON_LOAN	Int64	<input checked="" type="checkbox"/>
REORDER_LEVEL	Int64 : 0	<input checked="" type="checkbox"/>
REORDER_QUANTITY	Int64 : 0	<input checked="" type="checkbox"/>
CONSIGNMENT	Boolean : false	<input checked="" type="checkbox"/>
DISPLAY	Boolean : false	<input checked="" type="checkbox"/>
INVENTORY	Boolean : false	<input checked="" type="checkbox"/>
FAVOURITE	Boolean : false	<input checked="" type="checkbox"/>



The value for QOH will be set to 0 if INVENTORY is not set to true.

## PUT Sunglass(ID)

Updates a Sunglasses record in Optomate Touch based on the specified ID. The supplied values for BRANCH\_INFO will update the related data for each Branch. If BRANCH\_IDENTIFIER is specified, then only that Branch related data will be updated.

### Input

Name	Type : Default	Null
HEALTH_FUND	String (5)	<input checked="" type="checkbox"/>
MODEL	String (20)	<input checked="" type="checkbox"/>
COLOUR_CODE	String (15)	<input checked="" type="checkbox"/>
COLOUR_DESCRIPTION	String (70)	<input checked="" type="checkbox"/>
SIZE	Double : 0	<input checked="" type="checkbox"/>
DESCRIPTION	String (100)	<input type="checkbox"/>
DEPTH	Double : 0	<input checked="" type="checkbox"/>
DIAG	Double : 0	<input checked="" type="checkbox"/>
TEMPLE	Double : 0	<input checked="" type="checkbox"/>
NOTES	String (4000)	<input checked="" type="checkbox"/>
SUPPLIER_STOCK_CODE	String (50)	<input checked="" type="checkbox"/>
WEB_ADDRESS	String (250)	<input checked="" type="checkbox"/>
GENDER_CODE	String (1)	<input type="checkbox"/>
STATUS	String (1)	<input type="checkbox"/>
IS_GST	Boolean : false	<input checked="" type="checkbox"/>
SERIALNUMBER	String (40)	<input checked="" type="checkbox"/>
BRAND_IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
ACCOUNT_DESCRIPTION	String (100)	<input checked="" type="checkbox"/>
MATERIAL_IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
CATEGORY_IDENTIFIER	String (20)	<input type="checkbox"/>
SUPPLIER_IDENTIFIER	String (20)	<input type="checkbox"/>
INSTITUTION_IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
CONSTRUCTION_IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
UVRATING	Int32	<input checked="" type="checkbox"/>

RX	Boolean : false	<input checked="" type="checkbox"/>
BRANCH_INFO	Sunglasses Branch	<input checked="" type="checkbox"/>

## SUNGLASSES BRANCH

Name	Type : Default	Null
BRANCH_IDENTIFIER	String (20)	<input checked="" type="checkbox"/>
COSTINC	Decimal : 0	<input checked="" type="checkbox"/>
COSTEX	Decimal : 0	<input checked="" type="checkbox"/>
SELLINC	Decimal : 0	<input checked="" type="checkbox"/>
LISTPRICEEX	Decimal : 0	<input checked="" type="checkbox"/>
RRPINC	Decimal : 0	<input checked="" type="checkbox"/>
QOH	Int64 : 0	<input checked="" type="checkbox"/>
CONSIGNMENT	Boolean : false	<input checked="" type="checkbox"/>
DISPLAY	Boolean : false	<input checked="" type="checkbox"/>
INVENTORY	Boolean : false	<input checked="" type="checkbox"/>
FAVOURITE	Boolean : false	<input checked="" type="checkbox"/>

## PATCH Sunglass(ID)

Same as Put except only the updated properties need to be supplied.

### Validation

The API will validate the following on Post, Put or Patch

Values for all properties that cannot be Null are supplied
Supplied value for BARCODE is a unique value that does not already exist in Optomate Touch for all stock items
Supplied values for CATEGORY_IDENTIFIER, SUPPLIER_IDENTIFIER, MATERIAL_IDENTIFIER, CONSTRUCTION_IDENTIFIER, BRAND_IDENTIFIER, INSTITUTION_IDENTIFIER and BRANCH_INFO.BRANCH_IDENTIFIER exist in Optomate Touch
Supplied values for GENDER (Stock Item Gender), STATUS (Stock Item Statuses) and UVRATING (Sunglasses Uv Rating) are valid Static Reference values

## SUPPLIERS

### GET Suppliers(ID)

Gets a single Supplier based on the specified ID.

### Output

Supplier record.

Name	Type	Null
ID	Int64	<input checked="" type="checkbox"/>
DATE_ADDED	DateTimeOffset <i>yyyy-MM-ddTHH:mm:ss.fffzzz</i>	<input checked="" type="checkbox"/>
USER_ADDED	String (20)	<input checked="" type="checkbox"/>
DATE_EDITED	DateTimeOffset <i>yyyy-MM-ddTHH:mm:ss.fffzzz</i>	<input checked="" type="checkbox"/>
USER_EDITED	String (20)	<input checked="" type="checkbox"/>
IDENTIFIER	String (10)	<input checked="" type="checkbox"/>
NAME	String (50)	<input checked="" type="checkbox"/>
ADDRESS	String (100)	<input checked="" type="checkbox"/>
SUBURB	String (25)	<input checked="" type="checkbox"/>
STATE	String (100)	<input checked="" type="checkbox"/>

POSTCODE	String (10)	<input checked="" type="checkbox"/>
CONTACT	String (25)	<input checked="" type="checkbox"/>
TELEPHONE1	String (15)	<input checked="" type="checkbox"/>
TELEPHONE2	String (15)	<input checked="" type="checkbox"/>
FAX	String (15)	<input checked="" type="checkbox"/>
GENERAL_EMAIL	String (100)	<input checked="" type="checkbox"/>
ORDER_EMAIL	String (100)	<input checked="" type="checkbox"/>
ABN	String (15)	<input checked="" type="checkbox"/>
GENERAL_WEB	String (300)	<input checked="" type="checkbox"/>
ORDER_WEB	String (300)	<input checked="" type="checkbox"/>

### GET Suppliers(ID)/SupplierReps

Gets all related Supplier Reps for a Supplier based on the specified ID.

#### Output

Collection of Supplier Rep records.

### GET Suppliers

Gets all Suppliers in Optomate Touch.

#### Output

A Collection of Supplier records.

### POST Supplier

Creates a Supplier in Optomate Touch.

#### Input

Name	Type	Null
IDENTIFIER	String (10)	<input type="checkbox"/>
NAME	String (50)	<input type="checkbox"/>
ADDRESS	String (100)	<input checked="" type="checkbox"/>
SUBURB	String (25)	<input checked="" type="checkbox"/>
STATE	String (100)	<input checked="" type="checkbox"/>
POSTCODE	String (10)	<input checked="" type="checkbox"/>
CONTACT	String (25)	<input checked="" type="checkbox"/>
TELEPHONE1	String (15)	<input checked="" type="checkbox"/>
TELEPHONE2	String (15)	<input checked="" type="checkbox"/>
FAX	String (15)	<input checked="" type="checkbox"/>
GENERAL_EMAIL	String (100)	<input checked="" type="checkbox"/>
ORDER_EMAIL	String (100)	<input checked="" type="checkbox"/>
ABN	String (15)	<input checked="" type="checkbox"/>
GENERAL_WEB	String (300)	<input checked="" type="checkbox"/>
ORDER_WEB	String (300)	<input checked="" type="checkbox"/>

### PUT Supplier(ID)

Updates a Supplier in Optomate Touch based on the specified ID.

## Input

Name	Type	Null
NAME	String (50)	<input type="checkbox"/>
ADDRESS	String (100)	<input checked="" type="checkbox"/>
SUBURB	String (25)	<input checked="" type="checkbox"/>
STATE	String (100)	<input checked="" type="checkbox"/>
POSTCODE	String (10)	<input checked="" type="checkbox"/>
CONTACT	String (25)	<input checked="" type="checkbox"/>
TELEPHONE1	String (15)	<input checked="" type="checkbox"/>
TELEPHONE2	String (15)	<input checked="" type="checkbox"/>
FAX	String (15)	<input checked="" type="checkbox"/>
GENERAL_EMAIL	String (100)	<input checked="" type="checkbox"/>
ORDER_EMAIL	String (100)	<input checked="" type="checkbox"/>
ABN	String (15)	<input checked="" type="checkbox"/>
GENERAL_WEB	String (300)	<input checked="" type="checkbox"/>
ORDER_WEB	String (300)	<input checked="" type="checkbox"/>

## PATCH Supplier(ID)

Same as Put except only the updated properties need to be supplied.

## Validation

The API will validate the following on Post, Put or Patch

Values for all properties that cannot be Null are supplied
--

For Post, supplied value for IDENTIFIER does not already exist in Optomate Touch
--

For Post, supplied value for IDENTIFIER is not more than 10 characters
--

## SUPPLIER REPS

### GET SupplierReps(ID)

Gets a single Supplier Rep based on the specified ID.

## Output

Supplier Rep record.

Name	Type	Null
ID	Int64	<input type="checkbox"/>
DATE_ADDED	DateTimeOffset <i>yyyy-MM-ddTHH:mm:ss.fffzzz</i>	<input type="checkbox"/>
USER_ADDED	String (20)	<input type="checkbox"/>
DATE_EDITED	DateTimeOffset <i>yyyy-MM-ddTHH:mm:ss.fffzzz</i>	<input checked="" type="checkbox"/>
USER_EDITED	String (20)	<input checked="" type="checkbox"/>
FIRST_NAME	String (30)	<input type="checkbox"/>
SURNAME	String (30)	<input checked="" type="checkbox"/>
PHONE	String (30)	<input checked="" type="checkbox"/>
EMAIL	String (100)	<input checked="" type="checkbox"/>
RATING	Int32 (0-10)	<input checked="" type="checkbox"/>
SUPPLIER_ID	Int64	<input checked="" type="checkbox"/>

### GET SupplierReps(ID)/Supplier

Gets a single Supplier record related to the Supplier Rep based on the specified ID.

#### Output

Supplier record.

### GET SupplierReps

Gets all Supplier Reps in Optomate Touch.

#### Output

A Collection of Supplier Rep records.

### POST SupplierRep

Creates a Supplier Rep in Optomate Touch.

#### Input

Name	Type	Null
FIRST_NAME	String (30)	<input type="checkbox"/>
SURNAME	String (30)	<input checked="" type="checkbox"/>
PHONE	String (30)	<input checked="" type="checkbox"/>
EMAIL	String (100)	<input checked="" type="checkbox"/>
RATING	Int32 (0-10)	<input checked="" type="checkbox"/>
SUPPLIER_ID	Int64	<input type="checkbox"/>

### PUT SupplierRep(ID)

Updates a Supplier Rep in Optomate Touch based on the specified ID.

#### Input

Name	Type	Null
FIRST_NAME	String (30)	<input type="checkbox"/>
SURNAME	String (30)	<input checked="" type="checkbox"/>
PHONE	String (30)	<input checked="" type="checkbox"/>
EMAIL	String (100)	<input checked="" type="checkbox"/>
RATING	Int32 (0-10)	<input checked="" type="checkbox"/>

### PATCH SupplierRep(ID)

Same as Put except only the updated properties need to be supplied.

#### Validation

The API will validate the following on Post, Put or Patch

Values for all properties that cannot be Null are supplied
For Post, the supplied value for SUPPLIER_ID exists in Optomate Touch
Supplied value for RATING is between 0-10

## USERS

### GET Users(ID)

Gets a single User based on the specified ID.

#### Output

User record.

Name	Type	Null
ID	Int64	<input type="checkbox"/>
DATE_ADDED	DateTimeOffset yyyy-MM-ddTHH:mm:ss.fffzzz	<input type="checkbox"/>
USER_ADDED	String (20)	<input type="checkbox"/>
DATE_EDITED	DateTimeOffset yyyy-MM-ddTHH:mm:ss.fffzzz	<input checked="" type="checkbox"/>
USER_EDITED	String (20)	<input checked="" type="checkbox"/>
IDENTIFIER	String (10)	<input type="checkbox"/>
GIVEN_NAME	String (100)	<input type="checkbox"/>
SURNAME	String (200)	<input type="checkbox"/>
INACTIVE	Boolean	<input type="checkbox"/>
USER_TYPE	Int32	<input type="checkbox"/>
IS_ADMINISTRATOR	Boolean	<input type="checkbox"/>
USERNAME	String (50)	<input type="checkbox"/>
EMAIL_ADDRESS	String (200)	<input checked="" type="checkbox"/>
USE_APPBOOK	Boolean	<input type="checkbox"/>
IS_ROAMING_USER	Boolean	<input type="checkbox"/>
EXTERNAL_USER_ID	String (80)	<input checked="" type="checkbox"/>

### GET Users

Gets all Users in Optomate Touch.

#### Output

A Collection of User records.

### POST User

Creates a User in Optomate Touch.

#### Input

Name	Type : Default	Null
IDENTIFIER	String (10)	<input type="checkbox"/>
GIVEN_NAME	String (100)	<input type="checkbox"/>
SURNAME	String (200)	<input type="checkbox"/>
INACTIVE	Boolean : false	<input checked="" type="checkbox"/>
USER_TYPE	Int32	<input type="checkbox"/>
IS_ADMINISTRATOR	Boolean : false	<input checked="" type="checkbox"/>
USERNAME	String (50)	<input type="checkbox"/>
PASSWORD	String (100)	<input type="checkbox"/>
EMAIL_ADDRESS	String (200)	<input checked="" type="checkbox"/>
USE_APPBOOK	Boolean : false	<input checked="" type="checkbox"/>
IS_ROAMING_USER	Boolean : false	<input checked="" type="checkbox"/>
EXTERNAL_USER_ID	String (80)	<input checked="" type="checkbox"/>

## PATCH User(ID)

Updates a User in Optomate Touch based on the specified ID.

### Input

Name	Type	Null
GIVEN_NAME	String (100)	<input type="checkbox"/>
SURNAME	String (200)	<input type="checkbox"/>
INACTIVE	Boolean	<input checked="" type="checkbox"/>
USER_TYPE	Int32	<input type="checkbox"/>
IS_ADMINISTRATOR	Boolean	<input checked="" type="checkbox"/>
PASSWORD	String (100)	<input checked="" type="checkbox"/>
EMAIL_ADDRESS	String (200)	<input checked="" type="checkbox"/>
USE_APPBOOK	Boolean	<input checked="" type="checkbox"/>
IS_ROAMING_USER	Boolean	<input checked="" type="checkbox"/>
EXTERNAL_USER_ID	String (80)	<input checked="" type="checkbox"/>

### Validation

The API will validate the following on Post or Patch

Values for all properties that cannot be Null are supplied
--

For Post, the supplied value for IDENTIFIER and USERNAME do not exist in Optomate Touch
---

Supplied values for USER_TYPE (User Types) are valid Static Reference Id values
---

## VOUCHER TYPES

### GET VoucherTypes(ID)

Gets a single Voucher Type based on the specified ID.

### Output

Frame Material record.

Name	Type	Null
ID	Int64	<input type="checkbox"/>
VOUCHER_TYPE	String (100)	<input type="checkbox"/>
AMOUNT	Decimal	<input type="checkbox"/>
EXPIRY_DATE	Date <i>yyyy-MM-dd</i>	<input checked="" type="checkbox"/>

### GET VoucherTypes

Gets all Voucher Types in Optomate Touch.

### OUTPUT

Collection of Voucher Type records.

## APPENDICES

### APPENDIX A: ODATA QUERY EXAMPLES

The “\$filter” query option would be the most useful query option that allows for selecting of sub-collections of resources based on a set of criteria.

