Optomate Touch API

Technical Specification

v2.12.18

Author: Marjan Ilkov

Published: 29.09.2026

Monkey Software Pty Ltd
10 Chelmsford Street, Williamstown North Vic 3016
P: 1300 650 295 | NZ Toll Free: 0800 666 539
Website: www.monkeysoftware.com.au

TABLE OF CONTENTS

Requirements 5
Change History 6
Overview 14
Self-Hosted Model 15
Details 15
Installation Steps 16
Step 1 16
Step 2 16
Step 3 17
Step 4 17
Step 5 18
Step 6 18
IIS Hosted Model 19
Details 19
Installation Steps 20
Step 1 20
Step 2 20
Step 3 21
Step 4 22
Step 5 22
Step 6 23
Step 7 23
Configuration 24
Host (Self-Hosted Only) 24
Application Pool (IIS Hosted Only) 25
Site Bindings (IIS Hosted Only) 25
Db Connection 27
Execution Timeout 27
Uninstalling 28
Security 29
Authentication 29
Authorisation 30
Optomate Touch API 33
Details 33
OData 33

Primitive JSON Value Formats 34
Request 34
Response 34
Resources 37
Appointment Transactions 37
Appointments 38
Barcode Queue 41
Branches 42
Business Details 43
Consultation Items 44
Contact Lenses 44
Contact Lens Brands 48
Contact Lens Orders 49
Contact Lens RXs 53
Contact Lens Tints 55
Dispensers 57
Examinations 58
Health Funds 61
Frame Constructions 61
Frame Brands 62
Frame Materials 63
Institutions 63
Institution Receipts 63
Interests 65
Inventory Arrivals 65
Inventory Movements 67
Inventory Returns 68
Inventory Transfers 70
Inventory WriteOffs 70
Item Categories 71
Occupations 72
Online Appointment Types 72
Optometrists 72
Order Cancelled Reasons 76
Other Items 76
Patient Category Links 79
Patient Categories 80

Patient Interests 80
Patient Invoices 81
Patient Notes 82
Patient Recalls 83
Patient Receipts 86
Patients 87
Purchase Orders 92
Recall Types 94
Receipt Summary 95
Regions 95
Sales Summary 96
SMS Transactions 96
Solutions 97
Sources 100
Spectacle Frames 100
Spectacle Lenses 104
Spectacle Lens Addons 109
Spectacle Lens Addons Descriptions 111
Spectacle Lens Orders 112
Spectacle Lens RXs 117
Spectacle Lens Tints 119
Static Reference 121
Static Reference Code 122
Static Reference ID 123
Sunglasses 124
Suppliers 127
Supplier Reps 129
Users 131
Voucher Types 132
Appendices 134
Appendix A: OData Query Examples 134
Appendix B: Examination Detail 134
Appendix C: Examination Contact Lens 141
Appendix D: Self-Hosted Configuration 149
Appendix E: IIS Hosted Configuration 151
Appendix F: Monkey Software Custom Search 154

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
29.09.2026	2.12.18	4.0.0	**Updates** - Contact Lens Orders RECEIVED_DATE in PATCH
14.09.2026	2.12.17	4.0.0	**New** - Appointments Dispensers Availabilities **Updates** - Patients Sensitive Search NHI_NUMBER
07.09.2026	2.12.16	4.0.0	**New** - Patients NHI_NUMBER **Updates** - Appointments can be created for a Dispenser as well (using OPTOMETRIST_ID) - Inventory Arrival ITEM does not need to be related to the specified Supplier
24.08.2026	2.12.15	4.0.0	**New** - Spectacle Lens Orders FRAME_SUPPLIER_IDENTIFIER in GET and POST
20.07.2026	2.12.14	4.0.0	**New** - Inventory Arrivals ORDER_ID and ORDER_TYPE in GET - Examination Details AXIAL_LENGTH_RIGHT, AXIAL_LENGTH_LEFT and AXIAL_LENGTH_DEVICE in GET
12.05.2026	2.12.13	4.0.0	**Update** - Increase length of Users EXTERNAL_USER_ID to 80 characters
13.04.2026	2.12.12	4.0.0	**Fix** - Appointments Optometrists Availability was incorrectly checking the end time of the last day
10.03.2026	2.12.11	4.0.0	**Update** - 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	**Fix** - Recall Types were not correctly configured in the Odata Model for the Self Hosted version. **New** - Appointments Optometrists Availability SCHEDULE **Update** - Create a Marketing Status Log when Patient PREF_MARKETING is changed
30.01.2026	2.12.9	2.7.3	**New** - 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	**Update** - Appointments Optometrists Availability updated to handle overlapping appointments for the same Optometrist
25.09.2025	2.12.7	2.7.3	**Fix** - 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	**Fix** - 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	**Update** - Appointments.Optometrists Availability improved performance
29.07.2025	2.12.4	2.7.3	**New** - Patient Invoices ORIG_EXAM_DATE
27.06.2025	2.12.3	2.7.3	**New** - Examination Details COMPLETED for POST, PUT and PATCH **Update** - Allow updates when Examination is COMPLETED
24.06.2025	2.12.2	2.7.3	**New** - Inventory Movements ADJUSTMENT_REASON
12.06.2025	2.12.1	2.7.0	**Update** - 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	**New** - Inventory Transfers and Inventory Write-Offs resources **Update** - Patient MEDICARE_EXPIRY validation modified to cater for systems with Y2K related issue concerning 2-digit years
07.03.2025	2.11.10	2.6.5	**New** - Patient Invoice ORDER_TYPE in GET - Static Reference Id Order Types **Updates** - Patient Invoice SPECTACLE_ORDER_ID renamed to ORDER_ID
04.02.2025	2.11.9	2.6.5	**New** - Voucher Types resource with GET - Patient Receipts RECEIPT_ITEMS.VOUCHER_TYPE_ID in GET
03.01.2025	2.11.8	2.6.5	**New** - Branch PATCH - Patient Category Link PUT and PATCH - Inventory Movements TRANSFER_BRANCH_IDENTIFIER for Inventory Transfers - Static Reference Id Inventory Movement Types - Patient INACTIVE - Spectacle Lens Orders PATIENT_INVOICE_ID - Contact Lens Orders PATIENT_INVOICE_ID - Patient Invoice LINKED_ID and LINKED_TYPE **Updates** - 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. - Updated Patient Category Link custom error message for an existing patient link. - Appointment Result with additional MESSAGE will be returned instead of standard Result in POST response
11.09.2024	2.11.7	2.6.4	**New** - Sent Patient Recalls
02.09.2024	2.11.6	2.6.4	**New** - Patient Invoices CONS_CHARGED and CONS_PAID in GET

05.04.2024	2.11.5	2.6.4	**New** - Examination Details ADVICE_MANAGEMENT_NOTE in POST, PUT and PATCH
12.02.2024	2.11.4	2.6.3	**New** - 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 - Contact Lenses, Contact Lens Tints, Other Items, Solutions, Spectacle Lenses, Spectacle Lens Addons and Spectacle Lens Tints BRANCH_INFO.INACTIVE - Contact Lens Tints, Spectacle Lens Addons and Spectacle Lens Tints BRANCH_INFO.FAVOURITE
09.01.2024	2.11.3	2.6.3	**New** - Spectacle Lens Orders OWN_FRAME in GET
15.11.2023	2.11.2	2.6.3	**New** - Appointments Optometrists' Availability - Spectacle Lens Rx PATCH - Spectacle Lens Orders RIGHT_FITTING_HEIGHT and LEFT_FITTING_HEIGHT in GET - 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 - Patients LAST_KEEPSIGHT_SENT_DATE in GET **Update** - Config files content, Appendices D and E
12.09.2023	2.11.1	2.6.0	**Fixes** - Spectacle Lens Order was removing the existing PRACTICE_COMMENTS when no value was supplied on PATCH **Update** - Add Spectacle Lens Order WHEN_READY_TEXT for PATCH
15.08.2023	2.11.0	2.6.0	**New** - Inventory Movements resource **Update** - 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
30.03.2023	2.10.1	2.5.0	**New** - Appointments FINALISED_APPOINTMENT_DATETIME in GET - Spectacle Lenses WINLINX_CODE, WINLINX_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 - Spectacle Lens Add-Ons VISUSTORE_COMMERCIAL_CODE, VISUSTORE_COATING_TYPE, WINLINX_CODE, CR_SURFACING_PRODUCTCODE - Spectacle Lens Tints VISUSTORE_COMMERCIAL_CODE, WINLINX_CODE, CR_SURFACING_PRODUCTCODE - Static Reference Code Optilink Lens Groups **Updates** - Remove Spectacle Lenses EYETALK_PERMID and EYETALK_BOOKCODE

			- Remove Spectacle Lens Add-Ons EYETALK_PERMID and EYETALK_BOOKCODE
14.02.2023	2.10.0	2.5.0	**New** - Users resource - StaticReferenceId User Types
05.12.2022	2.9.1	2.3.4	**Update** - Purchase Order IDENTIFIER is now optional in POST, to be defaulted to generated ID
31.10.2022	2.9.0	2.3.4	**New** - SMS Transactions resource - Static Reference Id SMS Types - Patient Invoice ITEMS COSTEX and COSTINC in GET
30.09.2022	2.8.1	2.3.1	**New** - 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 **Update** - Remove Examination Details DILATED_FUNDUS_INFORMED_CONSENT, TOPOGRAPHY_PERFORMED, PERIMETRY_PERFORMED, OCT_PERFORMED
12.09.2022	2.8.0	2.3.0	**New** - Patient Notes resource
18.08.2022	2.7.15	2.0.5	**Fixes** - Resolve issue with authenticating Contact Lens Orders PATCH requests **Update** - Add Spectacle and Contact Lens Orders PRACTICE_COMMENTS for PATCH
10.06.2022	2.7.14	2.0.5	**New** - Patient Recalls BRANCH_IDENTIFIER in GET **Updates** - Allow up to 12 characters on Patient MOBILE_PHONE - Make Appointment APPOINTMENT_TYPE a required value
18.02.2022	2.7.13	2.0.5	**Updates** - Add StaticReferenceId Appointment Status 16
13.12.2021	2.7.12	2.0.5	**New** - Health Funds resource **Updates** - 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	**New** - 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	**New** - Spectacle Lens Orders IS_SUNGLASS_FRAME **Update** - Add “Direct To Customer” to Static Reference When Ready Notification Types

10.06.2021	2.7.9	1.10.8	**Update** - Add “Display Invoice” to Static Reference Arrival Types
27.04.2021	2.7.8	1.10.7	**New** - Optometrists AppSetup and AppAdjust POST actions
06.04.2021	2.7.7	1.10.5	**New** - Dispensers INACTIVE - Inventory Arrival ITEMS.UNIQUE_ITEM_ID for GET - Inventory Return ITEMS.UNIQUE_ITEM_ID for GET **Updates** - Include inactive Optometrists in GET - Include inactive Dispensers in GET
10.03.2021	2.7.6	1.10.5	**New** - Patient Recalls Read Condition for allowed Contact Methods
04.02.2021	2.7.5	1.10.4	**Fix** - Patient Medicare Details will be validated on a PATCH only if they are being updated
19.01.2021	2.7.4	1.10.4	**Updates** - Add “Pay Later – LatitudePay” to Static Reference Payment Types - Patients Sensitive Search expanded search capability
18.12.2020	2.7.3	1.10.4	**Fix** - Institution Receipts was incorrectly setting the Receipt Type to 2 instead of 1
17.12.2020	2.7.2	1.10.4	**Fix** - Inventory Arrival was incorrectly calculating TOTAL_GST for Other Items
01.12.2020	2.7.1	1.10.4	**Fix** - Patient GP, REFERRER_FROM and REFERRER_TO were not set with the correct values **Updates** - Patients Sensitive Search improved performance
17.11.2020	2.7.0	1.10.4	**Fixes** - 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 **New** - Patient Invoice OPTOMETRIST_ID - 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 - Branch ABN, DEFAULT_APP_DURATION, DEFAULT_OPTOMETRIST_ID, REGION_ID - Resources Appointment Transactions, Business Details, Patient Categories, Patient Category Links, Regions - Static Reference Data Software Types - Patients Sensitive Search endpoint for searching with sensitive data **Updates** - Renamed Patient Receipt USER_ID to OPTOMETRIST_ID - Patient Receipts to also include receipts without PATIENT_ID - APP_PROGRESS to be initialised to 15 for new Appointments
29.10.2020	2.6.1	1.10.4	**Fix** Issue when Appointment moved to another Optometrist, validation occurred against the original Optometrist **New** - Patient Receipts resource - Static Reference Data Receipt Types