For example, for Patients a filter with the DATE\_EDITED field can be applied to get a collection of patients that have been updated in a particular date range:

```
GET /Patients?$filter=DATE_EDITED gt 2018-09-08 and DATE_EDITED lt 2019-01-01
```

A filter predicate can be applied on any of the fields that are returned by the resource request. So for patients a search by gender and state can be performed by supplying the following \$filter query option:

```
GET /Patients?$filter=GENDER eq 'F' and RESIDENT_STATE eq 'WA'
```

Another useful OData query option is “\$select” to select the fields that you would like returned in the request instead of the whole resource model, so adding on the previous example:

```
GET /Patients?$filter=GENDER eq 'F' and RESIDENT_STATE eq 'WA'&$select=TITLE, GIVEN, SURNAME, BIRTHDATE
```

“\$orderby” will order the records by the specified field(s)

```
GET /Patients?$filter=GENDER eq 'F' and RESIDENT_STATE eq 'WA'&$select=TITLE, GIVEN, SURNAME, BIRTHDATE&$orderby=SURNAME desc, GIVEN
```

Any resource property of type record or Collection can be retrieved by using the OData **\$expand** query option.

```
GET /PurchaseOrders?$expand=ITEMS($select=STOCK_ITEM_ID,STOCK_TYPE_ID,QTY)
```

A count of resources in the returned results can be achieved by using the “\$count” query option:

```
GET /Patients?$filter=GENDER eq 'F' and RESIDENT_STATE eq 'WA'&$count=true
```

“\$apply” can be used for grouping of results:

```
GET /Patients?$apply=groupby((GENDER),aggregate(ID with countdistinct as Total))
```

### APPENDIX B: EXAMINATION DETAIL

Name	Type	Null
COMPLETED	Boolean	<input checked="" type="checkbox"/>
FINALISED	Boolean	<input checked="" type="checkbox"/>
RECALL_DONE	Boolean	<input checked="" type="checkbox"/>
REFERRAL_DONE	Boolean	<input checked="" type="checkbox"/>
COMPLAINT_NOTE	String (4000)	<input checked="" type="checkbox"/>
GENERAL_HEALTH_NOTE	String (4000)	<input checked="" type="checkbox"/>
PAST_OCULAR_HISTORY_NOTE	String (4000)	<input checked="" type="checkbox"/>
FAMILY_OCULAR_HISTORY_NOTE	String (4000)	<input checked="" type="checkbox"/>
DRIVES_WITH_RX	Boolean	<input checked="" type="checkbox"/>
DRIVES_WITHOUT_RX	Boolean	<input checked="" type="checkbox"/>
DOES_NOT_DRIVE	Boolean	<input checked="" type="checkbox"/>
CONSULTATION_ITEM_1	String (20)	<input checked="" type="checkbox"/>

CONSULTATION_ITEM_2	String (20)	<input checked="" type="checkbox"/>
CONSULTATION_ITEM_3	String (20)	<input checked="" type="checkbox"/>
CONSULTATION_ITEM_4	String (20)	<input checked="" type="checkbox"/>
CONSULTATION_ITEM_5	String (20)	<input checked="" type="checkbox"/>
CONSULTATION_ITEM_6	String (20)	<input checked="" type="checkbox"/>
PUPIL_NOTE	String (4000)	<input checked="" type="checkbox"/>
PERRLA	Boolean	<input checked="" type="checkbox"/>
NO_RAPD	Boolean	<input checked="" type="checkbox"/>
PERIMETRY_NOTE	String (4000)	<input checked="" type="checkbox"/>
ANTERIOR_NOTE	String (4000)	<input checked="" type="checkbox"/>
POSTERIOR_NOTE	String (4000)	<input checked="" type="checkbox"/>
DISPENSING_NOTE	String (4000)	<input checked="" type="checkbox"/>
ADVICE_MANAGEMENT_NOTE	String (4000)	<input checked="" type="checkbox"/>
PD_DISTANCE_RIGHT	String (10)	<input checked="" type="checkbox"/>
PD_DISTANCE_LEFT	String (10)	<input checked="" type="checkbox"/>
PD_NEAR_RIGHT	String (10)	<input checked="" type="checkbox"/>
PD_NEAR_LEFT	String (10)	<input checked="" type="checkbox"/>
AIDED_VA_RIGHT	String (15)	<input checked="" type="checkbox"/>
AIDED_VA_LEFT	String (15)	<input checked="" type="checkbox"/>
AIDED_VA_OU	String (15)	<input checked="" type="checkbox"/>
UNAIDED_VA_RIGHT	String (15)	<input checked="" type="checkbox"/>
UNAIDED_VA_LEFT	String (15)	<input checked="" type="checkbox"/>
UNAIDED_VA_OU	String (15)	<input checked="" type="checkbox"/>
PINHOLE_VA_RIGHT	String (15)	<input checked="" type="checkbox"/>
PINHOLE_VA_LEFT	String (15)	<input checked="" type="checkbox"/>
UNAIDED_NVA_RIGHT	String (15)	<input checked="" type="checkbox"/>
UNAIDED_NVA_LEFT	String (15)	<input checked="" type="checkbox"/>
UNAIDED_NVA_OU	String (15)	<input checked="" type="checkbox"/>
IOP_RIGHT	Double	<input checked="" type="checkbox"/>
IOP_LEFT	Double	<input checked="" type="checkbox"/>
IOP_DEVICE	String (400)	<input checked="" type="checkbox"/>
IOP_TIME	Date <i>yyyy-MM-dd</i>	<input checked="" type="checkbox"/>
IOP_NOTE	String (4000)	<input checked="" type="checkbox"/>
ADJUSTED_IOP_RIGHT	Double	<input checked="" type="checkbox"/>
ADJUSTED_IOP_LEFT	Double	<input checked="" type="checkbox"/>
ADJUSTED_IOP_NOTE	String (4000)	<input checked="" type="checkbox"/>
PACHYMETRY_RIGHT	Double	<input checked="" type="checkbox"/>
PACHYMETRY_LEFT	Double	<input checked="" type="checkbox"/>
PACHYMETRY_NOTE	String (4000)	<input checked="" type="checkbox"/>
PRESENTING1_RX_TYPE_RIGHT	String (20)	<input checked="" type="checkbox"/>
PRESENTING1_RX_SPHERE_RIGHT	String (10)	<input checked="" type="checkbox"/>
PRESENTING1_RX_CYLINDER_RIGHT	String (10)	<input checked="" type="checkbox"/>
PRESENTING1_RX_AXIS_RIGHT	String (10)	<input checked="" type="checkbox"/>
PRESENTING1_RX_VA_RIGHT	String (15)	<input checked="" type="checkbox"/>
PRESENTING1_RX_ADD_RIGHT	String (10)	<input checked="" type="checkbox"/>
PRESENTING1_RX_NVA_RIGHT	String (15)	<input checked="" type="checkbox"/>
PRESENTING1_RX_INT_ADD_RIGHT	String (10)	<input checked="" type="checkbox"/>
PRESENTING1_RX_HORIZONTAL_PRISM_VALUE_RIGHT	Double	<input checked="" type="checkbox"/>
PRESENTING1_RX_HORIZONTAL_PRISM_TYPE_RIGHT	String (10)	<input checked="" type="checkbox"/>
PRESENTING1_RX_VERTICAL_PRISM_VALUE_RIGHT	Double	<input checked="" type="checkbox"/>
PRESENTING1_RX_VERTICAL_PRISM_TYPE_RIGHT	String (10)	<input checked="" type="checkbox"/>
PRESENTING1_RX_BVD_RIGHT	Double	<input checked="" type="checkbox"/>
PRESENTING1_RX_TYPE_LEFT	String (20)	<input checked="" type="checkbox"/>
PRESENTING1_RX_SPHERE_LEFT	String (10)	<input checked="" type="checkbox"/>
PRESENTING1_RX_CYLINDER_LEFT	String (10)	<input checked="" type="checkbox"/>
PRESENTING1_RX_AXIS_LEFT	String (10)	<input checked="" type="checkbox"/>
PRESENTING1_RX_VA_LEFT	String (15)	<input checked="" type="checkbox"/>

PRESENTING1_RX_ADD_LEFT	String (10)	<input checked="" type="checkbox"/>
PRESENTING1_RX_NVA_LEFT	String (15)	<input checked="" type="checkbox"/>
PRESENTING1_RX_INT_ADD_LEFT	String (10)	<input checked="" type="checkbox"/>
PRESENTING1_RX_HORIZONTAL_PRISM_VALUE_LEFT	Double	<input checked="" type="checkbox"/>
PRESENTING1_RX_HORIZONTAL_PRISM_TYPE_LEFT	String (10)	<input checked="" type="checkbox"/>
PRESENTING1_RX_VERTICAL_PRISM_VALUE_LEFT	Double	<input checked="" type="checkbox"/>
PRESENTING1_RX_VERTICAL_PRISM_TYPE_LEFT	String (10)	<input checked="" type="checkbox"/>
PRESENTING1_RX_BVD_LEFT	Double	<input checked="" type="checkbox"/>
PRESENTING2_RX_TYPE_RIGHT	String (20)	<input checked="" type="checkbox"/>
PRESENTING2_RX_SPHERE_RIGHT	String (10)	<input checked="" type="checkbox"/>
PRESENTING2_RX_CYLINDER_RIGHT	String (10)	<input checked="" type="checkbox"/>
PRESENTING2_RX_AXIS_RIGHT	String (10)	<input checked="" type="checkbox"/>
PRESENTING2_RX_VA_RIGHT	String (15)	<input checked="" type="checkbox"/>
PRESENTING2_RX_ADD_RIGHT	String (10)	<input checked="" type="checkbox"/>
PRESENTING2_RX_NVA_RIGHT	String (15)	<input checked="" type="checkbox"/>
PRESENTING2_RX_INT_ADD_RIGHT	String (10)	<input checked="" type="checkbox"/>
PRESENTING2_RX_HORIZONTAL_PRISM_VALUE_RIGHT	Double	<input checked="" type="checkbox"/>
PRESENTING2_RX_HORIZONTAL_PRISM_TYPE_RIGHT	String (10)	<input checked="" type="checkbox"/>
PRESENTING2_RX_VERTICAL_PRISM_VALUE_RIGHT	Double	<input checked="" type="checkbox"/>
PRESENTING2_RX_VERTICAL_PRISM_TYPE_RIGHT	String (10)	<input checked="" type="checkbox"/>
PRESENTING2_RX_BVD_RIGHT	Double	<input checked="" type="checkbox"/>
PRESENTING2_RX_TYPE_LEFT	String (20)	<input checked="" type="checkbox"/>
PRESENTING2_RX_SPHERE_LEFT	String (10)	<input checked="" type="checkbox"/>
PRESENTING2_RX_CYLINDER_LEFT	String (10)	<input checked="" type="checkbox"/>
PRESENTING2_RX_AXIS_LEFT	String (10)	<input checked="" type="checkbox"/>
PRESENTING2_RX_VA_LEFT	String (15)	<input checked="" type="checkbox"/>
PRESENTING2_RX_ADD_LEFT	String (10)	<input checked="" type="checkbox"/>
PRESENTING2_RX_NVA_LEFT	String (15)	<input checked="" type="checkbox"/>
PRESENTING2_RX_INT_ADD_LEFT	String (10)	<input checked="" type="checkbox"/>
PRESENTING2_RX_HORIZONTAL_PRISM_VALUE_LEFT	Double	<input checked="" type="checkbox"/>
PRESENTING2_RX_HORIZONTAL_PRISM_TYPE_LEFT	String (10)	<input checked="" type="checkbox"/>
PRESENTING2_RX_VERTICAL_PRISM_VALUE_LEFT	Double	<input checked="" type="checkbox"/>
PRESENTING2_RX_VERTICAL_PRISM_TYPE_LEFT	String (10)	<input checked="" type="checkbox"/>
PRESENTING2_RX_BVD_LEFT	Double	<input checked="" type="checkbox"/>
CUSTOM1_RX_TYPE_RIGHT	String (20)	<input checked="" type="checkbox"/>
CUSTOM1_RX_SPHERE_RIGHT	String (10)	<input checked="" type="checkbox"/>
CUSTOM1_RX_CYLINDER_RIGHT	String (10)	<input checked="" type="checkbox"/>
CUSTOM1_RX_AXIS_RIGHT	String (10)	<input checked="" type="checkbox"/>
CUSTOM1_RX_VA_RIGHT	String (15)	<input checked="" type="checkbox"/>
CUSTOM1_RX_ADD_RIGHT	String (10)	<input checked="" type="checkbox"/>
CUSTOM1_RX_NVA_RIGHT	String (15)	<input checked="" type="checkbox"/>
CUSTOM1_RX_INT_ADD_RIGHT	String (10)	<input checked="" type="checkbox"/>
CUSTOM1_RX_TYPE_LEFT	String (20)	<input checked="" type="checkbox"/>
CUSTOM1_RX_SPHERE_LEFT	String (10)	<input checked="" type="checkbox"/>
CUSTOM1_RX_CYLINDER_LEFT	String (10)	<input checked="" type="checkbox"/>
CUSTOM1_RX_AXIS_LEFT	String (10)	<input checked="" type="checkbox"/>
CUSTOM1_RX_VA_LEFT	String (15)	<input checked="" type="checkbox"/>
CUSTOM1_RX_ADD_LEFT	String (10)	<input checked="" type="checkbox"/>
CUSTOM1_RX_NVA_LEFT	String (15)	<input checked="" type="checkbox"/>
CUSTOM1_RX_INT_ADD_LEFT	String (10)	<input checked="" type="checkbox"/>
CUSTOM1_RX_NOTE	String (4000)	<input checked="" type="checkbox"/>
CUSTOM2_RX_TYPE_RIGHT	String (20)	<input checked="" type="checkbox"/>
CUSTOM2_RX_SPHERE_RIGHT	String (10)	<input checked="" type="checkbox"/>
CUSTOM2_RX_CYLINDER_RIGHT	String (10)	<input checked="" type="checkbox"/>
CUSTOM2_RX_AXIS_RIGHT	String (10)	<input checked="" type="checkbox"/>
CUSTOM2_RX_VA_RIGHT	String (15)	<input checked="" type="checkbox"/>
CUSTOM2_RX_ADD_RIGHT	String (10)	<input checked="" type="checkbox"/>

CUSTOM2_RX_NVA_RIGHT	String (15)	<input checked="" type="checkbox"/>
CUSTOM2_RX_INT_ADD_RIGHT	String (10)	<input checked="" type="checkbox"/>
CUSTOM2_RX_TYPE_LEFT	String (20)	<input checked="" type="checkbox"/>
CUSTOM2_RX_SPHERE_LEFT	String (10)	<input checked="" type="checkbox"/>
CUSTOM2_RX_CYLINDER_LEFT	String (10)	<input checked="" type="checkbox"/>
CUSTOM2_RX_AXIS_LEFT	String (10)	<input checked="" type="checkbox"/>
CUSTOM2_RX_VA_LEFT	String (15)	<input checked="" type="checkbox"/>
CUSTOM2_RX_ADD_LEFT	String (10)	<input checked="" type="checkbox"/>
CUSTOM2_RX_NVA_LEFT	String (15)	<input checked="" type="checkbox"/>
CUSTOM2_RX_INT_ADD_LEFT	String (10)	<input checked="" type="checkbox"/>
CUSTOM2_RX_NOTE	String (4000)	<input checked="" type="checkbox"/>
CUSTOM3_RX_TYPE_RIGHT	String (20)	<input checked="" type="checkbox"/>
CUSTOM3_RX_SPHERE_RIGHT	String (10)	<input checked="" type="checkbox"/>
CUSTOM3_RX_CYLINDER_RIGHT	String (10)	<input checked="" type="checkbox"/>
CUSTOM3_RX_AXIS_RIGHT	String (10)	<input checked="" type="checkbox"/>
CUSTOM3_RX_VA_RIGHT	String (15)	<input checked="" type="checkbox"/>
CUSTOM3_RX_ADD_RIGHT	String (10)	<input checked="" type="checkbox"/>
CUSTOM3_RX_NVA_RIGHT	String (15)	<input checked="" type="checkbox"/>
CUSTOM3_RX_INT_ADD_RIGHT	String (10)	<input checked="" type="checkbox"/>
CUSTOM3_RX_TYPE_LEFT	String (20)	<input checked="" type="checkbox"/>
CUSTOM3_RX_SPHERE_LEFT	String (10)	<input checked="" type="checkbox"/>
CUSTOM3_RX_CYLINDER_LEFT	String (10)	<input checked="" type="checkbox"/>
CUSTOM3_RX_AXIS_LEFT	String (10)	<input checked="" type="checkbox"/>
CUSTOM3_RX_VA_LEFT	String (15)	<input checked="" type="checkbox"/>
CUSTOM3_RX_ADD_LEFT	String (10)	<input checked="" type="checkbox"/>
CUSTOM3_RX_NVA_LEFT	String (15)	<input checked="" type="checkbox"/>
CUSTOM3_RX_INT_ADD_LEFT	String (10)	<input checked="" type="checkbox"/>
CUSTOM3_RX_NOTE	String (4000)	<input checked="" type="checkbox"/>
CUSTOM4_RX_TYPE_RIGHT	String (20)	<input checked="" type="checkbox"/>
CUSTOM4_RX_SPHERE_RIGHT	String (10)	<input checked="" type="checkbox"/>
CUSTOM4_RX_CYLINDER_RIGHT	String (10)	<input checked="" type="checkbox"/>
CUSTOM4_RX_AXIS_RIGHT	String (10)	<input checked="" type="checkbox"/>
CUSTOM4_RX_VA_RIGHT	String (15)	<input checked="" type="checkbox"/>
CUSTOM4_RX_ADD_RIGHT	String (10)	<input checked="" type="checkbox"/>
CUSTOM4_RX_NVA_RIGHT	String (15)	<input checked="" type="checkbox"/>
CUSTOM4_RX_INT_ADD_RIGHT	String (10)	<input checked="" type="checkbox"/>
CUSTOM4_RX_TYPE_LEFT	String (20)	<input checked="" type="checkbox"/>
CUSTOM4_RX_SPHERE_LEFT	String (10)	<input checked="" type="checkbox"/>
CUSTOM4_RX_CYLINDER_LEFT	String (10)	<input checked="" type="checkbox"/>
CUSTOM4_RX_AXIS_LEFT	String (10)	<input checked="" type="checkbox"/>
CUSTOM4_RX_VA_LEFT	String (15)	<input checked="" type="checkbox"/>
CUSTOM4_RX_ADD_LEFT	String (10)	<input checked="" type="checkbox"/>
CUSTOM4_RX_NVA_LEFT	String (15)	<input checked="" type="checkbox"/>
CUSTOM4_RX_INT_ADD_LEFT	String (10)	<input checked="" type="checkbox"/>
CUSTOM4_RX_NOTE	String (4000)	<input checked="" type="checkbox"/>
CUSTOM5_RX_TYPE_RIGHT	String (20)	<input checked="" type="checkbox"/>
CUSTOM5_RX_SPHERE_RIGHT	String (10)	<input checked="" type="checkbox"/>
CUSTOM5_RX_CYLINDER_RIGHT	String (10)	<input checked="" type="checkbox"/>
CUSTOM5_RX_AXIS_RIGHT	String (10)	<input checked="" type="checkbox"/>
CUSTOM5_RX_VA_RIGHT	String (15)	<input checked="" type="checkbox"/>
CUSTOM5_RX_ADD_RIGHT	String (10)	<input checked="" type="checkbox"/>
CUSTOM5_RX_NVA_RIGHT	String (15)	<input checked="" type="checkbox"/>
CUSTOM5_RX_INT_ADD_RIGHT	String (10)	<input checked="" type="checkbox"/>
CUSTOM5_RX_TYPE_LEFT	String (20)	<input checked="" type="checkbox"/>
CUSTOM5_RX_SPHERE_LEFT	String (10)	<input checked="" type="checkbox"/>
CUSTOM5_RX_CYLINDER_LEFT	String (10)	<input checked="" type="checkbox"/>
CUSTOM5_RX_AXIS_LEFT	String (10)	<input checked="" type="checkbox"/>