14.10.2020	2.6.0	1.10.0	**Fix** - Issue with Appointment validation where schedule adjustments were not properly applied **Documentation** - Added configuration files content in Appendices **New** - Inventory Arrival ITEMS.IS_TAXABLE for GET - Institution Receipts, Inventory Returns resources - Patient IS_BADADDRESS, IS_BADEMAIL, IS_BADPHONE - Patient IS_ADVISED_OF_PRIVACY_POLICY, ADVISED_OF_PRIVACY_POLICY_USER, ADVISED_OF_PRIVACY_POLICY_DATETIME for GET and POST **Updates** - Setting Patient NOMOBILE and NOEMAIL to 'true' will clear out the related MOBILE_PHONE and EMAIL - Allow Inventory Arrivals without any Inventory Items
04.09.2020	2.5.4	1.10.0	**New** - Patient Invoice DISCOUNT_ID **Updates** - Static Reference Code Person Gender includes "Non-Binary" and "Not Stated" in line with Optomate Touch
27.08.2020	2.5.3	1.9.9	**New** - Patient Invoice DISCOUNT_REASON **Updates** - Changed Error 101 message to "Invalid Credentials" - Changed Error 102 message to "User Disabled"
11.08.2020	2.5.2	1.9.9	**Fix** - Resolved an issue with Inventory Arrivals calculating GST for tax free branch items
27.07.2020	2.5.1	1.9.9	**Fix** - Resolved an issue with updating of Sunglasses when UV Rating is null in Optomate DB
10.07.2020	2.5.0	1.9.9	**Fixes** - Resolved an issue with the Authorisation of the Spectacle Lens Order and Purchase Order Patch methods **New** - Consultation Items reference data resource
29.06.2020	2.4.1	1.9.5	**New** - Spectacle Lens Order INVOICE_NUMBER for POST and PATCH, RECEIVED_DATE for PATCH - Purchase Order PATCH method, PURCHASE_ORDER_STATUS for POST **Updates** - Static Reference Id Stock Types descriptions
18.06.2020	2.4.0	1.9.5	**Fix** - Bug introduced in 2.0.1 where Inventory Item resources do not correctly create Stock Transaction records **Documentation** - Corrected error 815 to say "At least one ITEM needs to be included in the Inventory Arrival!"

			- Corrected Inventory Items that had a record BRANCH_INFO_INPUT to BRANCH_INFO
08.05.2020	2.1.0	1.9.5	**New** - Contact Lens RXs and Spectacle Lens RXs resources (GET and POST)
19.03.2020	2.0.1	1.9.0	**Update** - 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
11.02.2020	2.0.0	1.9.0	Rebuilt on .NET 4.8 **Documentation** - "Optomate Touch API User" section renamed to "Security" **New** - Basic Authentication (Authorization Header to be added to each request) - Patient Invoice SPECTACLE_ORDER_ID - 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 - Spectacle Lens Order PATCH method - Spectacle Lens Order Types Static Reference Code resource - Spectacle Lens Tints INSTITUTION_IDENTIFIER - Dispensers, Recall Types and Order Cancelled Reasons resources - Static Reference (API Info) resource - Patient NATIONALITY, GP, REFERRER_FROM and REFERRER_TO for GET method - Contact Lens Orders resource - Static Reference Code Contact Lens Mono and Contact Lens Order Types resources **Updates** - Username and Password Headers no longer required (replaced with Authorization header) - Renamed Spectacle Lens Order LAB_INHOUSE to TINT_LAB_INHOUSE - Removed Spectacle Lens Order LENS_TYPE - Removed Patient Recalls BRANCH_IDENTIFIER - Error Code 100 text changed from "Missing Username!" To "Missing Credentials!"
25.09.2019	1.1.1	1.8.9	**Documentation** - Added a warning about assigning access permissions to the Patient Recalls resource **New** - Patient LAST_INITIAL (date) for GET method **Update** - Renamed Patient LAST_CONSULTAION to LAST_CONSULTATION for GET method
20.09.2019	1.1.0	1.8.9	**New** - Supports the "$count" query option parameter - Examination Added and Edited dates - ExecutionTimeout in seconds configuration setting - AppointmentStatuses Static Reference Id resource **Updates** - StaticReferenceData resource split into StaticReferenceCode and StaticReferenceId - Appointment IS_CANCELLED replaced with STATUS in GET - Contact Lenses FREQUENCY and Person GENDER are not required - Renamed Spectacle Lenses SPECLENS_ADDON_LOOKUP_ID to SPECLENS_ADDON_DESCRIPTION_ID - JSON values of type Edm.Int64 and Edm.Decimal are represented as numbers - All IDs represented as Int64

		- "$select" and "$filter" for expanded collections are done as part of the "$expand" query option parameter (see Appendix A for an example) - Edm.DateTime types are replaced with Edm.DateTimeOffset - When filtering on dates, values do not need to be cast as DATETIME (see Appendix A for an example) - Appointment STARTDATETIME replaced with STARTDATE and STARTTIME; ENDDATETIME replaced with ENDTIME; for Post, Put and Patch. - Only 5-minute intervals are allowed for Appointment STARTTIME and ENDTIME - Patient MEDICARE_EXPIRY cannot be an expired date
27.08.2019	1.0.6	**New** - Added Patient HEARAID_GUID
14.08.2019	1.0.5	**New** - Patient Invoices resource - Invoice Types reference data **Update** - Renamed Purchase Order ORDER_ID to SPECTACLE_LENS_ORDER_ID
12.08.2019	1.0.4	**New** - An API User Password can be set in Optomate Touch - IIS Hosted version of the API that can be configured to run over HTTPS - Patient Recalls resource
24.05.2019	1.0.0	**New** - API for Optomate Touch

OVERVIEW

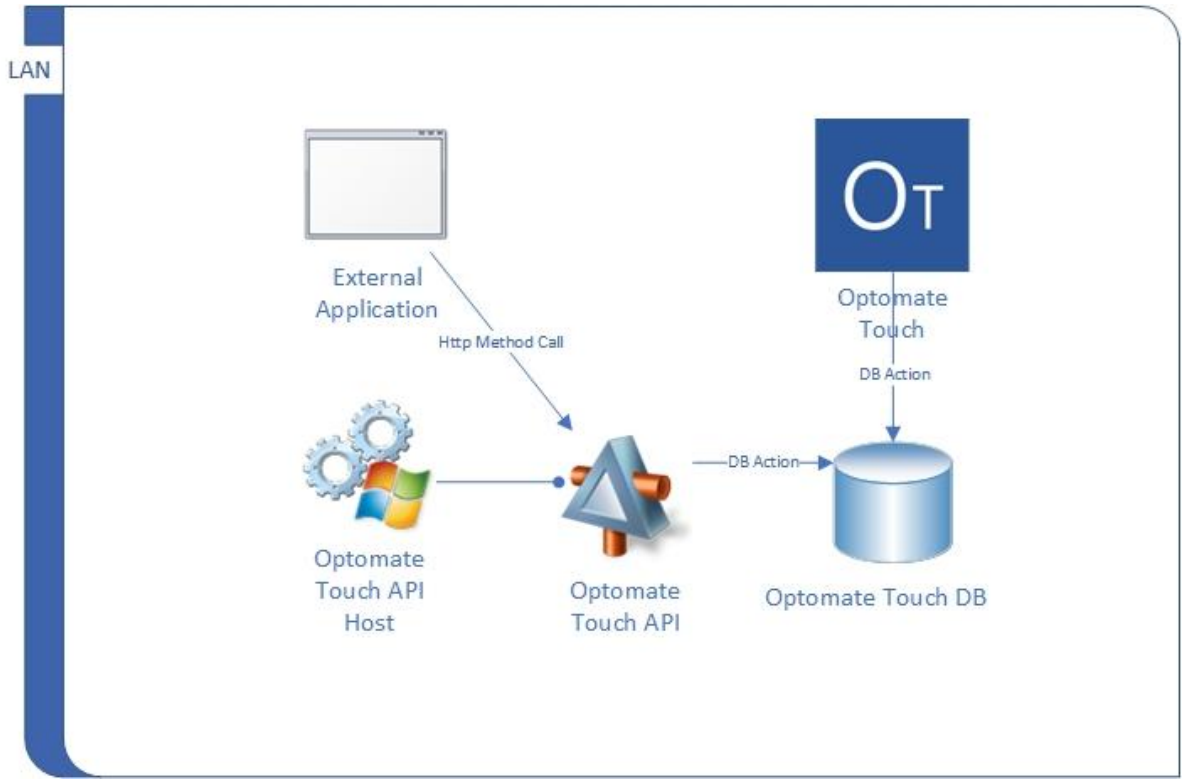
The Optomate Touch API is a RESTful service that is intended to run locally on a network where Optomate Touch is installed. It supports OData queries and exposes a limited set of Optomate Touch resources for external application integration by the use of http method calls. This document describes these 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

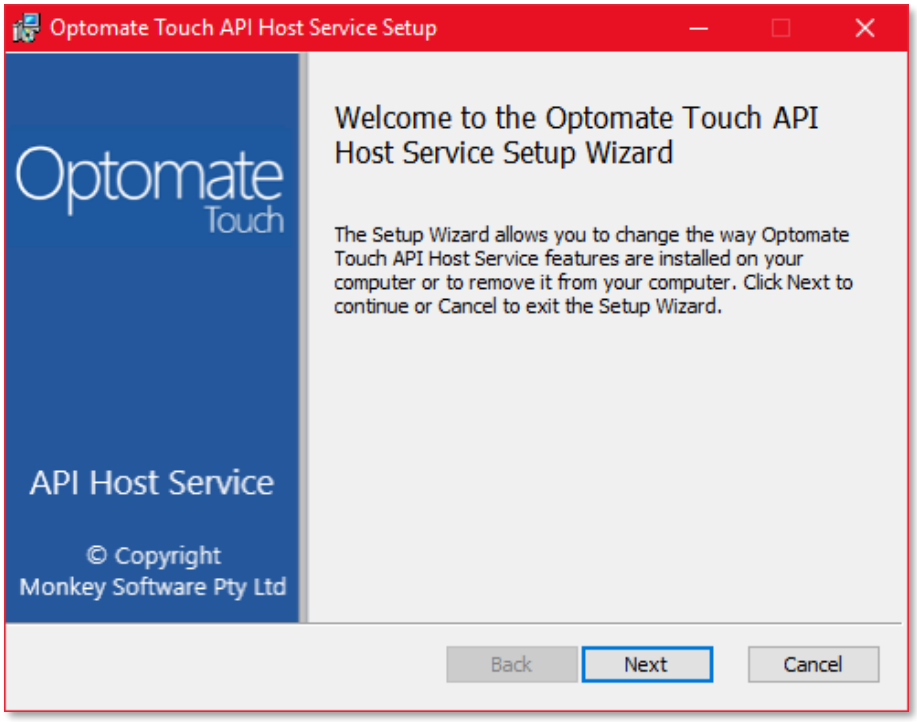
STEP 1

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.

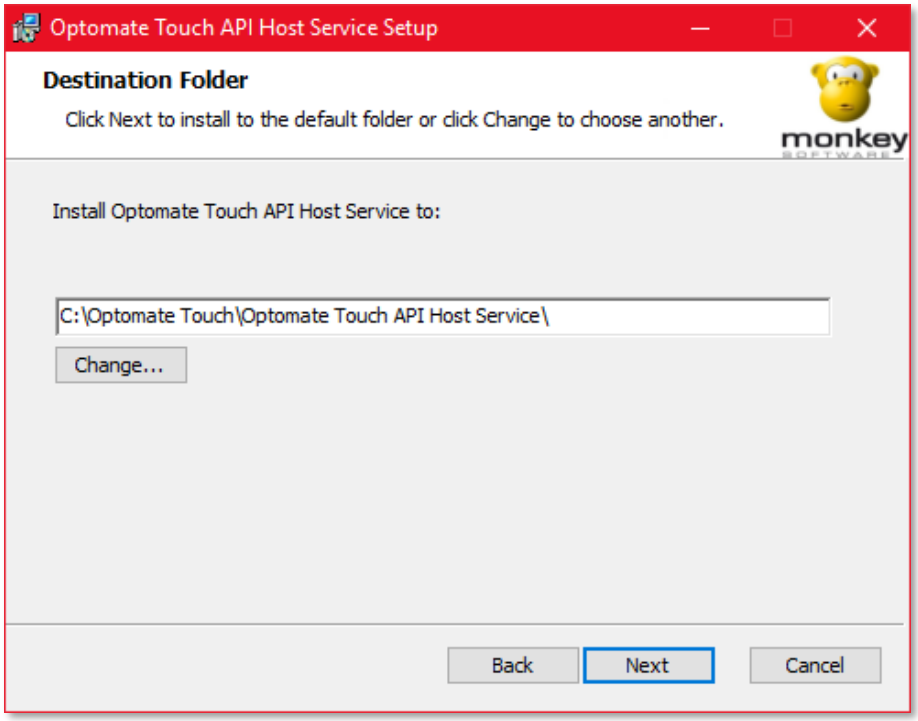
STEP 2

Click Next on the Welcome Window.



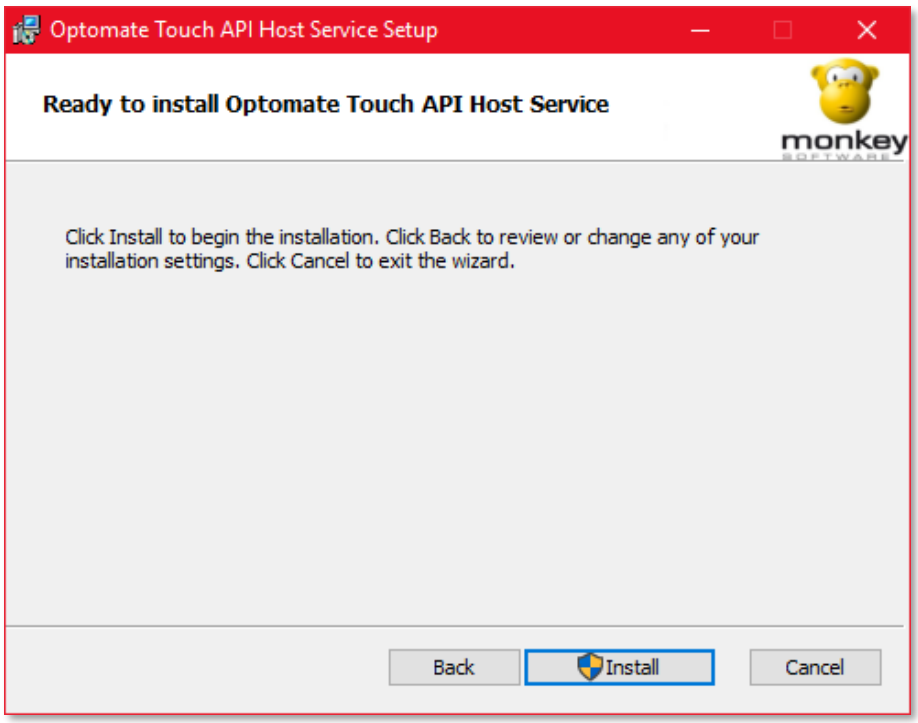
STEP 3

Click Next on the Destination Folder Window.



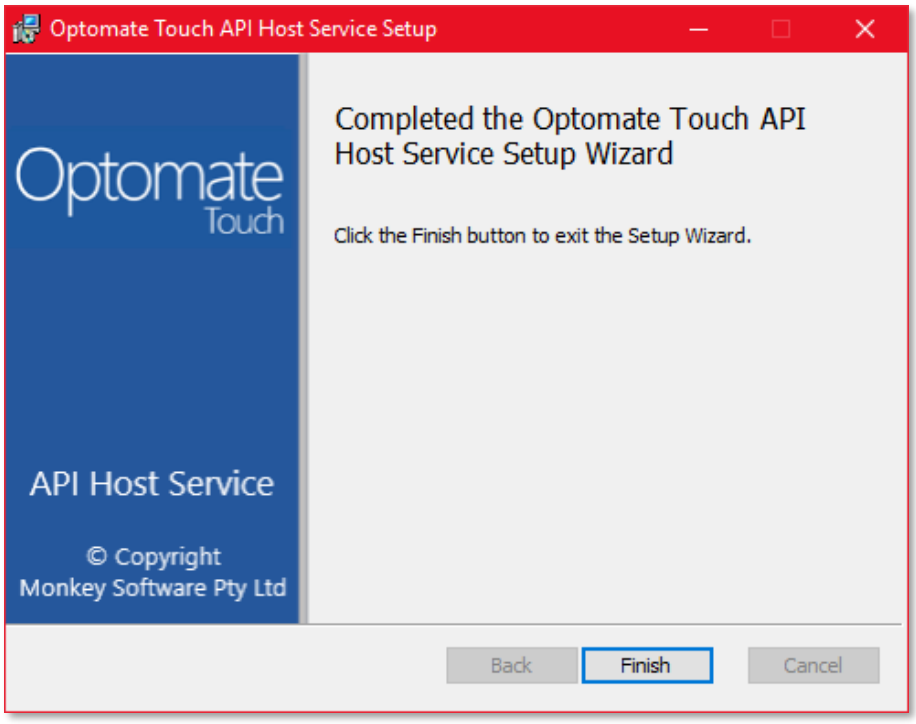
STEP 4

Click Install to install the Host Service.



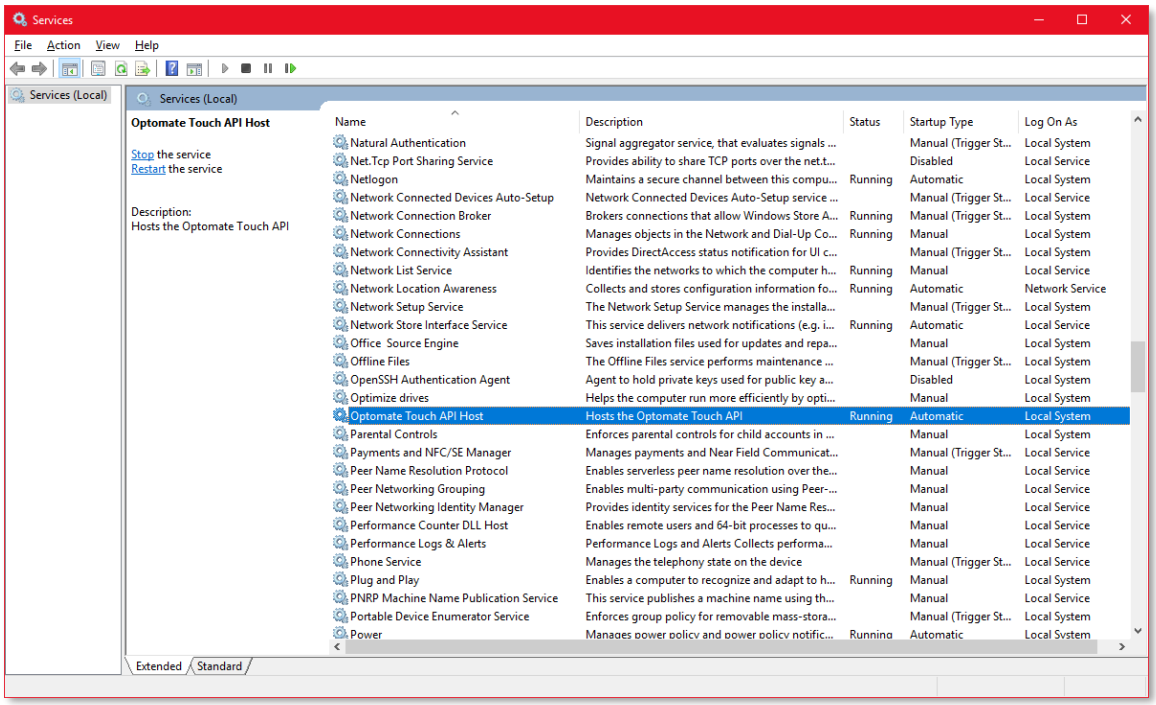
STEP 5

Click Finish to complete the installation.

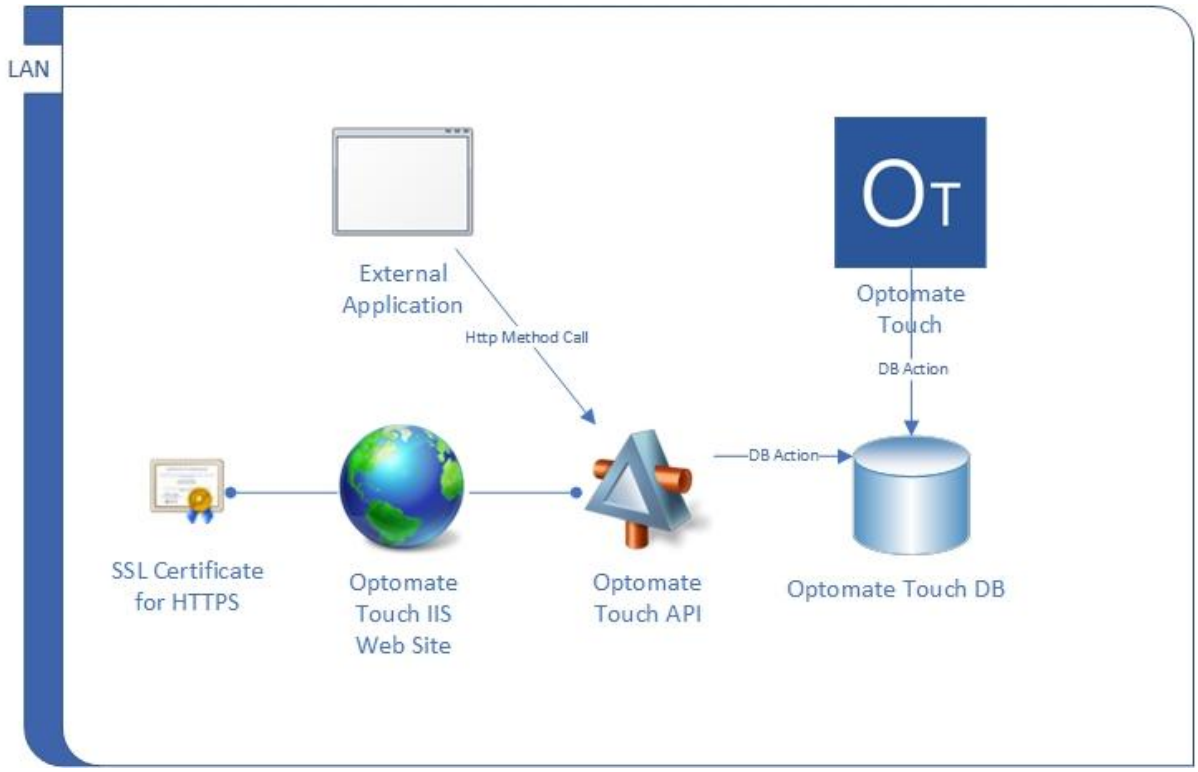


STEP 6

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

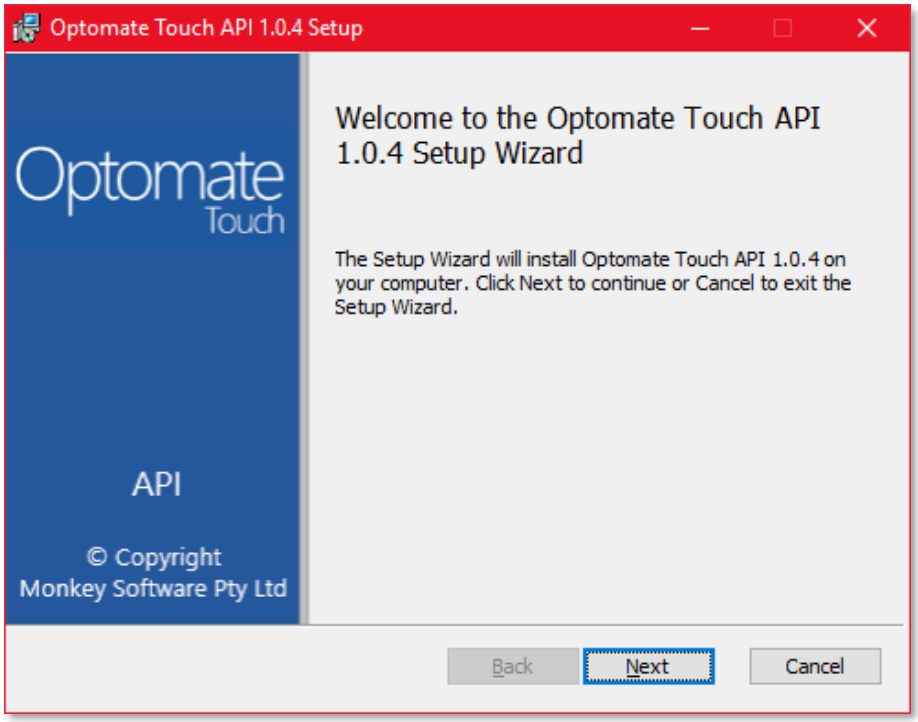
STEP 1

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.