CUSTOM5_RX_VA_LEFT	String (15)	<input checked="" type="checkbox"/>
CUSTOM5_RX_ADD_LEFT	String (10)	<input checked="" type="checkbox"/>
CUSTOM5_RX_NVA_LEFT	String (15)	<input checked="" type="checkbox"/>
CUSTOM5_RX_INT_ADD_LEFT	String (10)	<input checked="" type="checkbox"/>
CUSTOM5_RX_NOTE	String (4000)	<input checked="" type="checkbox"/>
FINAL1_RX_SPHERE_RIGHT	String (10)	<input checked="" type="checkbox"/>
FINAL1_RX_CYLINDER_RIGHT	String (10)	<input checked="" type="checkbox"/>
FINAL1_RX_AXIS_RIGHT	String (10)	<input checked="" type="checkbox"/>
FINAL1_RX_VA_RIGHT	String (15)	<input checked="" type="checkbox"/>
FINAL1_RX_ADD_RIGHT	String (10)	<input checked="" type="checkbox"/>
FINAL1_RX_NVA_RIGHT	String (15)	<input checked="" type="checkbox"/>
FINAL1_RX_INT_ADD_RIGHT	String (10)	<input checked="" type="checkbox"/>
FINAL1_RX_HORIZONTAL_PRISM_VALUE_RIGHT	Double	<input checked="" type="checkbox"/>
FINAL1_RX_HORIZONTAL_PRISM_TYPE_RIGHT	String (10)	<input checked="" type="checkbox"/>
FINAL1_RX_VERTICAL_PRISM_VALUE_RIGHT	Double	<input checked="" type="checkbox"/>
FINAL1_RX_VERTICAL_PRISM_TYPE_RIGHT	String (10)	<input checked="" type="checkbox"/>
FINAL1_RX_BVD_RIGHT	Double	<input checked="" type="checkbox"/>
FINAL1_RX_SPHERE_LEFT	String (10)	<input checked="" type="checkbox"/>
FINAL1_RX_CYLINDER_LEFT	String (10)	<input checked="" type="checkbox"/>
FINAL1_RX_AXIS_LEFT	String (10)	<input checked="" type="checkbox"/>
FINAL1_RX_VA_LEFT	String (15)	<input checked="" type="checkbox"/>
FINAL1_RX_ADD_LEFT	String (10)	<input checked="" type="checkbox"/>
FINAL1_RX_NVA_LEFT	String (15)	<input checked="" type="checkbox"/>
FINAL1_RX_INT_ADD_LEFT	String (10)	<input checked="" type="checkbox"/>
FINAL1_RX_HORIZONTAL_PRISM_VALUE_LEFT	Double	<input checked="" type="checkbox"/>
FINAL1_RX_HORIZONTAL_PRISM_TYPE_LEFT	String (10)	<input checked="" type="checkbox"/>
FINAL1_RX_VERTICAL_PRISM_VALUE_LEFT	Double	<input checked="" type="checkbox"/>
FINAL1_RX_VERTICAL_PRISM_TYPE_LEFT	String (10)	<input checked="" type="checkbox"/>
FINAL1_RX_BVD_LEFT	Double	<input checked="" type="checkbox"/>
FINAL1_RX_VA_OU	String (15)	<input checked="" type="checkbox"/>
FINAL1_RX_NVA_OU	String (15)	<input checked="" type="checkbox"/>
FINAL1_RX_NOTE	String (4000)	<input checked="" type="checkbox"/>
FINAL2_RX_SPHERE_RIGHT	String (10)	<input checked="" type="checkbox"/>
FINAL2_RX_CYLINDER_RIGHT	String (10)	<input checked="" type="checkbox"/>
FINAL2_RX_AXIS_RIGHT	String (10)	<input checked="" type="checkbox"/>
FINAL2_RX_VA_RIGHT	String (15)	<input checked="" type="checkbox"/>
FINAL2_RX_ADD_RIGHT	String (10)	<input checked="" type="checkbox"/>
FINAL2_RX_NVA_RIGHT	String (15)	<input checked="" type="checkbox"/>
FINAL2_RX_INT_ADD_RIGHT	String (10)	<input checked="" type="checkbox"/>
FINAL2_RX_HORIZONTAL_PRISM_VALUE_RIGHT	Double	<input checked="" type="checkbox"/>
FINAL2_RX_HORIZONTAL_PRISM_TYPE_RIGHT	String (10)	<input checked="" type="checkbox"/>
FINAL2_RX_VERTICAL_PRISM_VALUE_RIGHT	Double	<input checked="" type="checkbox"/>
FINAL2_RX_VERTICAL_PRISM_TYPE_RIGHT	String (10)	<input checked="" type="checkbox"/>
FINAL2_RX_BVD_RIGHT	Double	<input checked="" type="checkbox"/>
FINAL2_RX_SPHERE_LEFT	String (10)	<input checked="" type="checkbox"/>
FINAL2_RX_CYLINDER_LEFT	String (10)	<input checked="" type="checkbox"/>
FINAL2_RX_AXIS_LEFT	String (10)	<input checked="" type="checkbox"/>
FINAL2_RX_VA_LEFT	String (15)	<input checked="" type="checkbox"/>
FINAL2_RX_ADD_LEFT	String (10)	<input checked="" type="checkbox"/>
FINAL2_RX_NVA_LEFT	String (15)	<input checked="" type="checkbox"/>
FINAL2_RX_INT_ADD_LEFT	String (10)	<input checked="" type="checkbox"/>
FINAL2_RX_HORIZONTAL_PRISM_VALUE_LEFT	Double	<input checked="" type="checkbox"/>
FINAL2_RX_HORIZONTAL_PRISM_TYPE_LEFT	String (10)	<input checked="" type="checkbox"/>
FINAL2_RX_VERTICAL_PRISM_VALUE_LEFT	Double	<input checked="" type="checkbox"/>
FINAL2_RX_VERTICAL_PRISM_TYPE_LEFT	String (10)	<input checked="" type="checkbox"/>
FINAL2_RX_BVD_LEFT	Double	<input checked="" type="checkbox"/>
FINAL2_RX_VA_OU	String (15)	<input checked="" type="checkbox"/>

FINAL2_RX_NVA_OU	String (15)	<input checked="" type="checkbox"/>
FINAL2_RX_NOTE	String (4000)	<input checked="" type="checkbox"/>
AMSLER_NOTE	String (4000)	<input checked="" type="checkbox"/>
PERIMETRY_DEVICE	String (400)	<input checked="" type="checkbox"/>
OCT_DEVICE	String (400)	<input checked="" type="checkbox"/>
OCT_NOTE	String (4000)	<input checked="" type="checkbox"/>
TOPOGRAPHY_DEVICE	String (400)	<input checked="" type="checkbox"/>
TOPOGRAPHY_NOTE	String (4000)	<input checked="" type="checkbox"/>
KREADINGS_MM1_VALUE_RIGHT	Double	<input checked="" type="checkbox"/>
KREADINGS_MM1_AXIS_RIGHT	Double	<input checked="" type="checkbox"/>
KREADINGS_MM2_VALUE_RIGHT	Double	<input checked="" type="checkbox"/>
KREADINGS_MM2_AXIS_RIGHT	Double	<input checked="" type="checkbox"/>
KREADINGS_MM1_VALUE_LEFT	Double	<input checked="" type="checkbox"/>
KREADINGS_MM1_AXIS_LEFT	Double	<input checked="" type="checkbox"/>
KREADINGS_MM2_VALUE_LEFT	Double	<input checked="" type="checkbox"/>
KREADINGS_MM2_AXIS_LEFT	Double	<input checked="" type="checkbox"/>
KREADINGS_DIOPTRES1_VALUE_RIGHT	Double	<input checked="" type="checkbox"/>
KREADINGS_DIOPTRES1_AXIS_RIGHT	Double	<input checked="" type="checkbox"/>
KREADINGS_DIOPTRES2_VALUE_RIGHT	Double	<input checked="" type="checkbox"/>
KREADINGS_DIOPTRES2_AXIS_RIGHT	Double	<input checked="" type="checkbox"/>
KREADINGS_DIOPTRES1_VALUE_LEFT	Double	<input checked="" type="checkbox"/>
KREADINGS_DIOPTRES1_AXIS_LEFT	Double	<input checked="" type="checkbox"/>
KREADINGS_DIOPTRES2_VALUE_LEFT	Double	<input checked="" type="checkbox"/>
KREADINGS_DIOPTRES2_AXIS_LEFT	Double	<input checked="" type="checkbox"/>
KREADINGS_NOTE	String (4000)	<input checked="" type="checkbox"/>
ANTERIOR_IMAGE_RIGHT	String (4000)	<input checked="" type="checkbox"/>
ANTERIOR_IMAGE_LEFT	String (4000)	<input checked="" type="checkbox"/>
POSTERIOR_IMAGE_RIGHT	String (4000)	<input checked="" type="checkbox"/>
POSTERIOR_IMAGE_LEFT	String (4000)	<input checked="" type="checkbox"/>
RETINAL_IMAGE_TAKEN	Boolean	<input checked="" type="checkbox"/>
MPOD_RIGHT	Double	<input checked="" type="checkbox"/>
MPOD_LEFT	Double	<input checked="" type="checkbox"/>
DILATED_FUNDUS	String (500)	<input checked="" type="checkbox"/>
DILATED_FUNDUS_DATE	Date <i>yyyy-MM-dd</i>	<input checked="" type="checkbox"/>
DILATED_FUNDUS_TIME	TimeOfDay <i>hh:mm tt</i>	<input checked="" type="checkbox"/>
DILATED_FUNDUS_NOTES	String (4000)	<input checked="" type="checkbox"/>
ALLERGIES_NOTE	String (4000)	<input checked="" type="checkbox"/>
COVER_TEST_UNAIDED_DISTANCE	String (20)	<input checked="" type="checkbox"/>
COVER_TEST_UNAIDED_NEAR	String (20)	<input checked="" type="checkbox"/>
COVER_TEST_AIDED_DISTANCE	String (20)	<input checked="" type="checkbox"/>
COVER_TEST_AIDED_NEAR	String (20)	<input checked="" type="checkbox"/>
COVER_TEST_NPC_BLUR	String (20)	<input checked="" type="checkbox"/>
COVER_TEST_NPC_BREAK	String (20)	<input checked="" type="checkbox"/>
COVER_TEST_NPC_RECOVERY	String (20)	<input checked="" type="checkbox"/>
COVER_TEST_NPA_BLUR	String (20)	<input checked="" type="checkbox"/>
COVER_TEST_NPA_BREAK	String (20)	<input checked="" type="checkbox"/>
COVER_TEST_NPA_RECOVERY	String (20)	<input checked="" type="checkbox"/>
MOTILITY_MONOCULAR_NOTE	String (4000)	<input checked="" type="checkbox"/>
MOTILITY_BINOCULAR_NOTE	String (4000)	<input checked="" type="checkbox"/>
ACCOMMODATION_UNFUSED_X_CYL_RIGHT	Double	<input checked="" type="checkbox"/>
ACCOMMODATION_UNFUSED_X_CYL_LEFT	Double	<input checked="" type="checkbox"/>
ACCOMMODATION_FUSED_X_CYL_OU	Double	<input checked="" type="checkbox"/>
ACCOMMODATION_NEAR_RET_MEM_RIGHT	Double	<input checked="" type="checkbox"/>
ACCOMMODATION_NEAR_RET_MEM_LEFT	Double	<input checked="" type="checkbox"/>
ACCOMMODATION_PRA	Double	<input checked="" type="checkbox"/>
ACCOMMODATION_NRA	Double	<input checked="" type="checkbox"/>
ACCOMMODATION1_CMIN	String (5)	<input checked="" type="checkbox"/>