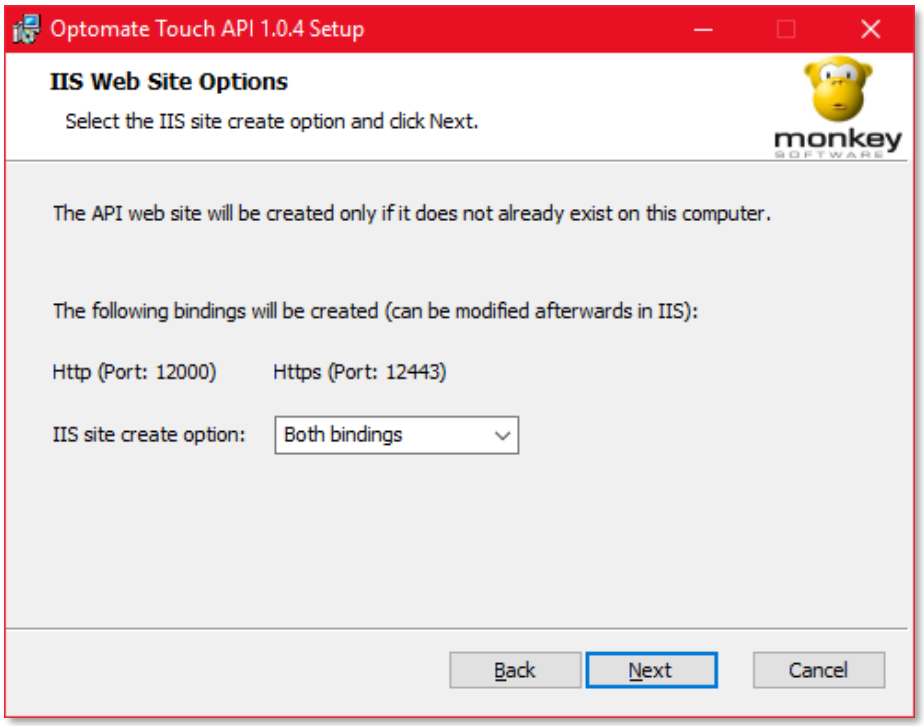
STEP 2

Click Next on the Welcome Window.



STEP 3

Select the IIS site create option and/or click Next 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:

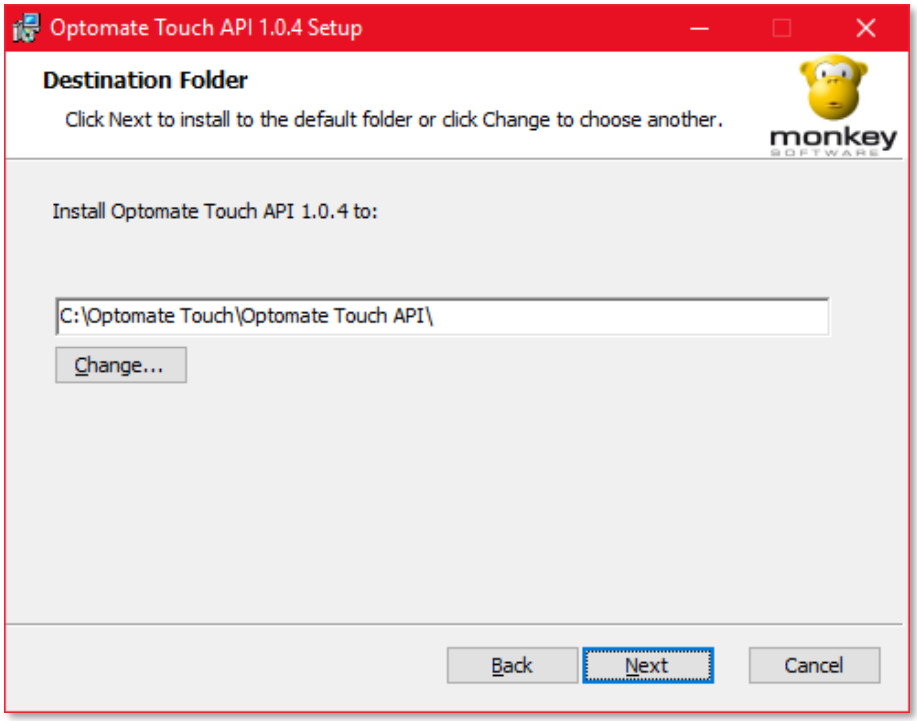
- IIS is configured on the computer where the API is being installed
- The user installing the API has admin privileges
- The API web site does not already exist in IIS

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.

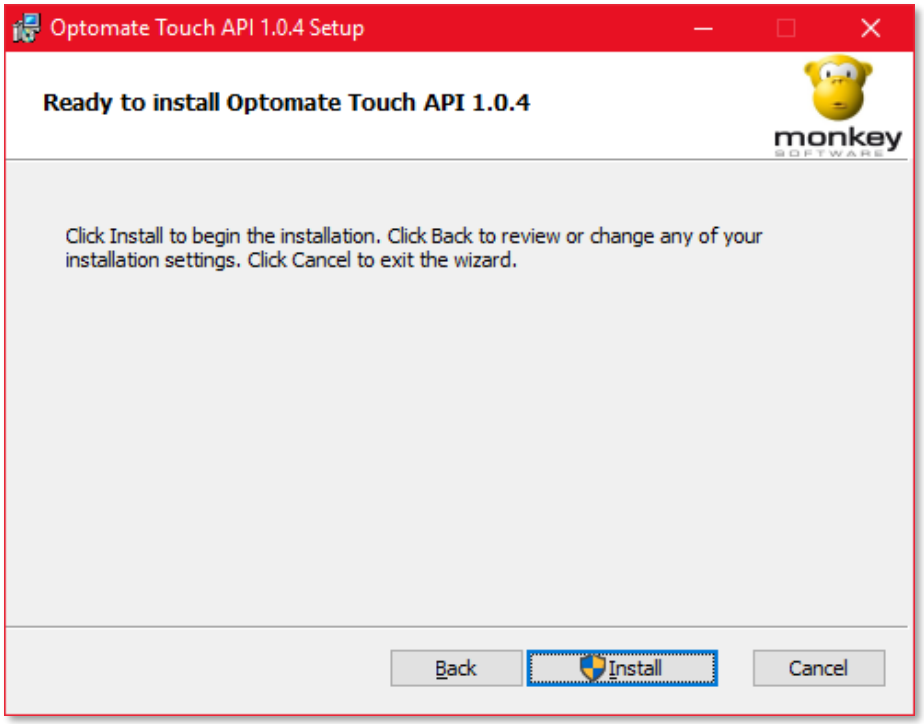
STEP 4

Click Next on the Destination Folder Window.



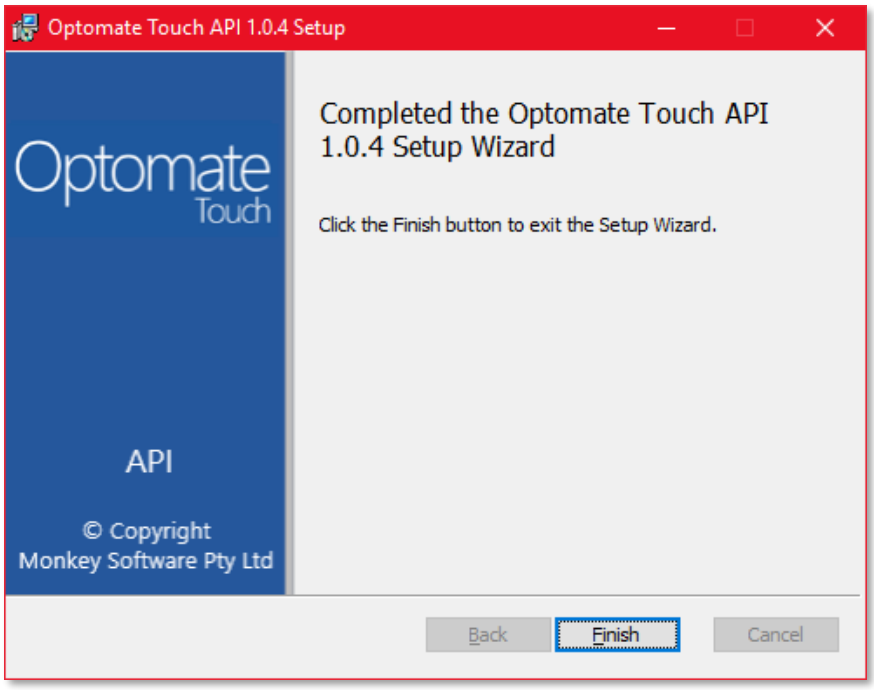
STEP 5

Click Install to install the API.



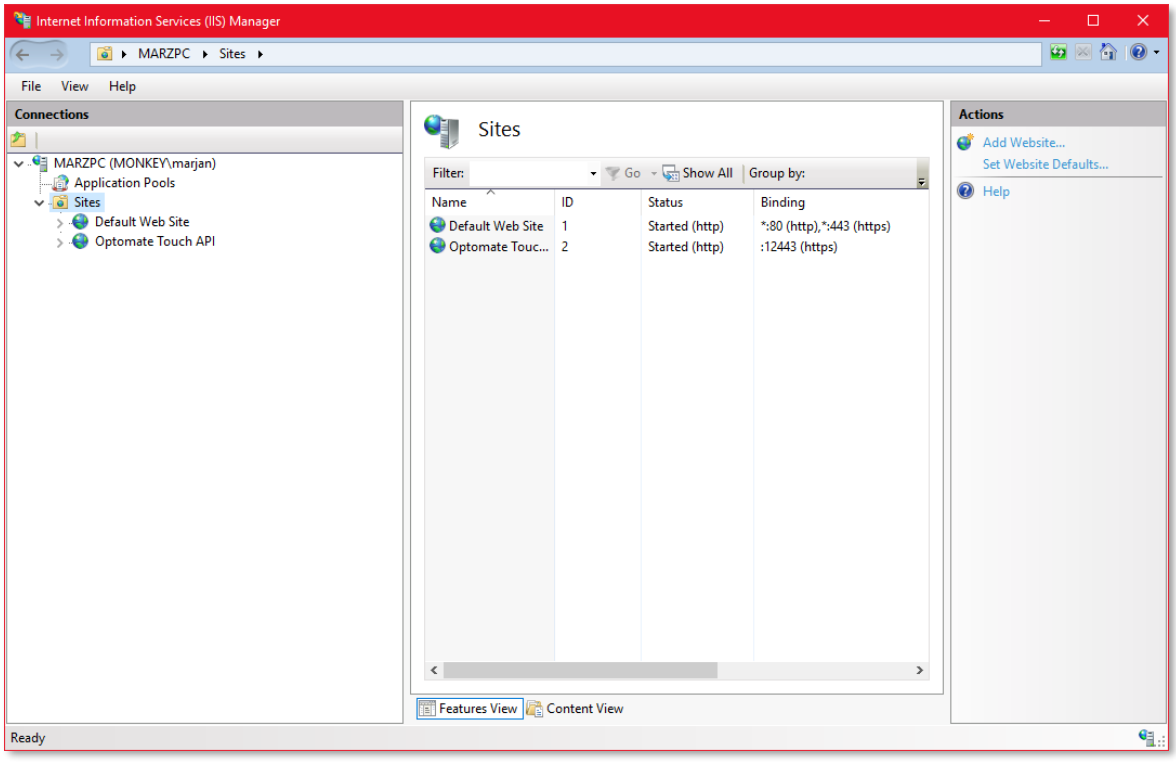
STEP 6

Click Finish 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.