ACCOMMODATION1_PASS_FAIL	String (4)	<input checked="" type="checkbox"/>
ACCOMMODATION15_CMIN	String (5)	<input checked="" type="checkbox"/>
ACCOMMODATION15_PASS_FAIL	String (4)	<input checked="" type="checkbox"/>
ACCOMMODATION2_CMIN	String (5)	<input checked="" type="checkbox"/>
ACCOMMODATION2_PASS_FAIL	String (4)	<input checked="" type="checkbox"/>
ACCOMMODATION_CUSTOM_NAME	String (15)	<input checked="" type="checkbox"/>
ACCOMMODATION_CUSTOM_CMIN	String (5)	<input checked="" type="checkbox"/>
ACCOMMODATION_CUSTOM_PASS_FAIL	String (4)	<input checked="" type="checkbox"/>
ACCOMMODATION_ACA_PLUS_2	String (6)	<input checked="" type="checkbox"/>
ACCOMMODATION_ACA_PLUS_1	String (6)	<input checked="" type="checkbox"/>
ACCOMMODATION_ACA_PLUS_0	String (6)	<input checked="" type="checkbox"/>
ACCOMMODATION_ACA_MINUS_1	String (6)	<input checked="" type="checkbox"/>
ACCOMMODATION_ACA_MINUS_2	String (6)	<input checked="" type="checkbox"/>
STEREOPSIS_TEST	String (500)	<input checked="" type="checkbox"/>
STEREOPSIS_NOTE	String (4000)	<input checked="" type="checkbox"/>
SUPPRESSION_TEST	String (500)	<input checked="" type="checkbox"/>
SUPPRESSION_NOTE	String (4000)	<input checked="" type="checkbox"/>
PHORIA_HORIZONTAL_UNAIDED_DISTANCE	String (10)	<input checked="" type="checkbox"/>
PHORIA_HORIZONTAL_UNAIDED_NEAR	String (10)	<input checked="" type="checkbox"/>
PHORIA_HORIZONTAL_AIDED_DISTANCE	String (10)	<input checked="" type="checkbox"/>
PHORIA_HORIZONTAL_AIDED_NEAR	String (10)	<input checked="" type="checkbox"/>
PHORIA_VERTICAL_UNAIDED_DISTANCE	String (10)	<input checked="" type="checkbox"/>
PHORIA_VERTICAL_UNAIDED_NEAR	String (10)	<input checked="" type="checkbox"/>
PHORIA_VERTICAL_AIDED_DISTANCE	String (10)	<input checked="" type="checkbox"/>
PHORIA_VERTICAL_AIDED_NEAR	String (10)	<input checked="" type="checkbox"/>
VERGENCE1_IN	Double	<input checked="" type="checkbox"/>
VERGENCE1_OUT	Double	<input checked="" type="checkbox"/>
VERGENCE1_CMIN	String (5)	<input checked="" type="checkbox"/>
VERGENCE1_PASS_FAIL	String (4)	<input checked="" type="checkbox"/>
VERGENCE2_IN	Double	<input checked="" type="checkbox"/>
VERGENCE2_OUT	Double	<input checked="" type="checkbox"/>
VERGENCE2_CMIN	String (5)	<input checked="" type="checkbox"/>
VERGENCE2_PASS_FAIL	String (4)	<input checked="" type="checkbox"/>
VERGENCE3_IN	Double	<input checked="" type="checkbox"/>
VERGENCE3_OUT	Double	<input checked="" type="checkbox"/>
VERGENCE3_CMIN	String (5)	<input checked="" type="checkbox"/>
VERGENCE3_PASS_FAIL	String (4)	<input checked="" type="checkbox"/>
EXTRA_TESTS_NOTE	String (4000)	<input checked="" type="checkbox"/>
FUSIONAL_RESERVES_BLUR_DISTANCE_BO	Double	<input checked="" type="checkbox"/>
FUSIONAL_RESERVES_BREAK_DISTANCE_BO	Double	<input checked="" type="checkbox"/>
FUSIONAL_RESERVES_RECOVERY_DISTANCE_BO	Double	<input checked="" type="checkbox"/>
FUSIONAL_RESERVES_BLUR_DISTANCE_BI	Double	<input checked="" type="checkbox"/>
FUSIONAL_RESERVES_BREAK_DISTANCE_BI	Double	<input checked="" type="checkbox"/>
FUSIONAL_RESERVES_RECOVERY_DISTANCE_BI	Double	<input checked="" type="checkbox"/>
FUSIONAL_RESERVES_BLUR_NEAR_BO	Double	<input checked="" type="checkbox"/>
FUSIONAL_RESERVES_BREAK_NEAR_BO	Double	<input checked="" type="checkbox"/>
FUSIONAL_RESERVES_RECOVERY_NEAR_BO	Double	<input checked="" type="checkbox"/>
FUSIONAL_RESERVES_BLUR_NEAR_BI	Double	<input checked="" type="checkbox"/>
FUSIONAL_RESERVES_BREAK_NEAR_BI	Double	<input checked="" type="checkbox"/>
FUSIONAL_RESERVES_RECOVERY_NEAR_BI	Double	<input checked="" type="checkbox"/>
FUSIONAL_RESERVES_AIDED	Boolean	<input type="checkbox"/>
FUSIONAL_RESERVES_UNAIDED	Boolean	<input type="checkbox"/>
FUSIONAL_RESERVESV_BREAK_DISTANCE_BDR	Double	<input checked="" type="checkbox"/>
FUSIONAL_RESERVESV_BREAK_DISTANCE_BUR	Double	<input checked="" type="checkbox"/>
FUSIONAL_RESERVESV_RECOVERY_DISTANCE_BDR	Double	<input checked="" type="checkbox"/>
FUSIONAL_RESERVESV_RECOVERY_DISTANCE_BUR	Double	<input checked="" type="checkbox"/>
FUSIONAL_RESERVESV_BREAK_NEAR_BDR	Double	<input checked="" type="checkbox"/>

FUSIONAL_RESERVESV_BREAK_NEAR_BUR	Double	<input checked="" type="checkbox"/>
FUSIONAL_RESERVESV_RECOVERY_NEAR_BDR	Double	<input checked="" type="checkbox"/>
FUSIONAL_RESERVESV_RECOVERY_NEAR_BUR	Double	<input checked="" type="checkbox"/>
COLOUR_VISION_TEST	String (4000)	<input checked="" type="checkbox"/>
COLOUR_VISION_RESULT	String (4000)	<input checked="" type="checkbox"/>
COLOUR_VISION_DIAGNOSIS	String (4000)	<input checked="" type="checkbox"/>
ADVICE_ACTION	String (4000)	<input checked="" type="checkbox"/>
EXAMINATION_NOTE	String (4000)	<input checked="" type="checkbox"/>
OCULO_SELF_URL	String (4000)	<input checked="" type="checkbox"/>
OCULO_EDIT_URL	String (4000)	<input checked="" type="checkbox"/>
EXAM_WRITER	Boolean	<input type="checkbox"/>
DIABETES_VALUE	String (20)	<input checked="" type="checkbox"/>
DIABETES_TYPE_VALUE	String (20)	<input checked="" type="checkbox"/>
GLAUCOMA_VALUE	String (20)	<input checked="" type="checkbox"/>
GLAUCOMA_TYPE_VALUE	String (20)	<input checked="" type="checkbox"/>
AMD_VALUE	String (20)	<input checked="" type="checkbox"/>
AMD_TYPE_VALUE	String (20)	<input checked="" type="checkbox"/>
DRY_EYE_VALUE	String (20)	<input checked="" type="checkbox"/>
DRY_EYE_TYPE_VALUE	String (20)	<input checked="" type="checkbox"/>
DILATED_FUNDUS_INFORMED_CONSENT_VALUE	String (20)	<input checked="" type="checkbox"/>
TOPOGRAPHY_PERFORMED_VALUE	String (20)	<input checked="" type="checkbox"/>
PERIMETRY_PERFORMED_VALUE	String (20)	<input checked="" type="checkbox"/>
OCT_PERFORMED_VALUE	String (20)	<input checked="" type="checkbox"/>

## APPENDIX C: EXAMINATION CONTACT LENS

Name	Type	Null
SOFT_TRIAL1_DATE	Date <i>yyyy-MM-dd</i>	<input checked="" type="checkbox"/>
SOFT_TRIAL1_OCULAR_DOMINANCE_RIGHT	Boolean	<input type="checkbox"/>
SOFT_TRIAL1_OCULAR_DOMINANCE_LEFT	Boolean	<input type="checkbox"/>
SOFT_TRIAL1_BARCODE_RIGHT	String (20)	<input checked="" type="checkbox"/>
SOFT_TRIAL1_DESCRIPTION_RIGHT	String (100)	<input checked="" type="checkbox"/>
SOFT_TRIAL1_BASE_CURVE_RIGHT	String (10)	<input checked="" type="checkbox"/>
SOFT_TRIAL1_DIAMETER_RIGHT	String (10)	<input checked="" type="checkbox"/>
SOFT_TRIAL1_POWER_SPHERE_RIGHT	String (10)	<input checked="" type="checkbox"/>
SOFT_TRIAL1_POWER_CYLINDER_RIGHT	String (10)	<input checked="" type="checkbox"/>
SOFT_TRIAL1_POWER_AXIS_RIGHT	String (10)	<input checked="" type="checkbox"/>
SOFT_TRIAL1_POWER_ADD_RIGHT	String (10)	<input checked="" type="checkbox"/>
SOFT_TRIAL1_OVERREF_SPHERE_RIGHT	String (10)	<input checked="" type="checkbox"/>
SOFT_TRIAL1_OVERREF_CYLINDER_RIGHT	String (10)	<input checked="" type="checkbox"/>
SOFT_TRIAL1_OVERREF_AXIS_RIGHT	String (10)	<input checked="" type="checkbox"/>
SOFT_TRIAL1_OVERREF_ADD_RIGHT	String (10)	<input checked="" type="checkbox"/>
SOFT_TRIAL1_VA_RIGHT	String (10)	<input checked="" type="checkbox"/>
SOFT_TRIAL1_FIT_RIGHT	String (50)	<input checked="" type="checkbox"/>
SOFT_TRIAL1_NOTE_RIGHT	String (4000)	<input checked="" type="checkbox"/>
SOFT_TRIAL1_BARCODE_LEFT	String (20)	<input checked="" type="checkbox"/>
SOFT_TRIAL1_DESCRIPTION_LEFT	String (100)	<input checked="" type="checkbox"/>
SOFT_TRIAL1_BASE_CURVE_LEFT	String (10)	<input checked="" type="checkbox"/>
SOFT_TRIAL1_DIAMETER_LEFT	String (10)	<input checked="" type="checkbox"/>
SOFT_TRIAL1_POWER_SPHERE_LEFT	String (10)	<input checked="" type="checkbox"/>
SOFT_TRIAL1_POWER_CYLINDER_LEFT	String (10)	<input checked="" type="checkbox"/>
SOFT_TRIAL1_POWER_AXIS_LEFT	String (10)	<input checked="" type="checkbox"/>
SOFT_TRIAL1_POWER_ADD_LEFT	String (10)	<input checked="" type="checkbox"/>
SOFT_TRIAL1_OVERREF_SPHERE_LEFT	String (10)	<input checked="" type="checkbox"/>
SOFT_TRIAL1_OVERREF_CYLINDER_LEFT	String (10)	<input checked="" type="checkbox"/>
SOFT_TRIAL1_OVERREF_AXIS_LEFT	String (10)	<input checked="" type="checkbox"/>

SOFT_TRIAL1_OVERREF_ADD_LEFT	String (10)	<input checked="" type="checkbox"/>
SOFT_TRIAL1_VA_LEFT	String (10)	<input checked="" type="checkbox"/>
SOFT_TRIAL1_FIT_LEFT	String (50)	<input checked="" type="checkbox"/>
SOFT_TRIAL1_NOTE_LEFT	String (4000)	<input checked="" type="checkbox"/>
SOFT_TRIAL2_DATE	Date <i>yyyy-MM-dd</i>	<input checked="" type="checkbox"/>
SOFT_TRIAL2_OCULAR_DOMINANCE_RIGHT	Boolean	<input type="checkbox"/>
SOFT_TRIAL2_OCULAR_DOMINANCE_LEFT	Boolean	<input type="checkbox"/>
SOFT_TRIAL2_BARCODE_RIGHT	String (20)	<input checked="" type="checkbox"/>
SOFT_TRIAL2_DESCRIPTION_RIGHT	String (100)	<input checked="" type="checkbox"/>
SOFT_TRIAL2_BASE_CURVE_RIGHT	String (10)	<input checked="" type="checkbox"/>
SOFT_TRIAL2_DIAMETER_RIGHT	String (10)	<input checked="" type="checkbox"/>
SOFT_TRIAL2_POWER_SPHERE_RIGHT	String (10)	<input checked="" type="checkbox"/>
SOFT_TRIAL2_POWER_CYLINDER_RIGHT	String (10)	<input checked="" type="checkbox"/>
SOFT_TRIAL2_POWER_AXIS_RIGHT	String (10)	<input checked="" type="checkbox"/>
SOFT_TRIAL2_POWER_ADD_RIGHT	String (10)	<input checked="" type="checkbox"/>
SOFT_TRIAL2_OVERREF_SPHERE_RIGHT	String (10)	<input checked="" type="checkbox"/>
SOFT_TRIAL2_OVERREF_CYLINDER_RIGHT	String (10)	<input checked="" type="checkbox"/>
SOFT_TRIAL2_OVERREF_AXIS_RIGHT	String (10)	<input checked="" type="checkbox"/>
SOFT_TRIAL2_OVERREF_ADD_RIGHT	String (10)	<input checked="" type="checkbox"/>
SOFT_TRIAL2_VA_RIGHT	String (10)	<input checked="" type="checkbox"/>
SOFT_TRIAL2_FIT_RIGHT	String (50)	<input checked="" type="checkbox"/>
SOFT_TRIAL2_NOTE_RIGHT	String (4000)	<input checked="" type="checkbox"/>
SOFT_TRIAL2_BARCODE_LEFT	String (20)	<input checked="" type="checkbox"/>
SOFT_TRIAL2_DESCRIPTION_LEFT	String (100)	<input checked="" type="checkbox"/>
SOFT_TRIAL2_BASE_CURVE_LEFT	String (10)	<input checked="" type="checkbox"/>
SOFT_TRIAL2_DIAMETER_LEFT	String (10)	<input checked="" type="checkbox"/>
SOFT_TRIAL2_POWER_SPHERE_LEFT	String (10)	<input checked="" type="checkbox"/>
SOFT_TRIAL2_POWER_CYLINDER_LEFT	String (10)	<input checked="" type="checkbox"/>
SOFT_TRIAL2_POWER_AXIS_LEFT	String (10)	<input checked="" type="checkbox"/>
SOFT_TRIAL2_POWER_ADD_LEFT	String (10)	<input checked="" type="checkbox"/>
SOFT_TRIAL2_OVERREF_SPHERE_LEFT	String (10)	<input checked="" type="checkbox"/>
SOFT_TRIAL2_OVERREF_CYLINDER_LEFT	String (10)	<input checked="" type="checkbox"/>
SOFT_TRIAL2_OVERREF_AXIS_LEFT	String (10)	<input checked="" type="checkbox"/>
SOFT_TRIAL2_OVERREF_ADD_LEFT	String (10)	<input checked="" type="checkbox"/>
SOFT_TRIAL2_VA_LEFT	String (10)	<input checked="" type="checkbox"/>
SOFT_TRIAL2_FIT_LEFT	String (50)	<input checked="" type="checkbox"/>
SOFT_TRIAL2_NOTE_LEFT	String (4000)	<input checked="" type="checkbox"/>
SOFT_TRIAL3_DATE	Date <i>yyyy-MM-dd</i>	<input checked="" type="checkbox"/>
SOFT_TRIAL3_OCULAR_DOMINANCE_RIGHT	Boolean	<input type="checkbox"/>
SOFT_TRIAL3_OCULAR_DOMINANCE_LEFT	Boolean	<input type="checkbox"/>
SOFT_TRIAL3_BARCODE_RIGHT	String (20)	<input checked="" type="checkbox"/>
SOFT_TRIAL3_DESCRIPTION_RIGHT	String (100)	<input checked="" type="checkbox"/>
SOFT_TRIAL3_BASE_CURVE_RIGHT	String (10)	<input checked="" type="checkbox"/>
SOFT_TRIAL3_DIAMETER_RIGHT	String (10)	<input checked="" type="checkbox"/>
SOFT_TRIAL3_POWER_SPHERE_RIGHT	String (10)	<input checked="" type="checkbox"/>
SOFT_TRIAL3_POWER_CYLINDER_RIGHT	String (10)	<input checked="" type="checkbox"/>
SOFT_TRIAL3_POWER_AXIS_RIGHT	String (10)	<input checked="" type="checkbox"/>
SOFT_TRIAL3_POWER_ADD_RIGHT	String (10)	<input checked="" type="checkbox"/>
SOFT_TRIAL3_OVERREF_SPHERE_RIGHT	String (10)	<input checked="" type="checkbox"/>
SOFT_TRIAL3_OVERREF_CYLINDER_RIGHT	String (10)	<input checked="" type="checkbox"/>
SOFT_TRIAL3_OVERREF_AXIS_RIGHT	String (10)	<input checked="" type="checkbox"/>
SOFT_TRIAL3_OVERREF_ADD_RIGHT	String (10)	<input checked="" type="checkbox"/>
SOFT_TRIAL3_VA_RIGHT	String (10)	<input checked="" type="checkbox"/>
SOFT_TRIAL3_FIT_RIGHT	String (50)	<input checked="" type="checkbox"/>
SOFT_TRIAL3_NOTE_RIGHT	String (4000)	<input checked="" type="checkbox"/>
SOFT_TRIAL3_BARCODE_LEFT	String (20)	<input checked="" type="checkbox"/>
SOFT_TRIAL3_DESCRIPTION_LEFT	String (100)	<input checked="" type="checkbox"/>

SOFT_TRIAL3_BASE_CURVE_LEFT	String (10)	<input checked="" type="checkbox"/>
SOFT_TRIAL3_DIAMETER_LEFT	String (10)	<input checked="" type="checkbox"/>
SOFT_TRIAL3_POWER_SPHERE_LEFT	String (10)	<input checked="" type="checkbox"/>
SOFT_TRIAL3_POWER_CYLINDER_LEFT	String (10)	<input checked="" type="checkbox"/>
SOFT_TRIAL3_POWER_AXIS_LEFT	String (10)	<input checked="" type="checkbox"/>
SOFT_TRIAL3_POWER_ADD_LEFT	String (10)	<input checked="" type="checkbox"/>
SOFT_TRIAL3_OVERREF_SPHERE_LEFT	String (10)	<input checked="" type="checkbox"/>
SOFT_TRIAL3_OVERREF_CYLINDER_LEFT	String (10)	<input checked="" type="checkbox"/>
SOFT_TRIAL3_OVERREF_AXIS_LEFT	String (10)	<input checked="" type="checkbox"/>
SOFT_TRIAL3_OVERREF_ADD_LEFT	String (10)	<input checked="" type="checkbox"/>
SOFT_TRIAL3_VA_LEFT	String (10)	<input checked="" type="checkbox"/>
SOFT_TRIAL3_FIT_LEFT	String (50)	<input checked="" type="checkbox"/>
SOFT_TRIAL3_NOTE_LEFT	String (4000)	<input checked="" type="checkbox"/>
SOFT_TRIAL4_DATE	Date <i>yyyy-MM-dd</i>	<input checked="" type="checkbox"/>
SOFT_TRIAL4_OCULAR_DOMINANCE_RIGHT	Boolean	<input type="checkbox"/>
SOFT_TRIAL4_OCULAR_DOMINANCE_LEFT	Boolean	<input type="checkbox"/>
SOFT_TRIAL4_BARCODE_RIGHT	String (20)	<input checked="" type="checkbox"/>
SOFT_TRIAL4_DESCRIPTION_RIGHT	String (100)	<input checked="" type="checkbox"/>
SOFT_TRIAL4_BASE_CURVE_RIGHT	String (10)	<input checked="" type="checkbox"/>
SOFT_TRIAL4_DIAMETER_RIGHT	String (10)	<input checked="" type="checkbox"/>
SOFT_TRIAL4_POWER_SPHERE_RIGHT	String (10)	<input checked="" type="checkbox"/>
SOFT_TRIAL4_POWER_CYLINDER_RIGHT	String (10)	<input checked="" type="checkbox"/>
SOFT_TRIAL4_POWER_AXIS_RIGHT	String (10)	<input checked="" type="checkbox"/>
SOFT_TRIAL4_POWER_ADD_RIGHT	String (10)	<input checked="" type="checkbox"/>
SOFT_TRIAL4_OVERREF_SPHERE_RIGHT	String (10)	<input checked="" type="checkbox"/>
SOFT_TRIAL4_OVERREF_CYLINDER_RIGHT	String (10)	<input checked="" type="checkbox"/>
SOFT_TRIAL4_OVERREF_AXIS_RIGHT	String (10)	<input checked="" type="checkbox"/>
SOFT_TRIAL4_OVERREF_ADD_RIGHT	String (10)	<input checked="" type="checkbox"/>
SOFT_TRIAL4_VA_RIGHT	String (10)	<input checked="" type="checkbox"/>
SOFT_TRIAL4_FIT_RIGHT	String (50)	<input checked="" type="checkbox"/>
SOFT_TRIAL4_NOTE_RIGHT	String (4000)	<input checked="" type="checkbox"/>
SOFT_TRIAL4_BARCODE_LEFT	String (20)	<input checked="" type="checkbox"/>
SOFT_TRIAL4_DESCRIPTION_LEFT	String (100)	<input checked="" type="checkbox"/>
SOFT_TRIAL4_BASE_CURVE_LEFT	String (10)	<input checked="" type="checkbox"/>
SOFT_TRIAL4_DIAMETER_LEFT	String (10)	<input checked="" type="checkbox"/>
SOFT_TRIAL4_POWER_SPHERE_LEFT	String (10)	<input checked="" type="checkbox"/>
SOFT_TRIAL4_POWER_CYLINDER_LEFT	String (10)	<input checked="" type="checkbox"/>
SOFT_TRIAL4_POWER_AXIS_LEFT	String (10)	<input checked="" type="checkbox"/>
SOFT_TRIAL4_POWER_ADD_LEFT	String (10)	<input checked="" type="checkbox"/>
SOFT_TRIAL4_OVERREF_SPHERE_LEFT	String (10)	<input checked="" type="checkbox"/>
SOFT_TRIAL4_OVERREF_CYLINDER_LEFT	String (10)	<input checked="" type="checkbox"/>
SOFT_TRIAL4_OVERREF_AXIS_LEFT	String (10)	<input checked="" type="checkbox"/>
SOFT_TRIAL4_OVERREF_ADD_LEFT	String (10)	<input checked="" type="checkbox"/>
SOFT_TRIAL4_VA_LEFT	String (10)	<input checked="" type="checkbox"/>
SOFT_TRIAL4_FIT_LEFT	String (50)	<input checked="" type="checkbox"/>
SOFT_TRIAL4_NOTE_LEFT	String (4000)	<input checked="" type="checkbox"/>
SOFT_FINAL_BARCODE_RIGHT	String (20)	<input checked="" type="checkbox"/>
SOFT_FINAL_DESCRIPTION_RIGHT	String (100)	<input checked="" type="checkbox"/>
SOFT_FINAL_BASE_CURVE_RIGHT	String (10)	<input checked="" type="checkbox"/>
SOFT_FINAL_DIAMETER_RIGHT	String (10)	<input checked="" type="checkbox"/>
SOFT_FINAL_POWER_SPHERE_RIGHT	String (10)	<input checked="" type="checkbox"/>
SOFT_FINAL_POWER_CYLINDER_RIGHT	String (10)	<input checked="" type="checkbox"/>
SOFT_FINAL_POWER_AXIS_RIGHT	String (10)	<input checked="" type="checkbox"/>
SOFT_FINAL_POWER_ADD_RIGHT	String (10)	<input checked="" type="checkbox"/>
SOFT_FINAL_POWER_DNHML_RIGHT	String (1)	<input checked="" type="checkbox"/>
SOFT_FINAL_POWER_MONO_DN_RIGHT	String (1)	<input checked="" type="checkbox"/>
SOFT_FINAL_BARCODE_LEFT	String (20)	<input checked="" type="checkbox"/>

SOFT_FINAL_DESCRIPTION_LEFT	String (100)	<input checked="" type="checkbox"/>
SOFT_FINAL_BASE_CURVE_LEFT	String (10)	<input checked="" type="checkbox"/>
SOFT_FINAL_DIAMETER_LEFT	String (10)	<input checked="" type="checkbox"/>
SOFT_FINAL_POWER_SPHERE_LEFT	String (10)	<input checked="" type="checkbox"/>
SOFT_FINAL_POWER_CYLINDER_LEFT	String (10)	<input checked="" type="checkbox"/>
SOFT_FINAL_POWER_AXIS_LEFT	String (10)	<input checked="" type="checkbox"/>
SOFT_FINAL_POWER_ADD_LEFT	String (10)	<input checked="" type="checkbox"/>
SOFT_FINAL_POWER_DNHML_LEFT	String (1)	<input checked="" type="checkbox"/>
SOFT_FINAL_POWER_MONO_DN_LEFT	String (1)	<input checked="" type="checkbox"/>
SOFT_FINAL_NOTE	String (4000)	<input checked="" type="checkbox"/>
RGP_TRIAL1_DATE	Date <i>yyyy-MM-dd</i>	<input checked="" type="checkbox"/>
RGP_TRIAL1_DESIGN	String (20)	<input checked="" type="checkbox"/>
RGP_TRIAL1_OCULAR_DOMINANCE_RIGHT	Boolean	<input type="checkbox"/>
RGP_TRIAL1_OCULAR_DOMINANCE_LEFT	Boolean	<input type="checkbox"/>
RGP_TRIAL1_BARCODE_RIGHT	String (20)	<input checked="" type="checkbox"/>
RGP_TRIAL1_DESCRIPTION_RIGHT	String (100)	<input checked="" type="checkbox"/>
RGP_TRIAL1_BASE_CURVE1_RIGHT	String (10)	<input checked="" type="checkbox"/>
RGP_TRIAL1_BASE_CURVE2_RIGHT	String (10)	<input checked="" type="checkbox"/>
RGP_TRIAL1_BASE_CURVE3_RIGHT	String (10)	<input checked="" type="checkbox"/>
RGP_TRIAL1_DIAMETER1_RIGHT	String (10)	<input checked="" type="checkbox"/>
RGP_TRIAL1_DIAMETER2_RIGHT	String (10)	<input checked="" type="checkbox"/>
RGP_TRIAL1_DIAMETER3_RIGHT	String (10)	<input checked="" type="checkbox"/>
RGP_TRIAL1_POWER_SPHERE_RIGHT	String (10)	<input checked="" type="checkbox"/>
RGP_TRIAL1_POWER_CYLINDER_RIGHT	String (10)	<input checked="" type="checkbox"/>
RGP_TRIAL1_POWER_AXIS_RIGHT	String (10)	<input checked="" type="checkbox"/>
RGP_TRIAL1_POWER_ADD_RIGHT	String (10)	<input checked="" type="checkbox"/>
RGP_TRIAL1_OVERREF_SPHERE_RIGHT	String (10)	<input checked="" type="checkbox"/>
RGP_TRIAL1_OVERREF_CYLINDER_RIGHT	String (10)	<input checked="" type="checkbox"/>
RGP_TRIAL1_OVERREF_AXIS_RIGHT	String (10)	<input checked="" type="checkbox"/>
RGP_TRIAL1_OVERREF_ADD_RIGHT	String (10)	<input checked="" type="checkbox"/>
RGP_TRIAL1_VA_RIGHT	String (15)	<input checked="" type="checkbox"/>
RGP_TRIAL1_FIT_RIGHT	String (50)	<input checked="" type="checkbox"/>
RGP_TRIAL1_OPTIC_SIZE_RIGHT	String (10)	<input checked="" type="checkbox"/>
RGP_TRIAL1_NOTE_RIGHT	String (4000)	<input checked="" type="checkbox"/>
RGP_TRIAL1_BARCODE_LEFT	String (20)	<input checked="" type="checkbox"/>
RGP_TRIAL1_DESCRIPTION_LEFT	String (100)	<input checked="" type="checkbox"/>
RGP_TRIAL1_BASE_CURVE1_LEFT	String (10)	<input checked="" type="checkbox"/>
RGP_TRIAL1_BASE_CURVE2_LEFT	String (10)	<input checked="" type="checkbox"/>
RGP_TRIAL1_BASE_CURVE3_LEFT	String (10)	<input checked="" type="checkbox"/>
RGP_TRIAL1_DIAMETER1_LEFT	String (10)	<input checked="" type="checkbox"/>
RGP_TRIAL1_DIAMETER2_LEFT	String (10)	<input checked="" type="checkbox"/>
RGP_TRIAL1_DIAMETER3_LEFT	String (10)	<input checked="" type="checkbox"/>
RGP_TRIAL1_POWER_SPHERE_LEFT	String (10)	<input checked="" type="checkbox"/>
RGP_TRIAL1_POWER_CYLINDER_LEFT	String (10)	<input checked="" type="checkbox"/>
RGP_TRIAL1_POWER_AXIS_LEFT	String (10)	<input checked="" type="checkbox"/>
RGP_TRIAL1_POWER_ADD_LEFT	String (10)	<input checked="" type="checkbox"/>
RGP_TRIAL1_OVERREF_SPHERE_LEFT	String (10)	<input checked="" type="checkbox"/>
RGP_TRIAL1_OVERREF_CYLINDER_LEFT	String (10)	<input checked="" type="checkbox"/>
RGP_TRIAL1_OVERREF_AXIS_LEFT	String (10)	<input checked="" type="checkbox"/>
RGP_TRIAL1_OVERREF_ADD_LEFT	String (10)	<input checked="" type="checkbox"/>
RGP_TRIAL1_VA_LEFT	String (15)	<input checked="" type="checkbox"/>
RGP_TRIAL1_FIT_LEFT	String (50)	<input checked="" type="checkbox"/>
RGP_TRIAL1_OPTIC_SIZE_LEFT	String (10)	<input checked="" type="checkbox"/>
RGP_TRIAL1_NOTE_LEFT	String (4000)	<input checked="" type="checkbox"/>
RGP_TRIAL2_DATE	Date <i>yyyy-MM-dd</i>	<input checked="" type="checkbox"/>
RGP_TRIAL2_DESIGN	String (20)	<input checked="" type="checkbox"/>
RGP_TRIAL2_OCULAR_DOMINANCE_RIGHT	Boolean	<input type="checkbox"/>

RGP_TRIAL2_OCULAR_DOMINANCE_LEFT	Boolean	<input checked="" type="checkbox"/>
RGP_TRIAL2_BARCODE_RIGHT	String (20)	<input checked="" type="checkbox"/>
RGP_TRIAL2_DESCRIPTION_RIGHT	String (100)	<input checked="" type="checkbox"/>
RGP_TRIAL2_BASE_CURVE1_RIGHT	String (10)	<input checked="" type="checkbox"/>
RGP_TRIAL2_BASE_CURVE2_RIGHT	String (10)	<input checked="" type="checkbox"/>
RGP_TRIAL2_BASE_CURVE3_RIGHT	String (10)	<input checked="" type="checkbox"/>
RGP_TRIAL2_DIAMETER1_RIGHT	String (10)	<input checked="" type="checkbox"/>
RGP_TRIAL2_DIAMETER2_RIGHT	String (10)	<input checked="" type="checkbox"/>
RGP_TRIAL2_DIAMETER3_RIGHT	String (10)	<input checked="" type="checkbox"/>
RGP_TRIAL2_POWER_SPHERE_RIGHT	String (10)	<input checked="" type="checkbox"/>
RGP_TRIAL2_POWER_CYLINDER_RIGHT	String (10)	<input checked="" type="checkbox"/>
RGP_TRIAL2_POWER_AXIS_RIGHT	String (10)	<input checked="" type="checkbox"/>
RGP_TRIAL2_POWER_ADD_RIGHT	String (10)	<input checked="" type="checkbox"/>
RGP_TRIAL2_OVERREF_SPHERE_RIGHT	String (10)	<input checked="" type="checkbox"/>
RGP_TRIAL2_OVERREF_CYLINDER_RIGHT	String (10)	<input checked="" type="checkbox"/>
RGP_TRIAL2_OVERREF_AXIS_RIGHT	String (10)	<input checked="" type="checkbox"/>
RGP_TRIAL2_OVERREF_ADD_RIGHT	String (10)	<input checked="" type="checkbox"/>
RGP_TRIAL2_VA_RIGHT	String (15)	<input checked="" type="checkbox"/>
RGP_TRIAL2_FIT_RIGHT	String (50)	<input checked="" type="checkbox"/>
RGP_TRIAL2_OPTIC_SIZE_RIGHT	String (10)	<input checked="" type="checkbox"/>
RGP_TRIAL2_NOTE_RIGHT	String (4000)	<input checked="" type="checkbox"/>
RGP_TRIAL2_BARCODE_LEFT	String (20)	<input checked="" type="checkbox"/>
RGP_TRIAL2_DESCRIPTION_LEFT	String (100)	<input checked="" type="checkbox"/>
RGP_TRIAL2_BASE_CURVE1_LEFT	String (10)	<input checked="" type="checkbox"/>
RGP_TRIAL2_BASE_CURVE2_LEFT	String (10)	<input checked="" type="checkbox"/>
RGP_TRIAL2_BASE_CURVE3_LEFT	String (10)	<input checked="" type="checkbox"/>
RGP_TRIAL2_DIAMETER1_LEFT	String (10)	<input checked="" type="checkbox"/>
RGP_TRIAL2_DIAMETER2_LEFT	String (10)	<input checked="" type="checkbox"/>
RGP_TRIAL2_DIAMETER3_LEFT	String (10)	<input checked="" type="checkbox"/>
RGP_TRIAL2_POWER_SPHERE_LEFT	String (10)	<input checked="" type="checkbox"/>
RGP_TRIAL2_POWER_CYLINDER_LEFT	String (10)	<input checked="" type="checkbox"/>
RGP_TRIAL2_POWER_AXIS_LEFT	String (10)	<input checked="" type="checkbox"/>
RGP_TRIAL2_POWER_ADD_LEFT	String (10)	<input checked="" type="checkbox"/>
RGP_TRIAL2_OVERREF_SPHERE_LEFT	String (10)	<input checked="" type="checkbox"/>
RGP_TRIAL2_OVERREF_CYLINDER_LEFT	String (10)	<input checked="" type="checkbox"/>
RGP_TRIAL2_OVERREF_AXIS_LEFT	String (10)	<input checked="" type="checkbox"/>
RGP_TRIAL2_OVERREF_ADD_LEFT	String (10)	<input checked="" type="checkbox"/>
RGP_TRIAL2_VA_LEFT	String (15)	<input checked="" type="checkbox"/>
RGP_TRIAL2_FIT_LEFT	String (50)	<input checked="" type="checkbox"/>
RGP_TRIAL2_OPTIC_SIZE_LEFT	String (10)	<input checked="" type="checkbox"/>
RGP_TRIAL2_NOTE_LEFT	String (4000)	<input checked="" type="checkbox"/>
RGP_TRIAL3_DATE	Date <i>yyyy-MM-dd</i>	<input checked="" type="checkbox"/>
RGP_TRIAL3_DESIGN	String (20)	<input checked="" type="checkbox"/>
RGP_TRIAL3_OCULAR_DOMINANCE_RIGHT	Boolean	<input checked="" type="checkbox"/>
RGP_TRIAL3_OCULAR_DOMINANCE_LEFT	Boolean	<input checked="" type="checkbox"/>
RGP_TRIAL3_BARCODE_RIGHT	String (20)	<input checked="" type="checkbox"/>
RGP_TRIAL3_DESCRIPTION_RIGHT	String (100)	<input checked="" type="checkbox"/>
RGP_TRIAL3_BASE_CURVE1_RIGHT	String (10)	<input checked="" type="checkbox"/>
RGP_TRIAL3_BASE_CURVE2_RIGHT	String (10)	<input checked="" type="checkbox"/>
RGP_TRIAL3_BASE_CURVE3_RIGHT	String (10)	<input checked="" type="checkbox"/>
RGP_TRIAL3_DIAMETER1_RIGHT	String (10)	<input checked="" type="checkbox"/>
RGP_TRIAL3_DIAMETER2_RIGHT	String (10)	<input checked="" type="checkbox"/>
RGP_TRIAL3_DIAMETER3_RIGHT	String (10)	<input checked="" type="checkbox"/>
RGP_TRIAL3_POWER_SPHERE_RIGHT	String (10)	<input checked="" type="checkbox"/>
RGP_TRIAL3_POWER_CYLINDER_RIGHT	String (10)	<input checked="" type="checkbox"/>
RGP_TRIAL3_POWER_AXIS_RIGHT	String (10)	<input checked="" type="checkbox"/>
RGP_TRIAL3_POWER_ADD_RIGHT	String (10)	<input checked="" type="checkbox"/>