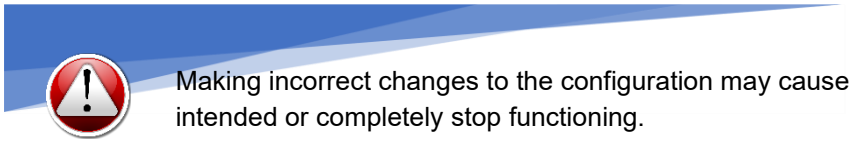
CONFIGURATION

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:

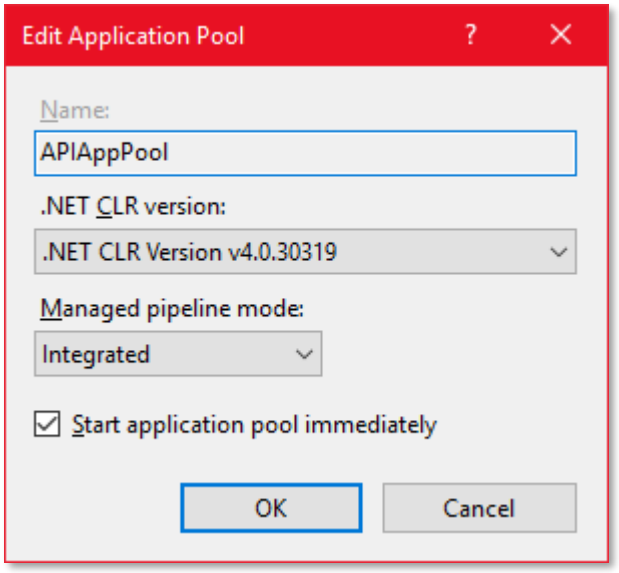
HOST (SELF-HOSTED ONLY)