RGP_TRIAL3_OVERREF_SPHERE_RIGHT	String (10)	<input checked="" type="checkbox"/>
RGP_TRIAL3_OVERREF_CYLINDER_RIGHT	String (10)	<input checked="" type="checkbox"/>
RGP_TRIAL3_OVERREF_AXIS_RIGHT	String (10)	<input checked="" type="checkbox"/>
RGP_TRIAL3_OVERREF_ADD_RIGHT	String (10)	<input checked="" type="checkbox"/>
RGP_TRIAL3_VA_RIGHT	String (15)	<input checked="" type="checkbox"/>
RGP_TRIAL3_FIT_RIGHT	String (50)	<input checked="" type="checkbox"/>
RGP_TRIAL3_OPTIC_SIZE_RIGHT	String (10)	<input checked="" type="checkbox"/>
RGP_TRIAL3_NOTE_RIGHT	String (4000)	<input checked="" type="checkbox"/>
RGP_TRIAL3_BARCODE_LEFT	String (20)	<input checked="" type="checkbox"/>
RGP_TRIAL3_DESCRIPTION_LEFT	String (100)	<input checked="" type="checkbox"/>
RGP_TRIAL3_BASE_CURVE1_LEFT	String (10)	<input checked="" type="checkbox"/>
RGP_TRIAL3_BASE_CURVE2_LEFT	String (10)	<input checked="" type="checkbox"/>
RGP_TRIAL3_BASE_CURVE3_LEFT	String (10)	<input checked="" type="checkbox"/>
RGP_TRIAL3_DIAMETER1_LEFT	String (10)	<input checked="" type="checkbox"/>
RGP_TRIAL3_DIAMETER2_LEFT	String (10)	<input checked="" type="checkbox"/>
RGP_TRIAL3_DIAMETER3_LEFT	String (10)	<input checked="" type="checkbox"/>
RGP_TRIAL3_POWER_SPHERE_LEFT	String (10)	<input checked="" type="checkbox"/>
RGP_TRIAL3_POWER_CYLINDER_LEFT	String (10)	<input checked="" type="checkbox"/>
RGP_TRIAL3_POWER_AXIS_LEFT	String (10)	<input checked="" type="checkbox"/>
RGP_TRIAL3_POWER_ADD_LEFT	String (10)	<input checked="" type="checkbox"/>
RGP_TRIAL3_OVERREF_SPHERE_LEFT	String (10)	<input checked="" type="checkbox"/>
RGP_TRIAL3_OVERREF_CYLINDER_LEFT	String (10)	<input checked="" type="checkbox"/>
RGP_TRIAL3_OVERREF_AXIS_LEFT	String (10)	<input checked="" type="checkbox"/>
RGP_TRIAL3_OVERREF_ADD_LEFT	String (10)	<input checked="" type="checkbox"/>
RGP_TRIAL3_VA_LEFT	String (15)	<input checked="" type="checkbox"/>
RGP_TRIAL3_FIT_LEFT	String (50)	<input checked="" type="checkbox"/>
RGP_TRIAL3_OPTIC_SIZE_LEFT	String (10)	<input checked="" type="checkbox"/>
RGP_TRIAL3_NOTE_LEFT	String (4000)	<input checked="" type="checkbox"/>
RGP_TRIAL4_DATE	Date <i>yyyy-MM-dd</i>	<input checked="" type="checkbox"/>
RGP_TRIAL4_DESIGN	String (20)	<input checked="" type="checkbox"/>
RGP_TRIAL4_OCULAR_DOMINANCE_RIGHT	Boolean	<input type="checkbox"/>
RGP_TRIAL4_OCULAR_DOMINANCE_LEFT	Boolean	<input type="checkbox"/>
RGP_TRIAL4_BARCODE_RIGHT	String (20)	<input checked="" type="checkbox"/>
RGP_TRIAL4_DESCRIPTION_RIGHT	String (100)	<input checked="" type="checkbox"/>
RGP_TRIAL4_BASE_CURVE1_RIGHT	String (10)	<input checked="" type="checkbox"/>
RGP_TRIAL4_BASE_CURVE2_RIGHT	String (10)	<input checked="" type="checkbox"/>
RGP_TRIAL4_BASE_CURVE3_RIGHT	String (10)	<input checked="" type="checkbox"/>
RGP_TRIAL4_DIAMETER1_RIGHT	String (10)	<input checked="" type="checkbox"/>
RGP_TRIAL4_DIAMETER2_RIGHT	String (10)	<input checked="" type="checkbox"/>
RGP_TRIAL4_DIAMETER3_RIGHT	String (10)	<input checked="" type="checkbox"/>
RGP_TRIAL4_POWER_SPHERE_RIGHT	String (10)	<input checked="" type="checkbox"/>
RGP_TRIAL4_POWER_CYLINDER_RIGHT	String (10)	<input checked="" type="checkbox"/>
RGP_TRIAL4_POWER_AXIS_RIGHT	String (10)	<input checked="" type="checkbox"/>
RGP_TRIAL4_POWER_ADD_RIGHT	String (10)	<input checked="" type="checkbox"/>
RGP_TRIAL4_OVERREF_SPHERE_RIGHT	String (10)	<input checked="" type="checkbox"/>
RGP_TRIAL4_OVERREF_CYLINDER_RIGHT	String (10)	<input checked="" type="checkbox"/>
RGP_TRIAL4_OVERREF_AXIS_RIGHT	String (10)	<input checked="" type="checkbox"/>
RGP_TRIAL4_OVERREF_ADD_RIGHT	String (10)	<input checked="" type="checkbox"/>
RGP_TRIAL4_VA_RIGHT	String (15)	<input checked="" type="checkbox"/>
RGP_TRIAL4_FIT_RIGHT	String (50)	<input checked="" type="checkbox"/>
RGP_TRIAL4_OPTIC_SIZE_RIGHT	String (10)	<input checked="" type="checkbox"/>
RGP_TRIAL4_NOTE_RIGHT	String (4000)	<input checked="" type="checkbox"/>
RGP_TRIAL4_BARCODE_LEFT	String (20)	<input checked="" type="checkbox"/>
RGP_TRIAL4_DESCRIPTION_LEFT	String (100)	<input checked="" type="checkbox"/>
RGP_TRIAL4_BASE_CURVE1_LEFT	String (10)	<input checked="" type="checkbox"/>
RGP_TRIAL4_BASE_CURVE2_LEFT	String (10)	<input checked="" type="checkbox"/>
RGP_TRIAL4_BASE_CURVE3_LEFT	String (10)	<input checked="" type="checkbox"/>

RGP_TRIAL4_DIAMETER1_LEFT	String (10)	<input checked="" type="checkbox"/>
RGP_TRIAL4_DIAMETER2_LEFT	String (10)	<input checked="" type="checkbox"/>
RGP_TRIAL4_DIAMETER3_LEFT	String (10)	<input checked="" type="checkbox"/>
RGP_TRIAL4_POWER_SPHERE_LEFT	String (10)	<input checked="" type="checkbox"/>
RGP_TRIAL4_POWER_CYLINDER_LEFT	String (10)	<input checked="" type="checkbox"/>
RGP_TRIAL4_POWER_AXIS_LEFT	String (10)	<input checked="" type="checkbox"/>
RGP_TRIAL4_POWER_ADD_LEFT	String (10)	<input checked="" type="checkbox"/>
RGP_TRIAL4_OVERREF_SPHERE_LEFT	String (10)	<input checked="" type="checkbox"/>
RGP_TRIAL4_OVERREF_CYLINDER_LEFT	String (10)	<input checked="" type="checkbox"/>
RGP_TRIAL4_OVERREF_AXIS_LEFT	String (10)	<input checked="" type="checkbox"/>
RGP_TRIAL4_OVERREF_ADD_LEFT	String (10)	<input checked="" type="checkbox"/>
RGP_TRIAL4_VA_LEFT	String (15)	<input checked="" type="checkbox"/>
RGP_TRIAL4_FIT_LEFT	String (50)	<input checked="" type="checkbox"/>
RGP_TRIAL4_OPTIC_SIZE_LEFT	String (10)	<input checked="" type="checkbox"/>
RGP_TRIAL4_NOTE_LEFT	String (4000)	<input checked="" type="checkbox"/>
RGP_FINAL_DESIGN	String (20)	<input checked="" type="checkbox"/>
RGP_FINAL_MATERIAL	String (20)	<input checked="" type="checkbox"/>
RGP_FINAL_TINT_RIGHT	String (20)	<input checked="" type="checkbox"/>
RGP_FINAL_BARCODE_RIGHT	String (20)	<input checked="" type="checkbox"/>
RGP_FINAL_DESCRIPTION_RIGHT	String (100)	<input checked="" type="checkbox"/>
RGP_FINAL_BASE_CURVE1_RIGHT	String (10)	<input checked="" type="checkbox"/>
RGP_FINAL_BASE_CURVE2_RIGHT	String (10)	<input checked="" type="checkbox"/>
RGP_FINAL_BASE_CURVE3_RIGHT	String (10)	<input checked="" type="checkbox"/>
RGP_FINAL_DIAMETER1_RIGHT	String (10)	<input checked="" type="checkbox"/>
RGP_FINAL_DIAMETER2_RIGHT	String (10)	<input checked="" type="checkbox"/>
RGP_FINAL_DIAMETER3_RIGHT	String (10)	<input checked="" type="checkbox"/>
RGP_FINAL_POWER_SPHERE1_RIGHT	String (10)	<input checked="" type="checkbox"/>
RGP_FINAL_POWER_SPHERE2_RIGHT	String (10)	<input checked="" type="checkbox"/>
RGP_FINAL_POWER_CYLINDER_RIGHT	String (10)	<input checked="" type="checkbox"/>
RGP_FINAL_POWER_AXIS_RIGHT	String (10)	<input checked="" type="checkbox"/>
RGP_FINAL_POWER_ADD_RIGHT	String (10)	<input checked="" type="checkbox"/>
RGP_FINAL_POWER_DNHML_RIGHT	String (1)	<input checked="" type="checkbox"/>
RGP_FINAL_OPTIC_SIZE_RIGHT	String (10)	<input checked="" type="checkbox"/>
RGP_FINAL_TOTAL_DIAM_RIGHT	Double	<input checked="" type="checkbox"/>
RGP_FINAL_NOTE	String (4000)	<input checked="" type="checkbox"/>
RGP_FINAL_TINT_LEFT	String (20)	<input checked="" type="checkbox"/>
RGP_FINAL_BARCODE_LEFT	String (20)	<input checked="" type="checkbox"/>
RGP_FINAL_DESCRIPTION_LEFT	String (100)	<input checked="" type="checkbox"/>
RGP_FINAL_BASE_CURVE1_LEFT	String (10)	<input checked="" type="checkbox"/>
RGP_FINAL_BASE_CURVE2_LEFT	String (10)	<input checked="" type="checkbox"/>
RGP_FINAL_BASE_CURVE3_LEFT	String (10)	<input checked="" type="checkbox"/>
RGP_FINAL_DIAMETER1_LEFT	String (10)	<input checked="" type="checkbox"/>
RGP_FINAL_DIAMETER2_LEFT	String (10)	<input checked="" type="checkbox"/>
RGP_FINAL_DIAMETER3_LEFT	String (10)	<input checked="" type="checkbox"/>
RGP_FINAL_POWER_SPHERE1_LEFT	String (10)	<input checked="" type="checkbox"/>
RGP_FINAL_POWER_SPHERE2_LEFT	String (10)	<input checked="" type="checkbox"/>
RGP_FINAL_POWER_CYLINDER_LEFT	String (10)	<input checked="" type="checkbox"/>
RGP_FINAL_POWER_AXIS_LEFT	String (10)	<input checked="" type="checkbox"/>
RGP_FINAL_POWER_ADD_LEFT	String (10)	<input checked="" type="checkbox"/>
RGP_FINAL_POWER_DNHML_LEFT	String (1)	<input checked="" type="checkbox"/>
RGP_FINAL_OPTIC_SIZE_LEFT	String (10)	<input checked="" type="checkbox"/>
RGP_FINAL_TOTAL_DIAM_LEFT	Double	<input checked="" type="checkbox"/>
EXISTING_RX_DOMINANCE_RIGHT	Boolean	<input checked="" type="checkbox"/>
EXISTING_RX_DOMINANCE_LEFT	Boolean	<input checked="" type="checkbox"/>
EXISTING_RX_BARCODE_RIGHT	String (20)	<input checked="" type="checkbox"/>
EXISTING_RX_DESCRIPTION_RIGHT	String (100)	<input checked="" type="checkbox"/>
EXISTING_RX_BASE_CURVE1_RIGHT	String (10)	<input checked="" type="checkbox"/>

EXISTING_RX_BASE_CURVE2_RIGHT	String (10)	<input checked="" type="checkbox"/>
EXISTING_RX_BASE_CURVE3_RIGHT	String (10)	<input checked="" type="checkbox"/>
EXISTING_RX_DIAMETER1_RIGHT	String (10)	<input checked="" type="checkbox"/>
EXISTING_RX_DIAMETER2_RIGHT	String (10)	<input checked="" type="checkbox"/>
EXISTING_RX_DIAMETER3_RIGHT	String (10)	<input checked="" type="checkbox"/>
EXISTING_RX_POWER_SPHERE1_RIGHT	String (10)	<input checked="" type="checkbox"/>
EXISTING_RX_POWER_SPHERE2_RIGHT	String (10)	<input checked="" type="checkbox"/>
EXISTING_RX_POWER_CYLINDER_RIGHT	String (10)	<input checked="" type="checkbox"/>
EXISTING_RX_POWER_AXIS_RIGHT	String (10)	<input checked="" type="checkbox"/>
EXISTING_RX_POWER_ADD_RIGHT	String (10)	<input checked="" type="checkbox"/>
EXISTING_RX_OPTIC_SIZE_RIGHT	String (10)	<input checked="" type="checkbox"/>
EXISTING_RX_POWER_DNHML_RIGHT	String (1)	<input checked="" type="checkbox"/>
EXISTING_RX_POWER_MONO_DN_RIGHT	String (1)	<input checked="" type="checkbox"/>
EXISTING_RX_BARCODE_LEFT	Boolean	<input checked="" type="checkbox"/>
EXISTING_RX_DESCRIPTION_LEFT	Boolean	<input checked="" type="checkbox"/>
EXISTING_RX_BASE_CURVE1_LEFT	String (20)	<input checked="" type="checkbox"/>
EXISTING_RX_BASE_CURVE2_LEFT	String (100)	<input checked="" type="checkbox"/>
EXISTING_RX_BASE_CURVE3_LEFT	String (10)	<input checked="" type="checkbox"/>
EXISTING_RX_DIAMETER1_LEFT	String (10)	<input checked="" type="checkbox"/>
EXISTING_RX_DIAMETER2_LEFT	String (10)	<input checked="" type="checkbox"/>
EXISTING_RX_DIAMETER3_LEFT	String (10)	<input checked="" type="checkbox"/>
EXISTING_RX_POWER_SPHERE1_LEFT	String (10)	<input checked="" type="checkbox"/>
EXISTING_RX_POWER_SPHERE2_LEFT	String (10)	<input checked="" type="checkbox"/>
EXISTING_RX_POWER_CYLINDER_LEFT	String (10)	<input checked="" type="checkbox"/>
EXISTING_RX_POWER_AXIS_LEFT	String (10)	<input checked="" type="checkbox"/>
EXISTING_RX_POWER_ADD_LEFT	String (10)	<input checked="" type="checkbox"/>
EXISTING_RX_OPTIC_SIZE_LEFT	String (10)	<input checked="" type="checkbox"/>
EXISTING_RX_POWER_DNHML_LEFT	String (10)	<input checked="" type="checkbox"/>
EXISTING_RX_POWER_MONO_DN_LEFT	String (10)	<input checked="" type="checkbox"/>
EXISTING_RX_SOLUTION	String (4000)	<input checked="" type="checkbox"/>
EXISTING_RX_NOTE	String (4000)	<input checked="" type="checkbox"/>
WEARING_TIME_HOURS	Double	<input checked="" type="checkbox"/>
WEARING_TIME_DAY	Double	<input checked="" type="checkbox"/>
WEARING_TIME_NIGHT	Double	<input checked="" type="checkbox"/>
WEARING_COMFORT	String (60)	<input checked="" type="checkbox"/>
WEARING_COMMENT	String (4000)	<input checked="" type="checkbox"/>
WEARING_DISTANCE_VA_RIGHT	String (15)	<input checked="" type="checkbox"/>
WEARING_NEAR_VA_RIGHT	String (15)	<input checked="" type="checkbox"/>
WEARING_OVERREF_SPHERE_RIGHT	String (10)	<input checked="" type="checkbox"/>
WEARING_OVERREF_CYLINDER_RIGHT	String (10)	<input checked="" type="checkbox"/>
WEARING_OVERREF_AXIS_RIGHT	String (10)	<input checked="" type="checkbox"/>
WEARING_OVERREF_ADD_RIGHT	String (10)	<input checked="" type="checkbox"/>
WEARING_OVERREF_FINAL_VA_RIGHT	String (15)	<input checked="" type="checkbox"/>
WEARING_OVERREF_FIT_RIGHT	String (100)	<input checked="" type="checkbox"/>
WEARING_NOTE_RIGHT	String (4000)	<input checked="" type="checkbox"/>
WEARING_DISTANCE_VA_LEFT	String (15)	<input checked="" type="checkbox"/>
WEARING_NEAR_VA_LEFT	String (15)	<input checked="" type="checkbox"/>
WEARING_OVERREF_SPHERE_LEFT	String (10)	<input checked="" type="checkbox"/>
WEARING_OVERREF_CYLINDER_LEFT	String (10)	<input checked="" type="checkbox"/>
WEARING_OVERREF_AXIS_LEFT	String (10)	<input checked="" type="checkbox"/>
WEARING_OVERREF_ADD_LEFT	String (10)	<input checked="" type="checkbox"/>
WEARING_OVERREF_FINAL_VA_LEFT	String (15)	<input checked="" type="checkbox"/>
WEARING_OVERREF_FIT_LEFT	String (100)	<input checked="" type="checkbox"/>
WEARING_NOTE_LEFT	String (4000)	<input checked="" type="checkbox"/>
NEW_RX_DOMINANCE_RIGHT	Boolean	<input checked="" type="checkbox"/>
NEW_RX_DOMINANCE_LEFT	Boolean	<input checked="" type="checkbox"/>
NEW_RX_BARCODE_RIGHT	String (20)	<input checked="" type="checkbox"/>

NEW_RX_DESCRIPTION_RIGHT	String (100)	✓
NEW_RX_BASE_CURVE1_RIGHT	String (10)	✓
NEW_RX_BASE_CURVE2_RIGHT	String (10)	✓
NEW_RX_BASE_CURVE3_RIGHT	String (10)	✓
NEW_RX_DIAMETER1_RIGHT	String (10)	✓
NEW_RX_DIAMETER2_RIGHT	String (10)	✓
NEW_RX_DIAMETER3_RIGHT	String (10)	✓
NEW_RX_POWER_SPHERE1_RIGHT	String (10)	✓
NEW_RX_POWER_SPHERE2_RIGHT	String (10)	✓
NEW_RX_POWER_CYLINDER_RIGHT	String (10)	✓
NEW_RX_POWER_AXIS_RIGHT	String (10)	✓
NEW_RX_POWER_ADD_RIGHT	String (10)	✓
NEW_RX_OPTIC_SIZE_RIGHT	String (10)	✓
NEW_RX_POWER_DNHML_RIGHT	String (1)	✓
NEW_RX_POWER_MONO_DN_RIGHT	String (1)	✓
NEW_RX_BARCODE_LEFT	String (20)	✓
NEW_RX_DESCRIPTION_LEFT	String (100)	✓
NEW_RX_BASE_CURVE1_LEFT	String (10)	✓
NEW_RX_BASE_CURVE2_LEFT	String (10)	✓
NEW_RX_BASE_CURVE3_LEFT	String (10)	✓
NEW_RX_DIAMETER1_LEFT	String (10)	✓
NEW_RX_DIAMETER2_LEFT	String (10)	✓
NEW_RX_DIAMETER3_LEFT	String (10)	✓
NEW_RX_POWER_SPHERE1_LEFT	String (10)	✓
NEW_RX_POWER_SPHERE2_LEFT	String (10)	✓
NEW_RX_POWER_CYLINDER_LEFT	String (10)	✓
NEW_RX_POWER_AXIS_LEFT	String (10)	✓
NEW_RX_POWER_ADD_LEFT	String (10)	✓
NEW_RX_OPTIC_SIZE_LEFT	String (10)	✓
NEW_RX_POWER_DNHML_LEFT	String (1)	✓
NEW_RX_POWER_MONO_DN_LEFT	String (1)	✓

## APPENDIX D: SELF-HOSTED CONFIGURATION

```

<?xml version="1.0" encoding="utf-8"?>
<configuration>
  <configSections>
    <section name="entityFramework" type="System.Data.Entity.Internal.ConfigFile.EntityFrameworkSection, EntityFramework, Version=6.0.0.0, Culture=neutral, PublicKeyToken=b77a5c561934e089" requirePermission="false" />
  </configSections>
  <appSettings>
    <add key="Host" value="http://localhost:12000/" />
    <add key="ExecutionTimeout" value="" />
  </appSettings>
  <startup>
    <supportedRuntime version="v4.0" sku=".NETFramework,Version=v4.8" />
  </startup>
  <runtime>
    <assemblyBinding xmlns="urn:schemas-microsoft-com:asm.v1">
      <dependentAssembly>
        <assemblyIdentity name="System.Net.Http.Formatting" publicKeyToken="31bf3856ad364e35" culture="neutral" />
        <bindingRedirect oldVersion="0.0.0.0-5.2.7.0" newVersion="5.2.7.0" />
      </dependentAssembly>
      <dependentAssembly>
        <assemblyIdentity name="System.Web.Http" publicKeyToken="31bf3856ad364e35" culture="neutral" />
        <bindingRedirect oldVersion="0.0.0.0-5.2.7.0" newVersion="5.2.7.0" />
      </dependentAssembly>
      <dependentAssembly>
        <assemblyIdentity name="Microsoft.Data.Edm" publicKeyToken="31bf3856ad364e35" culture="neutral" />
        <bindingRedirect oldVersion="0.0.0.0-5.8.4.0" newVersion="5.8.4.0" />
      </dependentAssembly>
    </assemblyBinding>
  </runtime>
</configuration>

```

```

    <assemblyIdentity name="Microsoft.Data.OData" publicKeyToken="31bf3856ad364e35" culture="neutral" />
    <bindingRedirect oldVersion="0.0.0.0-5.8.4.0" newVersion="5.8.4.0" />
  </dependentAssembly>
</dependentAssembly>
  <assemblyIdentity name="System.Spatial" publicKeyToken="31bf3856ad364e35" culture="neutral" />
  <bindingRedirect oldVersion="0.0.0.0-5.8.4.0" newVersion="5.8.4.0" />
</dependentAssembly>
</dependentAssembly>
  <assemblyIdentity name="Microsoft.Owin" publicKeyToken="31bf3856ad364e35" culture="neutral" />
  <bindingRedirect oldVersion="0.0.0.0-4.1.0.0" newVersion="4.1.0.0" />
</dependentAssembly>
</dependentAssembly>
  <assemblyIdentity name="Microsoft.OData.Edm" publicKeyToken="31bf3856ad364e35" culture="neutral" />
  <bindingRedirect oldVersion="0.0.0.0-7.6.3.0" newVersion="7.6.3.0" />
</dependentAssembly>
</dependentAssembly>
  <assemblyIdentity name="Microsoft.OData.Core" publicKeyToken="31bf3856ad364e35" culture="neutral" />
  <bindingRedirect oldVersion="0.0.0.0-7.6.3.0" newVersion="7.6.3.0" />
</dependentAssembly>
</dependentAssembly>
  <assemblyIdentity name="Microsoft.Extensions.DependencyInjection.Abstractions"
publicKeyToken="adb9793829ddae60" culture="neutral" />
  <bindingRedirect oldVersion="0.0.0.0-3.1.1.0" newVersion="3.1.1.0" />
</dependentAssembly>
</dependentAssembly>
  <assemblyIdentity name="Microsoft.Extensions.DependencyInjection" publicKeyToken="adb9793829ddae60"
culture="neutral" />
  <bindingRedirect oldVersion="0.0.0.0-3.1.1.0" newVersion="3.1.1.0" />
</dependentAssembly>
</dependentAssembly>
  <assemblyIdentity name="Microsoft.Spatial" publicKeyToken="31bf3856ad364e35" culture="neutral" />
  <bindingRedirect oldVersion="0.0.0.0-7.6.3.0" newVersion="7.6.3.0" />
</dependentAssembly>
</dependentAssembly>
  <assemblyIdentity name="System.Runtime.CompilerServices.Unsafe" publicKeyToken="b03f5f7f11d50a3a"
culture="neutral" />
  <bindingRedirect oldVersion="0.0.0.0-6.0.0.0" newVersion="6.0.0.0" />
</dependentAssembly>
</dependentAssembly>
  <assemblyIdentity name="System.Threading.Tasks.Extensions" publicKeyToken="cc7b13fcd2ddd51" culture="neutral" />
  <bindingRedirect oldVersion="0.0.0.0-4.2.0.1" newVersion="4.2.0.1" />
</dependentAssembly>
</dependentAssembly>
  <assemblyIdentity name="Newtonsoft.Json" publicKeyToken="30ad4fe6b2a6aeed" culture="neutral" />
  <bindingRedirect oldVersion="0.0.0.0-12.0.0.0" newVersion="12.0.0.0" />
</dependentAssembly>
</assemblyBinding>
</runtime>
<connectionStrings>
  <add name="OptomateTouchEntities"
connectionString="metadata=res://*/Models.OptomateTouchModel.csdl|res://*/Models.OptomateTouchModel.ssd|res://*/Model
s.OptomateTouchModel.msl;provider=System.Data.SqlClient;provider connection string=&quot;data source=localhost;initial
catalog=Optomate;persist security info=True;user
id=OptomateApiService;password=*****;MultipleActiveResultSets=True;App=EntityFramework&quot;;"
providerName="System.Data.EntityClient" />
</connectionStrings>
<entityFramework>
  <defaultConnectionFactory type="System.Data.Entity.Infrastructure.LocalDbConnectionFactory, EntityFramework">
    <parameters>
      <parameter value="mssqllocaldb" />
    </parameters>
  </defaultConnectionFactory>
  <providers>
    <provider invariantName="System.Data.SqlClient" type="System.Data.Entity.SqlServer.SqlProviderServices,
EntityFramework.SqlServer" />
  </providers>
</entityFramework>
</configuration>

```

## APPENDIX E: IIS HOSTED CONFIGURATION

```

<?xml version="1.0" encoding="utf-8"?>
<!--
  For more information on how to configure your ASP.NET application, please visit
  https://go.microsoft.com/fwlink/?LinkId=301879
-->
<configuration>
  <configSections>
    <!-- For more information on Entity Framework configuration, visit http://go.microsoft.com/fwlink/?LinkId=237468 -->
    <section name="entityFramework" type="System.Data.Entity.Internal.ConfigFile.EntityFrameworkSection, EntityFramework,
    Version=6.0.0.0, Culture=neutral, PublicKeyToken=b77a5c561934e089" requirePermission="false" />
  </configSections>
  <appSettings>
    <add key="ExecutionTimeout" value="" />
  </appSettings>
  <system.web>
    <compilation debug="true" targetFramework="4.8" />
    <httpRuntime targetFramework="4.8" requestPathInvalidCharacters="&lt;,&gt;,%&amp;,:,\,?"
    maxRequestLength="1000000" enableVersionHeader="false" />
  </system.web>
  <runtime>
    <assemblyBinding xmlns="urn:schemas-microsoft-com:asm.v1">
      <dependentAssembly>
        <assemblyIdentity name="System.Xml.XPath.XDocument" publicKeyToken="B03F5F7F11D50A3A" culture="neutral" />
        <bindingRedirect oldVersion="0.0.0.0-4.1.0.0" newVersion="4.1.0.0" />
      </dependentAssembly>
      <dependentAssembly>
        <assemblyIdentity name="System.Threading.Overlapped" publicKeyToken="B03F5F7F11D50A3A" culture="neutral" />
        <bindingRedirect oldVersion="0.0.0.0-4.1.0.0" newVersion="4.1.0.0" />
      </dependentAssembly>
      <dependentAssembly>
        <assemblyIdentity name="System.Security.SecureString" publicKeyToken="B03F5F7F11D50A3A" culture="neutral" />
        <bindingRedirect oldVersion="0.0.0.0-4.1.0.0" newVersion="4.1.0.0" />
      </dependentAssembly>
      <dependentAssembly>
        <assemblyIdentity name="System.Security.Cryptography.Algorithms" publicKeyToken="B03F5F7F11D50A3A"
        culture="neutral" />
        <bindingRedirect oldVersion="0.0.0.0-4.3.0.0" newVersion="4.3.0.0" />
      </dependentAssembly>
      <dependentAssembly>
        <assemblyIdentity name="System.Runtime.Serialization.Primitives" publicKeyToken="B03F5F7F11D50A3A"
        culture="neutral" />
        <bindingRedirect oldVersion="0.0.0.0-4.2.0.0" newVersion="4.2.0.0" />
      </dependentAssembly>
      <dependentAssembly>
        <assemblyIdentity name="System.Net.Sockets" publicKeyToken="B03F5F7F11D50A3A" culture="neutral" />
        <bindingRedirect oldVersion="0.0.0.0-4.2.0.0" newVersion="4.2.0.0" />
      </dependentAssembly>
      <dependentAssembly>
        <assemblyIdentity name="System.Net.Http" publicKeyToken="B03F5F7F11D50A3A" culture="neutral" />
        <bindingRedirect oldVersion="0.0.0.0-4.2.0.0" newVersion="4.0.0.0" />
      </dependentAssembly>
      <dependentAssembly>
        <assemblyIdentity name="System.IO.Compression" publicKeyToken="B77A5C561934E089" culture="neutral" />
        <bindingRedirect oldVersion="0.0.0.0-4.2.0.0" newVersion="4.2.0.0" />
      </dependentAssembly>
      <dependentAssembly>
        <assemblyIdentity name="System.Globalization.Extensions" publicKeyToken="B03F5F7F11D50A3A" culture="neutral" />
        <bindingRedirect oldVersion="0.0.0.0-4.1.0.0" newVersion="4.1.0.0" />
      </dependentAssembly>
      <dependentAssembly>
        <assemblyIdentity name="System.Diagnostics.Tracing" publicKeyToken="B03F5F7F11D50A3A" culture="neutral" />
        <bindingRedirect oldVersion="0.0.0.0-4.2.0.0" newVersion="4.2.0.0" />
      </dependentAssembly>
      <dependentAssembly>
        <assemblyIdentity name="System.Diagnostics.StackTrace" publicKeyToken="B03F5F7F11D50A3A" culture="neutral" />
        <bindingRedirect oldVersion="0.0.0.0-4.1.0.0" newVersion="4.1.0.0" />
      </dependentAssembly>
      <dependentAssembly>
        <assemblyIdentity name="System.Data.Common" publicKeyToken="B03F5F7F11D50A3A" culture="neutral" />
        <bindingRedirect oldVersion="0.0.0.0-4.2.0.0" newVersion="4.2.0.0" />
      </dependentAssembly>
    </assemblyBinding>
  </runtime>
</configuration>
  