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>
```

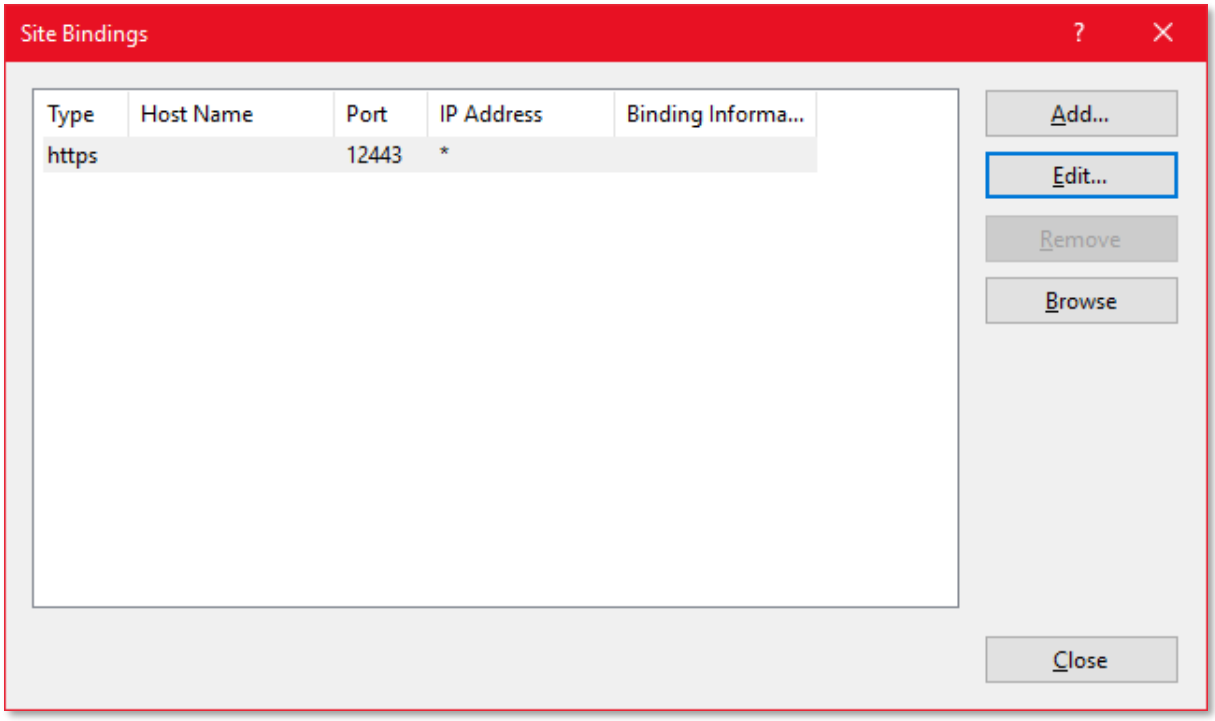
APPLICATION POOL (IIS HOSTED ONLY)

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):

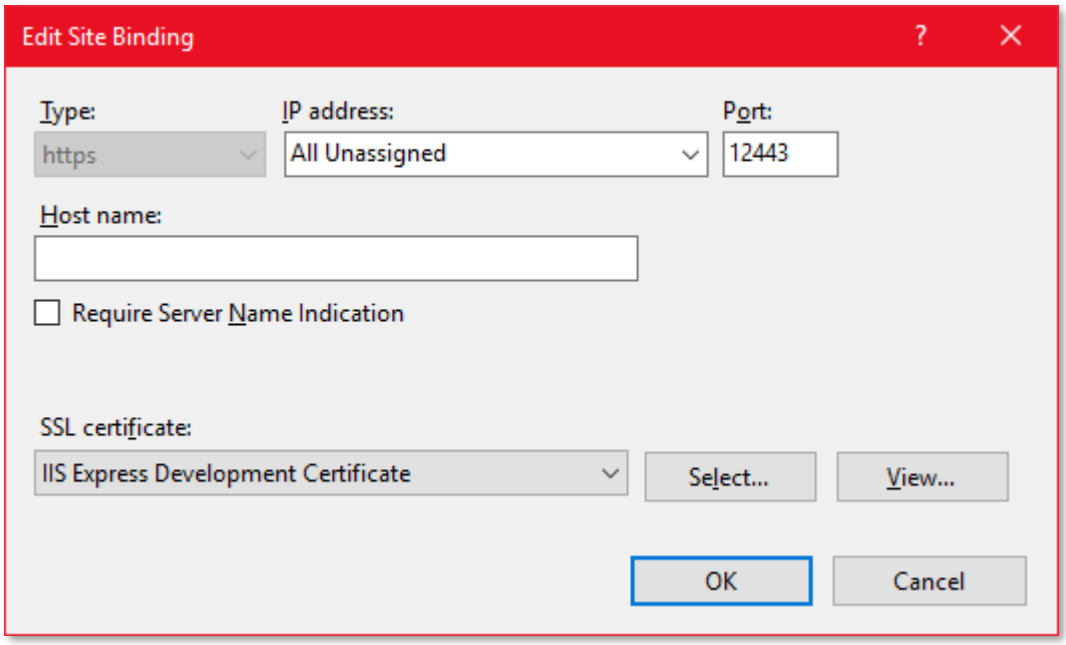


SITE BINDINGS (IIS HOSTED ONLY)

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

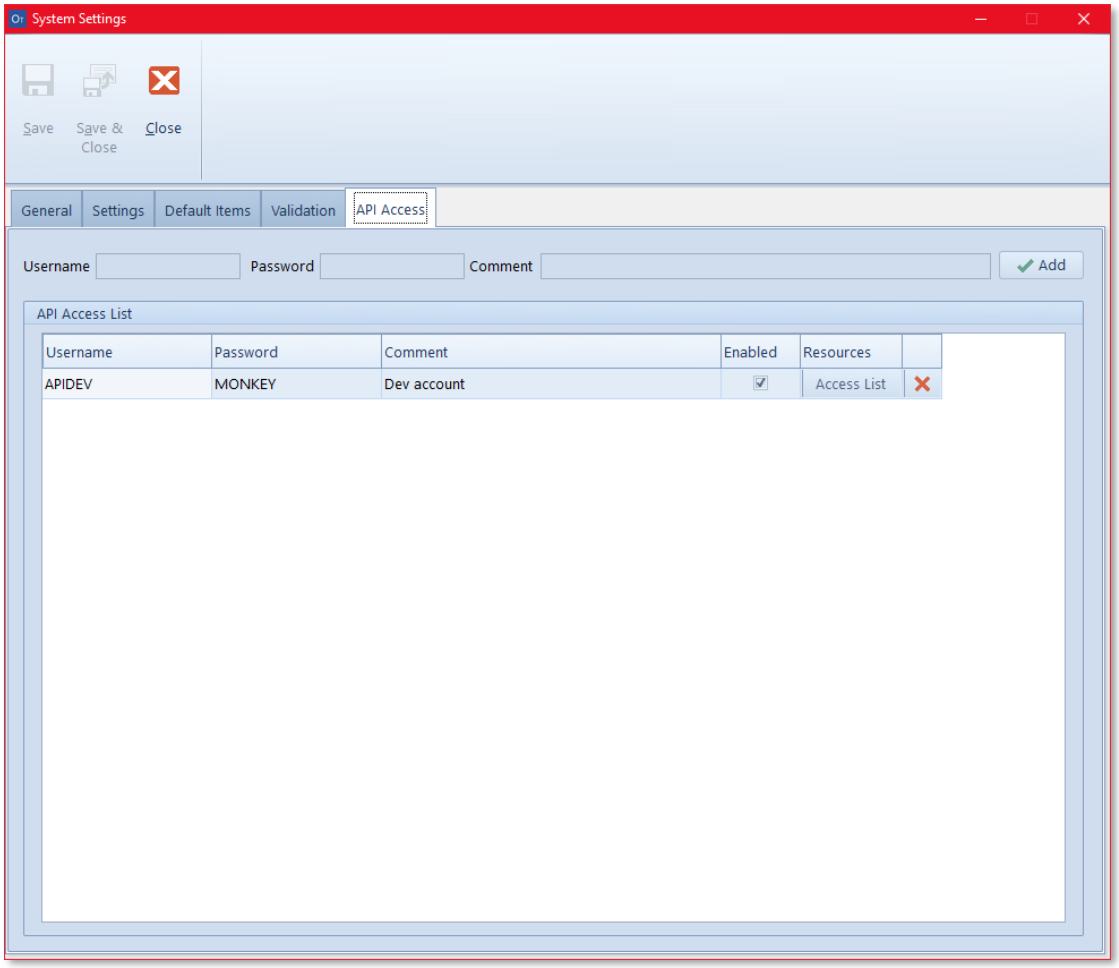
in the Setup tile group on the Optomate Touch home screen.

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

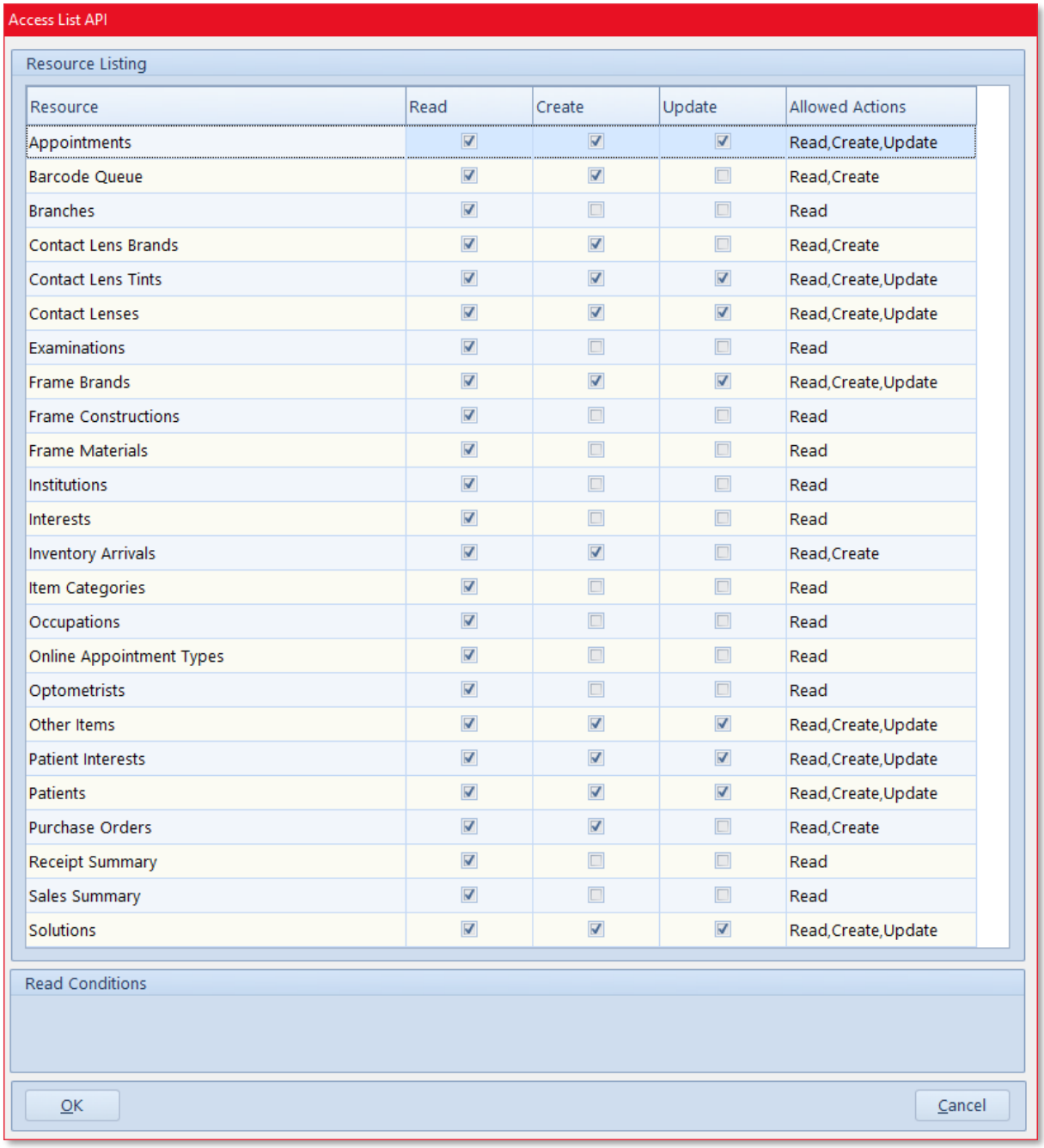
to create the API user.



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.



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

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

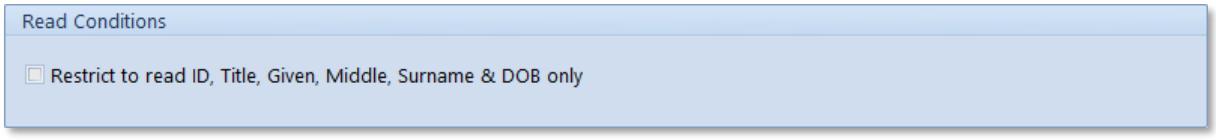
Click Save on the System Settings window to save all changes.

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

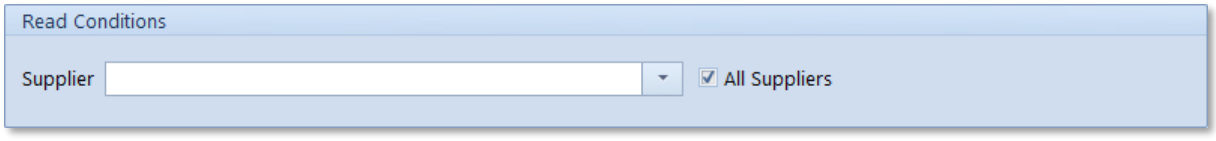
Each resource may have a set of conditions that can be configured to restrict the data that gets returned in the Get (Read) requests.

Patients



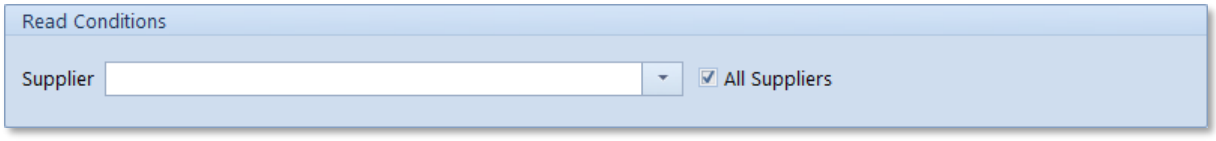
By default, all patients' fields are returned in the Get requests. Ticking the check box in Optomate Touch will restrict the Get requests to return only the fields listed in the condition for the selected API user.

Spectacle Lens Orders



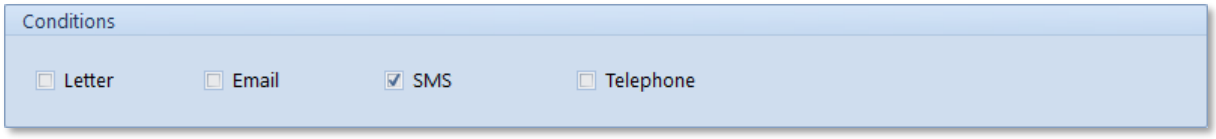
If the "All Suppliers" check box is ticked then all Spectacle Lens Orders will be returned in the Get requests. If a single Supplier is selected in the dropdown list then only the Spectacle Lens Orders for that supplier will be returned.

Contact Lens Orders



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



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	http(s)://<hostname>:<port>/OptomateTouch/OData4/
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 UPERCASE.

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	☒

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 Rxs

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	☒

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	☒
TRANSACTION	String (100)	☒
DESCRIPTION	String (4000)	☑
START TIME	DateTimeOffset *yyyy-MM-ddTHH:mm:sszzz*	☒
FINISH_TIME	DateTimeOffset *yyyy-MM-ddTHH:mm:sszzz*	☒

APPOINTMENT_ID	Int64	☑
BRANCH_IDENTIFIER	String (20)	☑
OPTOMETRIST_ID	Int64	☑
PATIENT_ID	Int64	☑
STATUS	Int32	☑
DURATION	Int64	☑

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	☒
DATE_ADDED	DateTimeOffset *yyyy-MM-ddTHH:mm:ssfffzzz*	☒
USER_ADDED	String (20)	☒
DATE_EDITED	DateTimeOffset *yyyy-MM-ddTHH:mm:ssfffzzz*	☑
USER_EDITED	String (20)	☑
STARTDATETIME	DateTimeOffset *yyyy-MM-ddTHH:mm:sszzz*	☒
ENDDATETIME	DateTimeOffset *yyyy-MM-ddTHH:mm:sszzz*	☒
COMMENTS	String (4000)	☑
CAPTION	String (100)	☑
BRANCH_IDENTIFIER	String (20)	☒
OPTOMETRIST_ID	Int32	☒
APPOINTMENT_TYPE	String (20)	☑
PATIENT_ID	Int32	☑
STATUS	Int32	☒
IS_BREAK	Boolean	☒
LOCK_APP	Boolean	☒
DURATION	Int32	☑

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.

Note: The /OptometristsAvailability and /DispensersAvailability endpoints use the regional date and time settings of the environment's system account. To ensure correct operation, the system account must be configured with the **en-AU** locale.

Input

Name	Type : Default	Null
SEARCH	Record (Search)	☒

Output

List of Optometrists' Appointment Availabilities. SCHEDULE displays the Optometrists' start and end times while AVAILABLE_TIMEBLOCKS are the free times for each day.

Name	Type	Null
OPTOMETRISTS	Collection (Appointment Availability)	☒

POST Appointments/DispensersAvailability

Gets Dispensers' 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 Dispensers. If a list of Dispensers is not provided then availability is returned for all Dispensers at the given branch.

Input

Name	Type : Default	Null
SEARCH	Record (Search)	☒

Output

List of Dispensers' Appointment Availabilities. SCHEDULE displays the Dispensers' start and end times while AVAILABLE_TIMEBLOCKS are the free times for each day.

Name	Type	Null
DISPENSERS	Collection (Appointment Availability)	☒

Search

Name	Type : Default	Null
BRANCH_IDENTIFIER	String (20)	☒
STARTDATETIME	DateTime *yyyy-MM-ddTHH:mm*	☒
ENDDATETIME	DateTime *yyyy-MM-ddTHH:mm*	☒
OPTOMETRIST_IDS	Collection (Int64)	☑

Appointment Availability

Name	Type	Null

ID	Int64	☒
GIVEN_NAME	String (100)	☒
SURNAME	String (200)	☒
SCHEDULE	Collection (Time Block)	☑
AVAILABLE_TIMEBLOCKS	Collection (Time Block)	☑

Time Block

Name	Type	Null
STARTDATETIME	DateTimeOffset *yyyy-MM-ddTHH:mm:sszzz*	☒
ENDDATETIME	DateTimeOffset *yyyy-MM-ddTHH:mm:sszzz*	☒

POST Appointment

Creates an Appointment in Optomate Touch.

Input

Name	Type : Default	Null
STARTDATE	Date *yyyy-MM-dd*	☒
STARTTIME	TimeOfDay *HH:mm*	☒
ENDTIME	TimeOfDay *HH:mm* : <Calculated based on Optomate settings>	☑
COMMENTS	String (4000)	☑
CAPTION	String (100)	☑
BRANCH_IDENTIFIER	String (20)	☒
OPTOMETRIST_ID	Int64	☒
APPOINTMENT_TYPE	String (20)	☒
PATIENT_ID	Int64	☒
LOCK_APP	Boolean : false	☑

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	☒
MESSAGE	String	☑

PUT Appointment(ID)

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

Input

Name	Type : Default	Null
STARTDATE	Date *yyyy-MM-dd*	☒
STARTTIME	TimeOfDay *HH:mm*	☒
ENDTIME	TimeOfDay *HH:mm* : <Calculated based on Optomate settings>	☑
COMMENTS	String (4000)	☑
CAPTION	String (100)	☑
BRANCH_IDENTIFIER	String (20)	☒
OPTOMETRIST_ID	Int64	☒
APPOINTMENT_TYPE	String (20)	☒

PATIENT_ID	Int64	☒
CANCEL_APPOINTMENT	Boolean : false	☑
STATUS	Int32 *Will be ignored if null or CANCEL_APPOINTMENT is set*	☑
LOCK_APP	Boolean : false	☑

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 and DispensersAvailability)

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	☒
DATE_ADDED	DateTimeOffset *yyyy-MM-ddTHH:mm:ssfffzzz*	☒
USER_ADDED	String (20)	☒
STOCK_ID	Int64	☒
BARCODE	String (20)	☑
DESCRIPTION	String (100)	☑
QTY	Int32	☒
INCLUDE	Boolean	☒
BRANCH_IDENTIFIER	String (20)	☑
STOCK_TYPE	Int32	☑

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	☒
BRANCH_IDENTIFIER	String (20)	☒
STOCK_TYPE	Int32	☒

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	☒
IDENTIFIER	String (20)	☒
NAME	String (100)	☒
ADDRESS	String (200)	☑
SUBURB	String (50)	☑
STATE	String (100)	☑
POSTCODE	String (10)	☑
PHONE	String (20)	☑
FAX	String (10)	☑
EMAIL	String (100)	☑
WEBSITE	String (100)	☑
ABN	String (15)	☑
BUSINESS_PROVIDER_NUMBER	String (30)	☑
DEFAULT_APP_DURATION	Int64	☑
DEFAULT_OPTOMETRIST_ID	Int64	☑
REGION_ID	Int64	☑

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)	☒
ADDRESS	String (200)	☑
SUBURB	String (50)	☑
STATE	String (100)	☑
POSTCODE	String (10)	☑
PHONE	String (20)	☑
FAX	String (10)	☑
EMAIL	String (100)	☑
WEBSITE	String (100)	☑
ABN	String (15)	☑
BUSINESS_PROVIDER_NUMBER	String (30)	☑

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	☒
BUSINESS_NAME	String (100)	☒
ADDRESS	String (4000)	☑
SUBURB	String (100)	☑
STATE	String (100)	☑
POSTCODE	String (10)	☑
PHONE	String (20)	☑
FAX	String (20)	☑
EMAIL	String (100)	☑
WEBSITE	String (100)	☑
SOFTWARE_TYPE_ID	Int16	☒

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	☒
BARCODE	String (20)	☒
DESCRIPTION	String (100)	☒
MESSAGE	String (20)	☑
MBS_ITEM_NUMBER	String (5)	☑
CATEGORY_IDENTIFIER	String (20)	☒
INSTITUTION_IDENTIFIER	String (20)	☑
INITIAL_CONSULTATION	Boolean	☒
PRINT_REF_ON_INVREC	Boolean	☒
INCLUDE_MSG_ON_INVREC	Boolean	☒
SCHUDULE_FEE	Decimal	☒
DIRECT_FEE	Decimal	☒
IS_GST	Boolean	☒

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	☒
DATE_ADDED	DateTimeOffset *yyyy-MM-ddTHH:mm:ssfffzzz*	☒
USER_ADDED	String (20)	☒
DATE_EDITED	DateTimeOffset *yyyy-MM-ddTHH:mm:ssfffzzz*	☑

USER_EDITED	String (20)	☑
BARCODE	String (20)	☒
SINGLE_HEALTH_FUND	String (5)	☑
MULTI_HEALTH_FUND	String (5)	☑
HF_BILL_QTY	Int32	☑
DESCRIPTION	String (100)	☒
ACCOUNT_DESCRIPTION	String (100)	☑
SUPPLIER_STOCK_CODE	String (50)	☑
WEB_ADDRESS	String (4000)	☑
IS_GST	Boolean	☒
FEATURES	String (40)	☑
AXIS	String (40)	☑
POWER	String (40)	☑
TINT	String (40)	☑
WATERCONTENT	Double	☑
OXYGEN	String (10)	☑
DISPOSABLE	Boolean	☒
EXTENDEDWEAR	Boolean	☒
NUMBEROFDAYSUSAGE	Double	☒
FREQUENCY	String (1)	☑
NODAYSATLAB	Double	☒
BRAND_IDENTIFIER	String (20)	☑
CATEGORY_IDENTIFIER	String (20)	☒
SUPPLIER_IDENTIFIER	String (20)	☒
INSTITUTION_IDENTIFIER	String (20)	☑
EYETALK_PERMID	String (20)	☑
EYETALK_BOOKCODE	String (20)	☑
CIBA_CODE	String (20)	☑
JJ_PRODUCTCODE	String (15)	☑
NOTES	String (4000)	☑
BRANCH_INFOS	Collection (Contact Lens Branch)	☑
MEASURES	Collection (Contact Lens Measure)	☑

CONTACT LENS BRANCH

Name	Type	Null
ID	Int64	☒
BRANCH_IDENTIFIER	String (20)	☒
COSTINC	Decimal	☒
COSTEX	Decimal	☒
SELLINC	Decimal	☒
MEMBER_SELLINC	Decimal	☒
LISTPRICEEX	Decimal	☒
RRPINC	Decimal	☒
DEFAULT_SELLQTY	Int64	☒
QOH	Int64	☒
REORDER_LEVEL	Int64	☒
REORDER_QUANTITY	Int64	☒
INVENTORY	Boolean	☒
INACTIVE	Boolean	☒
FAVOURITE	Boolean	☒

CONTACT LENS MEASURE

Name	Type	Null
ID	Int64	☒

BASECURVE	Double	☒
DIAMETER	Double	☒
HML	String (1)	☑

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.

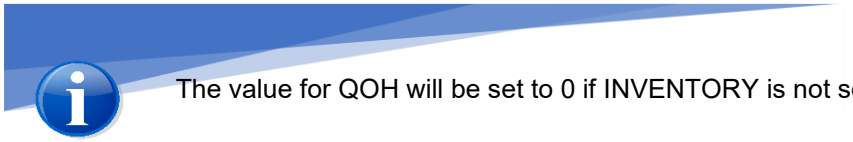
Input

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

CONTACT LENS BRANCH

Name	Type : Default	Null
COSTINC	Decimal : 0	☑

COSTEX	Decimal : 0	☑
SELLINC	Decimal : 0	☑
LISTPRICEEX	Decimal : 0	☑
RRPINC	Decimal : 0	☑
DEFAULT_SELLQTY	Int64 : 0	☑
QOH	Int64 : 0	☑
REORDER_LEVEL	Int64 : 0	☑
REORDER_QUANTITY	Int64 : 0	☑
INVENTORY	Boolean : false	☑
INACTIVE	Boolean : false	☑
FAVOURITE	Boolean : false	☑



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)	☒
BASECURVE	Double : 0	☑
DIAMETER	Double : 0	☑
HML	String (1)	☑

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)	☑
MULTI_HEALTH_FUND	String (5)	☑
HF_BILL_QTY	Int32 : 0	☑
DESCRIPTION	String (100)	☒
ACCOUNT_DESCRIPTION	String (100)	☑
SUPPLIER_STOCK_CODE	String (50)	☑
WEB_ADDRESS	String (4000)	☑
IS_GST	Boolean : false	☑
FEATURES	String (40)	☑
AXIS	String (40)	☑
POWER	String (40)	☑
TINT	String (40)	☑
WATERCONTENT	Double : 0	☑
OXYGEN	String (10)	☑
DISPOSABLE	Boolean : false	☑
EXTENDEDWEAR	Boolean : false	☑
NUMBEROFDAYSUSAGE	Double : 0	☑
FREQUENCY	String (1)	☑
NODAYSATLAB	Double : 0	☑
BRAND_IDENTIFIER	String (20)	☑

CATEGORY_IDENTIFIER	String (20)	☒
SUPPLIER_IDENTIFIER	String (20)	☒
INSTITUTION_IDENTIFIER	String (20)	☑
EYETALK_PERMID	String (20)	☑
EYETALK_BOOKCODE	String (20)	☑
CIBA_CODE	String (20)	☑
JJ_PRODUCTCODE	String (15)	☑
NOTES	String (4000)	☑
BRANCH_INFO	Contact Lens Branch	☑
MEASURES	Collection (Contact Lens Measure)	☑

CONTACT LENS BRANCH

Name	Type : Default	Null
BRANCH_IDENTIFIER	String (20)	☑
COSTINC	Decimal : 0	☑
COSTEX	Decimal : 0	☑
SELLINC	Decimal : 0	☑
LISTPRICEEX	Decimal : 0	☑
RRPINC	Decimal : 0	☑
DEFAULT_SELLQTY	Int64 : 0	☑
QOH	Int64 : 0	☑
INVENTORY	Boolean : false	☑
INACTIVE	Boolean : false	☑
FAVOURITE	Boolean : false	☑

CONTACT LENS MEASURE

Name	Type : Default	Null
OPERATION	String (1)	☒
ID	Int32	☑
BASECURVE	Double : 0	☑
DIAMETER	Double : 0	☑
HML	String (1)	☑

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	☒
DATE_ADDED	DateTimeOffset *yyyy-MM-ddTHH:mm:ssfffzzz*	☒
USER_ADDED	String (20)	☒
DATE_EDITED	DateTimeOffset *yyyy-MM-ddTHH:mm:ssfffzzz*	☑
USER_EDITED	String (20)	☑
IDENTIFIER	String (20)	☒
SUPPLIER_ID	Int64	☒

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)	☒
SUPPLIER_ID	Int64	☒

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	☒
DATE_ADDED	DateTimeOffset *yyyy-MM-ddTHH:mm:ssfffzzz*	☒
USER_ADDED	String (20)	☒
DATE_EDITED	DateTimeOffset *yyyy-MM-ddTHH:mm:ssfffzzz*	☑
USER_EDITED	String (20)	☑
PATIENT_ID	Int64	☒
ORDER_DATE	Date *yyyy-MM-dd*	☒
REQUIRED_DATE	Date *yyyy-MM-dd*	☑
ORDERED_DATE	Date *yyyy-MM-dd*	☑
RECEIVED_DATE	Date *yyyy-MM-dd*	☑
COLLECTED_DATE	Date *yyyy-MM-dd*	☑
FOLLOWED_UP_DATE	Date *yyyy-MM-dd*	☑
RESUPPLY_DATE	Date *yyyy-MM-dd*	☑
INVOICE_NUMBER	String (15)	☑
REFERENCE	String (20)	☑
ORDER_COMMENTS	String (4000)	☑
PRACTICE_COMMENTS	String (4000)	☑
RXDATE	Date *yyyy-MM-dd*	☑
EXPIRY_DATE	Date *yyyy-MM-dd*	☑
COMMENT	String (4000)	☑
RIGHT_BASE_CURVE_1	String (10)	☑
RIGHT_BASE_CURVE_2	String (10)	☑
RIGHT_BASE_CURVE_3	String (10)	☑
RIGHT_DIAMETER_1	String (10)	☑
RIGHT_DIAMETER_2	String (10)	☑
RIGHT_DIAMETER_3	String (10)	☑
RIGHT_OPTIC_SIZE	String (10)	☑
RIGHT_SPHERE	String (10)	☑
RIGHT_SPHERE2	String (10)	☑
RIGHT_CYL	String (10)	☑
RIGHT_AXIS	String (10)	☑
RIGHT_ADD	String (10)	☑
RIGHT_DNHML	String (10)	☑
RIGHT_MONO_DN	String (10)	☑
LEFT_BASE_CURVE_1	String (10)	☑
LEFT_BASE_CURVE_2	String (10)	☑
LEFT_BASE_CURVE_3	String (10)	☑
LEFT_DIAMETER_1	String (10)	☑
LEFT_DIAMETER_2	String (10)	☑
LEFT_DIAMETER_3	String (10)	☑
LEFT_OPTIC_SIZE	String (10)	☑
LEFT_SPHERE	String (10)	☑
LEFT_SPHERE2	String (10)	☑
LEFT _CYL	String (10)	☑
LEFT_AXIS	String (10)	☑
LEFT _ADD	String (10)	☑
LEFT _DNHML	String (10)	☑
LEFT _MONO_DN	String (10)	☑
WHEN_READY	String (1)	☑
WHEN_READY_TEXT	String (200)	☑
WARRANTY	String (1)	☑
WARRANTY_EXPIRY	Date *yyyy-MM-dd*	☑
CANCELLED	Boolean	☑
CANCELLED_REASON_ID	Int64	☑
RIGHT_LENS_BARCODE	String (20)	☑
RIGHT_LENS_DESCRIPTION	String (100)	☑

RIGHT_QTY	Int64	☑
RIGHT_TINT_IDENTIFIER	String (20)	☑
RIGHT_TOP	Single	☑
RIGHT_BOTTOM	Single	☑
LEFT_LENS_BARCODE	String (20)	☑
LEFT_LENS_ DESCRIPTION	String (100)	☑
LEFT_QTY	Int64	☑
LEFT_TINT_IDENTIFIER	String (20)	☑
LEFT_TOP	Single	☑
LEFT_BOTTOM	Single	☑
SUPPLIER_IDENTIFIER	String (20)	☑
LENSCOMMENT	String (100)	☑
PRINT_ON_CARD	Boolean	☒
PRINT_ON_ORDER	Boolean	☒
TRIAL_ONLY	Boolean	☒
BRANCH_IDENTIFIER	String (20)	☑
DISPENSER_IDENTIFIER	String (20)	☑
DELIVERY_BRANCH	String (20)	☑
API_STATUS	String (100)	☑
PATIENT_INVOICE_ID	Int64	☑

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	☒
ORDER_DATE	Date *yyyy-MM-dd* : <Current Date>	☑
REQUIRED_DATE	Date *yyyy-MM-dd*	☑
ORDERED_DATE	Date *yyyy-MM-dd*	☑
REFERENCE	String (20)	☑
ORDER_COMMENTS	String (4000)	☑
PRACTICE_COMMENTS	String (4000)	☑
RXDATE	Date *yyyy-MM-dd*	☑
COMMENT	String (4000)	☑
RIGHT_BASE_CURVE_1	String (10)	☑
RIGHT_BASE_CURVE_2	String (10)	☑
RIGHT_BASE_CURVE_3	String (10)	☑
RIGHT_DIAMETER_1	String (10)	☑
RIGHT_DIAMETER_2	String (10)	☑
RIGHT_DIAMETER_3	String (10)	☑
RIGHT_OPTIC_SIZE	String (10)	☑
RIGHT_SPHERE	String (10)	☑
RIGHT_SPHERE2	String (10)	☑
RIGHT_CYL	String (10)	☑
RIGHT_AXIS	String (10)	☑

RIGHT_ADD	String (10)	☑
RIGHT_DNHML	String (10)	☑
RIGHT_MONO_DN	String (10)	☑
LEFT_BASE_CURVE_1	String (10)	☑
LEFT_BASE_CURVE_2	String (10)	☑
LEFT_BASE_CURVE_3	String (10)	☑
LEFT_DIAMETER_1	String (10)	☑
LEFT_DIAMETER_2	String (10)	☑
LEFT_DIAMETER_3	String (10)	☑
LEFT_OPTIC_SIZE	String (10)	☑
LEFT_SPHERE	String (10)	☑
LEFT_SPHERE2	String (10)	☑
LEFT _CYL	String (10)	☑
LEFT_AXIS	String (10)	☑
LEFT _ADD	String (10)	☑
LEFT _DNHML	String (10)	☑
LEFT _MONO_DN	String (10)	☑