```

```

<dependentAssembly>
  <assemblyIdentity name="Newtonsoft.Json" publicKeyToken="30ad4fe6b2a6aeed" />
  <bindingRedirect oldVersion="0.0.0.0-13.0.0.0" newVersion="13.0.0.0" />
</dependentAssembly>
<dependentAssembly>
  <assemblyIdentity name="System.Web.Http" publicKeyToken="31bf3856ad364e35" culture="neutral" />
  <bindingRedirect oldVersion="0.0.0.0-5.2.9.0" newVersion="5.2.9.0" />
</dependentAssembly>
<dependentAssembly>
  <assemblyIdentity name="System.Net.Http.Formatting" publicKeyToken="31bf3856ad364e35" culture="neutral" />
  <bindingRedirect oldVersion="0.0.0.0-5.2.9.0" newVersion="5.2.9.0" />
</dependentAssembly>
<dependentAssembly>
  <assemblyIdentity name="Microsoft.Data.Edm" publicKeyToken="31bf3856ad364e35" culture="neutral" />
  <bindingRedirect oldVersion="0.0.0.0-5.8.4.0" newVersion="5.8.4.0" />
</dependentAssembly>
<dependentAssembly>
  <assemblyIdentity name="Microsoft.Data.OData" publicKeyToken="31bf3856ad364e35" culture="neutral" />
  <bindingRedirect oldVersion="0.0.0.0-5.8.4.0" newVersion="5.8.4.0" />
</dependentAssembly>
<dependentAssembly>
  <assemblyIdentity name="System.Spatial" publicKeyToken="31bf3856ad364e35" culture="neutral" />
  <bindingRedirect oldVersion="0.0.0.0-5.8.4.0" newVersion="5.8.4.0" />
</dependentAssembly>
<dependentAssembly>
  <assemblyIdentity name="Microsoft.OData.Edm" publicKeyToken="31bf3856ad364e35" culture="neutral" />
  <bindingRedirect oldVersion="0.0.0.0-7.6.3.0" newVersion="7.6.3.0" />
</dependentAssembly>
<dependentAssembly>
  <assemblyIdentity name="Microsoft.OData.Core" publicKeyToken="31bf3856ad364e35" culture="neutral" />
  <bindingRedirect oldVersion="0.0.0.0-7.6.3.0" newVersion="7.6.3.0" />
</dependentAssembly>
<dependentAssembly>
  <assemblyIdentity name="Microsoft.Spatial" publicKeyToken="31bf3856ad364e35" culture="neutral" />
  <bindingRedirect oldVersion="0.0.0.0-7.6.3.0" newVersion="7.6.3.0" />
</dependentAssembly>
<dependentAssembly>
  <assemblyIdentity name="Microsoft.Extensions.DependencyInjection.Abstractions"
publicKeyToken="adb9793829ddae60" culture="neutral" />
  <bindingRedirect oldVersion="0.0.0.0-7.0.0.0" newVersion="7.0.0.0" />
</dependentAssembly>
<dependentAssembly>
  <assemblyIdentity name="Microsoft.Extensions.DependencyInjection" publicKeyToken="adb9793829ddae60"
culture="neutral" />
  <bindingRedirect oldVersion="0.0.0.0-7.0.0.0" newVersion="7.0.0.0" />
</dependentAssembly>
<dependentAssembly>
  <assemblyIdentity name="Antlr3.Runtime" publicKeyToken="eb42632606e9261f" culture="neutral" />
  <bindingRedirect oldVersion="0.0.0.0-3.5.0.2" newVersion="3.5.0.2" />
</dependentAssembly>
<dependentAssembly>
  <assemblyIdentity name="System.Runtime.CompilerServices.Unsafe" publicKeyToken="b03f5f7f11d50a3a"
culture="neutral" />
  <bindingRedirect oldVersion="0.0.0.0-6.0.0.0" newVersion="6.0.0.0" />
</dependentAssembly>
<dependentAssembly>
  <assemblyIdentity name="System.Threading.Tasks.Extensions" publicKeyToken="cc7b13ffcd2ddd51" culture="neutral" />
  <bindingRedirect oldVersion="0.0.0.0-4.2.0.1" newVersion="4.2.0.1" />
</dependentAssembly>
<dependentAssembly>
  <assemblyIdentity name="Microsoft.Bcl.AsyncInterfaces" publicKeyToken="cc7b13ffcd2ddd51" culture="neutral" />
  <bindingRedirect oldVersion="0.0.0.0-7.0.0.0" newVersion="7.0.0.0" />
</dependentAssembly>
<dependentAssembly>
  <assemblyIdentity name="System.Buffers" publicKeyToken="cc7b13ffcd2ddd51" culture="neutral" />
  <bindingRedirect oldVersion="0.0.0.0-4.0.3.0" newVersion="4.0.3.0" />
</dependentAssembly>
<dependentAssembly>
  <assemblyIdentity name="System.Text.Encodings.Web" publicKeyToken="cc7b13ffcd2ddd51" culture="neutral" />
  <bindingRedirect oldVersion="0.0.0.0-4.0.5.1" newVersion="4.0.5.1" />
</dependentAssembly>
<dependentAssembly>
  <assemblyIdentity name="System.ValueTuple" publicKeyToken="cc7b13ffcd2ddd51" culture="neutral" />
  <bindingRedirect oldVersion="0.0.0.0-4.0.3.0" newVersion="4.0.3.0" />

```

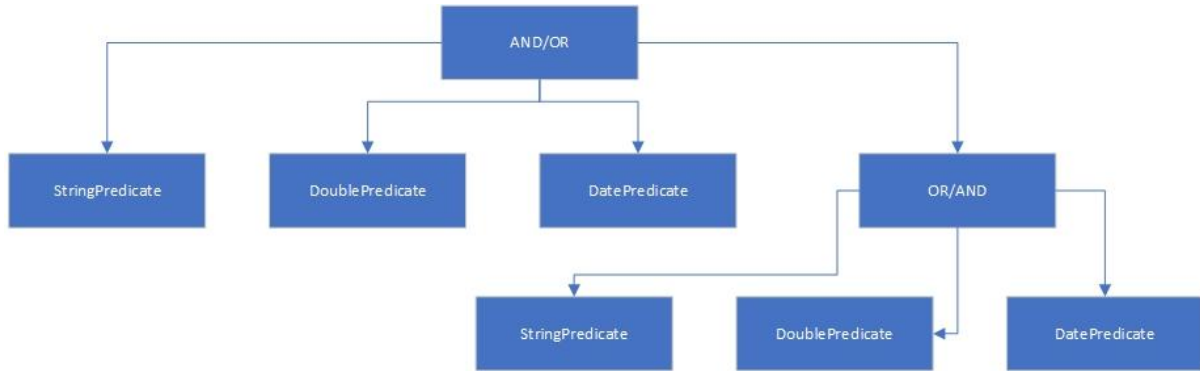
```

</dependentAssembly>
<dependentAssembly>
  <assemblyIdentity name="System.Memory" publicKeyToken="cc7b13ffd2ddd51" culture="neutral" />
  <bindingRedirect oldVersion="0.0.0.0-4.0.1.2" newVersion="4.0.1.2" />
</dependentAssembly>
<dependentAssembly>
  <assemblyIdentity name="Microsoft.Web.Infrastructure" publicKeyToken="31bf3856ad364e35" culture="neutral" />
  <bindingRedirect oldVersion="0.0.0.0-2.0.0.0" newVersion="2.0.0.0" />
</dependentAssembly>
<dependentAssembly>
  <assemblyIdentity name="System.Web.Helpers" publicKeyToken="31bf3856ad364e35" />
  <bindingRedirect oldVersion="1.0.0.0-3.0.0.0" newVersion="3.0.0.0" />
</dependentAssembly>
<dependentAssembly>
  <assemblyIdentity name="System.Web.WebPages" publicKeyToken="31bf3856ad364e35" />
  <bindingRedirect oldVersion="1.0.0.0-3.0.0.0" newVersion="3.0.0.0" />
</dependentAssembly>
<dependentAssembly>
  <assemblyIdentity name="System.Web.Mvc" publicKeyToken="31bf3856ad364e35" />
  <bindingRedirect oldVersion="1.0.0.0-5.2.9.0" newVersion="5.2.9.0" />
</dependentAssembly>
</assemblyBinding>
</runtime>
<connectionStrings>
  <add name="OptomateTouchEntities"
connectionString="metadata=res://*/Models.OptomateTouchModel.csdl|res://*/Models.OptomateTouchModel.ssd|res://*/Model
s.OptomateTouchModel.msl;provider=System.Data.SqlClient;provider connection string='data source=localhost;initial
catalog=Optomate;persist security info=True;user
id=OptomateApiService;password=*****;multipleactive resultsets=True;application name=EntityFramework"
providerName="System.Data.EntityClient" />
</connectionStrings>
<entityFramework>
  <defaultConnectionFactory type="System.Data.Entity.Infrastructure.LocalDbConnectionFactory, EntityFramework">
    <parameters>
      <parameter value="mssqllocaldb" />
    </parameters>
  </defaultConnectionFactory>
  <providers>
    <provider invariantName="System.Data.SqlClient" type="System.Data.Entity.SqlServer.SqlProviderServices,
EntityFramework.SqlServer" />
  </providers>
</entityFramework>
<system.webServer>
  <httpProtocol>
    <customHeaders>
      <remove name="X-Powered-By" />
    </customHeaders>
  </httpProtocol>
  <security>
    <requestFiltering removeServerHeader="true" />
  </security>
  <handlers>
    <remove name="ExtensionlessUrlHandler-Integrated-4.0" />
    <remove name="OPTIONSVerbHandler" />
    <remove name="TRACEVerbHandler" />
    <add name="ExtensionlessUrlHandler-Integrated-4.0" path="*" verb="*"
type="System.Web.Handlers.TransferRequestHandler" preCondition="integratedMode,runtimeVersionv4.0" />
  </handlers></system.webServer>
<system.codedom>
  <compilers>
    <compiler language="c#;cs;sharp" extension=".cs" warningLevel="4" compilerOptions="/langversion:default
/nowarn:1659;1699;1701;612;618" type="Microsoft.CodeDom.Providers.DotNetCompilerPlatform.CSharpCodeProvider,
Microsoft.CodeDom.Providers.DotNetCompilerPlatform, Version=4.1.0.0, Culture=neutral,
PublicKeyToken=31bf3856ad364e35" />
    <compiler language="vb;vbs;visualbasic;vbscript" extension=".vb" warningLevel="4" compilerOptions="/langversion:default
/nowarn:41008,40000,40008 /define:_MYTYPE=\"Web\" /optionInfer+"
type="Microsoft.CodeDom.Providers.DotNetCompilerPlatform.VBCodeProvider,
Microsoft.CodeDom.Providers.DotNetCompilerPlatform, Version=4.1.0.0, Culture=neutral,
PublicKeyToken=31bf3856ad364e35" />
  </compilers>
</system.codedom>
</configuration>

```

## APPENDIX F: MONKEY SOFTWARE CUSTOM SEARCH

The Custom Search allows for a search parameter definition to be passed into the POST request to perform a custom search on an OptomateTouchAPI resource. The Search parameter can contain either AND or OR predicates. Each AND predicate can be a comparison of a String, Double or Date property or it can be a collection of child OR predicates. Each OR predicate can be a comparison of a String, Double or Date property or it can be a collection of child AND predicates.



The Custom Search allows for simple and more complex searches to be performed such as:

- property1 equals "Val1" AND property2 equals "Val2"
- property1 in {"Val1", "Val2", Val3"}
- property1 equals "Val1" AND property2 equals "Val2" AND (property3 equals "Val3" OR property4 equals "Val4")
- property1 equals "Val1" OR property2 contains "Val2" OR (property3 equals "Val3" AND property4 equals "Val4")

### Input

Name	Type	Null
Search	Record (Search Parameter)	<input checked="" type="checkbox"/>

### SEARCH PARAMETER

The Search Parameter must contain either an And construct or an Or construct. If both a supplied the And will take precedence.

Name	Type	Null
And	Collection (And Predicate)	<input checked="" type="checkbox"/>
Or	Collection (Or Predicate)	<input checked="" type="checkbox"/>

### AND PREDICATE

The And predicate adds a search filter with an AND operator to the custom search query with the following conditions

- it must contain at least on search predicate or a collection of Or predicates
- when a search predicate is specified the property name must be supplied
- if multiple search predicates are specified only the first predicate will be applied in order of precedence as specified in the following table:

Name	Type	Null
PropertyName	String	<input checked="" type="checkbox"/>
StringPredicate	Record (String Predicate)	<input checked="" type="checkbox"/>
DoublePredicate	Record (Double Predicate)	<input checked="" type="checkbox"/>
DatePredicate	Record (Date Predicate)	<input checked="" type="checkbox"/>
Or	Collection (child Or Predicate)	<input checked="" type="checkbox"/>

## OR PREDICATE

The Or predicate adds a search filter with an OR operator to the custom search query with the following conditions

- it must contain at least on search predicate or a collection of And predicates
- when a search predicate is specified the property name must be supplied
- if multiple search predicates are specified only the first predicate will be applied in order of precedence as specified in the following table:

Name	Type	Null
PropertyName	String	<input checked="" type="checkbox"/>
StringPredicate	Record (String Predicate)	<input checked="" type="checkbox"/>
DoublePredicate	Record (Double Predicate)	<input checked="" type="checkbox"/>
DatePredicate	Record (Date Predicate)	<input checked="" type="checkbox"/>
And	Collection (child And Predicate)	<input checked="" type="checkbox"/>



The child Or/And predicates do not have child And/Or predicates themselves.

## STRING PREDICATE

The String predicate adds a search filter with a string value and at least one comparison property must be specified. If multiple comparison properties are specified only the first property will be applied in order of precedence as specified in the following table.

Name	Type	Null
EqualsVal	String	<input checked="" type="checkbox"/>
ContainsVal	String	<input checked="" type="checkbox"/>
InVals	Collection (String)	<input checked="" type="checkbox"/>

## DOUBLE PREDICATE

The Double predicate adds a search filter with a double value and at least one comparison property must be specified. If multiple comparison properties are specified only the first property will be applied in order of precedence as specified in the following table.

Name	Type	Null
EqualsVal	String	<input checked="" type="checkbox"/>
InVals	Collection (Double)	<input checked="" type="checkbox"/>

## DATE PREDICATE

The Date predicate adds a search filter with a date value and at least one comparison property must be specified. If multiple comparison properties are specified only the first property will be applied in order of precedence as specified in the following table, the exception being that the GreaterOrEqual and LessOrEqual can be applied at the same time.

Name	Type	Null
EqualsVal	Date	<input checked="" type="checkbox"/>
GreaterOrEqualVal	Date	<input checked="" type="checkbox"/>
LessOrEqualVal	Date	<input checked="" type="checkbox"/>

## Examples

To search for patients born between 2 dates  
(BIRTHDATE ge '1976-01-01' and BIRTHDATE le '2000-01-01')

```
{
  "Search": {
    "And": [{
      "PropertyName": "BIRTHDATE",
      "DatePredicate": { "GreaterOrEqualVal": "1976-01-01" }
    },
    {
      "PropertyName": "BIRTHDATE",
      "DatePredicate": { "LessOrEqualVal": "2000-01-01" }
    }
  ]
}
```

To search for patients with first name "James" or last name "Budny"  
(GIVEN eq 'James' or SURNAME eq 'Budny')

```
{
  "Search": {
    "Or": [{
      "PropertyName": "GIVEN",
      "StringPredicate": { "EqualsVal": "James" }
    },
    {
      "PropertyName": "SURNAME",
      "StringPredicate": { "EqualsVal": "Budny" }
    }
  ]
}
```

To search for patients with first name "James" and last name in {"Budny", "Franco"}  
(GIVEN eq 'James' and SURNAME in ('Budny', 'Franco'))

```
{
  "Search": {
    "And": [{
      "PropertyName": "GIVEN",
      "StringPredicate": { "EqualsVal": "James" }
    },
    {
      "PropertyName": "SURNAME",
      "StringPredicate": { "InVals": ["Budny", "Franco"] }
    }
  ]
}
```

```

    }
  }
}

```

To search for patients with first name “James” and (last name “Franco” or reference “42”) (GIVEN eq ‘James’ and (SURNAME eq ‘Franco’ or REFERENCE eq ‘42’)

```

{
  "Search": {
    "And": [{
      "PropertyName": "GIVEN",
      "StringPredicate": { "EqualsVal": "James" }
    },
    {
      "Or": [
        {
          "PropertyName": "SURNAME",
          "StringPredicate": { "EqualsVal": "Franco" }
        },
        {
          "PropertyName": "REFERENCE",
          "StringPredicate": { "EqualsVal": "42" }
        }
      ]
    }
  ]
}
}

```