WHEN_READY	String (1)	☑
WHEN_READY_TEXT	String (200)	☑
WARRANTY	String (1)	☑
WARRANTY_EXPIRY	Date *yyyy-MM-dd*	☑
RIGHT_LENS_BARCODE	String (20)	☑
RIGHT_QTY	Int64	☑
RIGHT_TINT_IDENTIFIER	String (20)	☑
RIGHT_TOP	Single	☑
RIGHT_BOTTOM	Single	☑
LEFT_LENS_BARCODE	String (20)	☑
LEFT_QTY	Int64	☑
LEFT_TINT_IDENTIFIER	String (20)	☑
LEFT_TOP	Single	☑
LEFT_BOTTOM	Single	☑
SUPPLIER_IDENTIFIER	String (20)	☑
LENSCOMMENT	String (100)	☑
PRINT_ON_CARD	Boolean : false	☑
PRINT_ON_ORDER	Boolean : false	☑
TRIAL_ONLY	Boolean : false	☑
BRANCH_IDENTIFIER	String (20)	☒
DISPENSER_IDENTIFIER	String (20)	☑
DELIVERY_BRANCH	String (20)	☒
API_STATUS	String (100)	☑

PATCH ContactLensOrder(ID)

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

Input

Name	Type : Default	Null
ORDERED_DATE	Date *yyyy-MM-dd*	☑
RECEIVED_DATE	Date *yyyy-MM-dd*	☑
API_STATUS	String (100)	☑
CANCELLED	Boolean	☑
CANCELLED_REASON_ID	Int64	☑
PRACTICE_COMMENTS	String (4000)	☑

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	☒
DATE_ADDED	DateTimeOffset *yyyy-MM-ddTHH:mm:ssfffzzz*	☒
USER_ADDED	String (20)	☒
DATE_EDITED	DateTimeOffset *yyyy-MM-ddTHH:mm:ssfffzzz*	☑
USER_EDITED	String (20)	☑
PATIENT_ID	Int64	☒
RXDATE	Date *yyyy-MM-dd*	☒
EXPIRY_DATE	Date *yyyy-MM-dd*	☒
COMMENT	String (4000)	☑
RIGHT_BASE_CURVE_1	String (10)	☑
RIGHT_BASE_CURVE_2	String (10)	☑
RIGHT_BASE_CURVE_3	String (10)	☑
RIGHT_DIAMETER_1	String (10)	☑
RIGHT_DIAMETER_2	String (10)	☑
RIGHT_DIAMETER_3	String (10)	☑
RIGHT_OPTIC_SIZE	String (10)	☑
RIGHT_SPHERE	String (10)	☑
RIGHT_SPHERE2	String (10)	☑
RIGHT_CYL	String (10)	☑
RIGHT_AXIS	String (10)	☑
RIGHT_ADD	String (10)	☑
RIGHT_DNHML	String (10)	☑
RIGHT_MONO_DN	String (10)	☑
LEFT_BASE_CURVE_1	String (10)	☑
LEFT_BASE_CURVE_2	String (10)	☑

LEFT_BASE_CURVE_3	String (10)	☑
LEFT_DIAMETER_1	String (10)	☑
LEFT_DIAMETER_2	String (10)	☑
LEFT_DIAMETER_3	String (10)	☑
LEFT_OPTIC_SIZE	String (10)	☑
LEFT_SPHERE	String (10)	☑
LEFT_SPHERE2	String (10)	☑
LEFT _CYL	String (10)	☑
LEFT_AXIS	String (10)	☑
LEFT _ADD	String (10)	☑
LEFT _DNHML	String (10)	☑
LEFT _MONO_DN	String (10)	☑
RIGHT_LENS_BARCODE	String (20)	☑
RIGHT_LENS_DESCRIPTION	String (100)	☑
LEFT_LENS_BARCODE	String (20)	☑
LEFT_LENS_ DESCRIPTION	String (100)	☑
OPTOMETRIST_ID	String (20)	☒
BRANCH_IDENTIFIER	String (20)	☒
RIGHT_EYE_ONLY	Boolean	☒
LEFT_EYE_ONLY	Boolean	☒
PRACTICE_COMMENT	String (4000)	☑

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	☒
RXDATE	Date *yyyy-MM-dd*	☒
EXPIRY_DATE	Date *yyyy-MM-dd*	☒
COMMENT	String (4000)	☑
RIGHT_BASE_CURVE_1	String (10)	☑
RIGHT_BASE_CURVE_2	String (10)	☑
RIGHT_BASE_CURVE_3	String (10)	☑
RIGHT_DIAMETER_1	String (10)	☑
RIGHT_DIAMETER_2	String (10)	☑
RIGHT_DIAMETER_3	String (10)	☑
RIGHT_OPTIC_SIZE	String (10)	☑
RIGHT_SPHERE	String (10)	☑
RIGHT_SPHERE2	String (10)	☑
RIGHT_CYL	String (10)	☑
RIGHT_AXIS	String (10)	☑
RIGHT_ADD	String (10)	☑
RIGHT_DNHML	String (10)	☑
RIGHT_MONO_DN	String (10)	☑
LEFT_BASE_CURVE_1	String (10)	☑

LEFT_BASE_CURVE_2	String (10)	☑
LEFT_BASE_CURVE_3	String (10)	☑
LEFT_DIAMETER_1	String (10)	☑
LEFT_DIAMETER_2	String (10)	☑
LEFT_DIAMETER_3	String (10)	☑
LEFT_OPTIC_SIZE	String (10)	☑
LEFT_SPHERE	String (10)	☑
LEFT_SPHERE2	String (10)	☑
LEFT _CYL	String (10)	☑
LEFT_AXIS	String (10)	☑
LEFT _ADD	String (10)	☑
LEFT _DNHML	String (10)	☑
LEFT _MONO_DN	String (10)	☑
RIGHT_LENS_BARCODE	String (20)	☑
LEFT_LENS_BARCODE	String (20)	☑
OPTOMETRIST_ID	String (20)	☒
BRANCH_IDENTIFIER	String (20)	☒
RIGHT_EYE_ONLY	Boolean : False	☑
LEFT_EYE_ONLY	Boolean : False	☑
PRACTICE_COMMENT	String (4000)	☑

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	☒
DATE_ADDED	DateTimeOffset *yyyy-MM-ddTHH:mm:ssffzzz*	☒
USER_ADDED	String (20)	☒
DATE_EDITED	DateTimeOffset *yyyy-MM-ddTHH:mm:ssffzzz*	☑
USER_EDITED	String (20)	☑
BARCODE	String (20)	☒
SINGLE_HEALTH_FUND	String (5)	☑
MULTI_HEALTH_FUND	String (5)	☑
DESCRIPTION	String (100)	☒
ACCOUNT_DESCRIPTION	String (100)	☑
SUPPLIER_STOCK_CODE	String (50)	☑

IS_GST	Boolean	☒
CATEGORY_IDENTIFIER	String (20)	☒
SUPPLIER_IDENTIFIER	String (20)	☒
CIBA_CODE	String (20)	☑
NOTES	String (4000)	☑
BRANCH_INFOS	Collection (Contact Lens Tint Branch)	☒

CONTACT LENS TINT BRANCH

Name	Type : Default	Null
BRANCH_IDENTIFIER	String (20)	☒
COSTINC	Decimal	☒
COSTEX	Decimal	☒
SELLINC	Decimal	☒
MEMBER_SELLINC	Decimal	☒
INACTIVE	Boolean	☒
FAVOURITE	Boolean	☒

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)	☒
SINGLE_HEALTH_FUND	String (5)	☑
MULTI_HEALTH_FUND	String (5)	☑
DESCRIPTION	String (100)	☒
ACCOUNT_DESCRIPTION	String (100)	☑
SUPPLIER_STOCK_CODE	String (50)	☑
IS_GST	Boolean : false	☑
CATEGORY_IDENTIFIER	String (20)	☒
SUPPLIER_IDENTIFIER	String (20)	☒
CIBA_CODE	String (20)	☑
NOTES	String (4000)	☑
BRANCH_INFO	Contact Lens Tint Branch	☑

CONTACT LENS TINT BRANCH

Name	Type : Default	Null
COSTINC	Decimal : 0	☑
COSTEX	Decimal : 0	☑
SELLINC	Decimal : 0	☑

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)	☑
MULTI_HEALTH_FUND	String (5)	☑
DESCRIPTION	String (100)	☒
ACCOUNT_DESCRIPTION	String (100)	☑
SUPPLIER_STOCK_CODE	String (50)	☑
IS_GST	Boolean : false	☑
CATEGORY_IDENTIFIER	String (20)	☒
SUPPLIER_IDENTIFIER	String (20)	☒
CIBA_CODE	String (20)	☑
NOTES	String (4000)	☑
BRANCH_INFO	Contact Lens Tint Branch	☑
INACTIVE	Boolean	☒
FAVOURITE	Boolean	☒

CONTACT LENS TINT BRANCH

Name	Type : Default	Null
BRANCH_IDENTIFIER	String (20)	☑
COSTINC	Decimal : 0	☑
COSTEX	Decimal : 0	☑
SELLINC	Decimal : 0	☑
INACTIVE	Boolean	☒
FAVOURITE	Boolean	☒

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	☒
IDENTIFIER	String (20)	☒
BRANCH_ IDENTIFIER	String (20)	☒
GIVEN_NAME	String (100)	☒
SURNAME	String (200)	☒
INACTIVE	Boolean	☒

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	☒
DATE_ADDED	DateTimeOffset *yyyy-MM-ddTHH:mm:ssfffzzz*	☒
USER_ADDED	String (20)	☒
DATE_EDITED	DateTimeOffset *yyyy-MM-ddTHH:mm:ssfffzzz*	☑
USER_EDITED	String (20)	☑
EXAM_DESCRIPTION	String (80)	☒
EXAM_MANUAL_NOTE	String (50)	☑
EXAM_DATE	DateTimeOffset *yyyy-MM-ddTHH:mm:sszzz*	☒
EXAM_TIME	TimeOfDay *hh:mm tt*	☒
PATIENT_ID	Int64	☒
BRANCH_IDENTIFIER	String (20)	☒
OPTOMETRIST_ID	Int64	☒
DETAILS	Record (Examination Detail)	☒
CURRENT_MEDICATIONS	Collection (Examination Current Medication)	☑
PRESCRIBED_MEDICATIONS	Collection (Examination Prescribed Medication)	☑
ADDENDUMS	Collection (Examination Addendum)	☑

EXAMINATION DETAIL

See Appendices for details.

EXAMINATION CURRENT MEDICATION

Name	Type	Null
MEDICATION_DATE	DateTimeOffset *yyyy-MM-ddTHH:mm:sszzz*	☒
COMMON_NAME	String (60)	☒
DRUG_NAME	String (80)	☒
DOSAGE	String (100)	☑

FREQUENCY	String (100)	☑
TREATMENT_OF	String (20)	☑
CLASS	String (20)	☑
PBS_DRUG	Boolean	☒
RPBS_DRUG	Boolean	☒
REQUIRES_AUTHORITY	Boolean	☒
REPEATS	Int64	☒
SCHEDULE	Int64	☒
PREG_CLASS	String (20)	☑
EYE	String (1)	☑
NO_BRAND_SUBSTITUTION	Boolean	☒

EXAMINATION PRESCRIBED MEDICATION

Name	Type	Null
MEDICATION_DATE	DateTimeOffset *yyyy-MM-ddTHH:mm:sszzz*	☒
COMMON_NAME	String (60)	☒
DRUG_NAME	String (80)	☒
DOSAGE	String (100)	☑
FREQUENCY	String (100)	☑
TREATMENT_OF	String (20)	☑
CLASS	String (20)	☑
PBS_DRUG	Boolean	☒
RPBS_DRUG	Boolean	☒
REQUIRES_AUTHORITY	Boolean	☒
REPEATS	Int64	☒
SCHEDULE	Int64	☒
PREG_CLASS	String (20)	☑
EYE	String (1)	☑
AUTHORISATION_NUMBER	String (20)	☑
NO_BRAND_SUBSTITUTION	Boolean	☒

EXAMINATION ADDENDUM

Name	Type	Null
DESCRIPTION	String (60)	☒
NOTES	String (4000)	☒

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 *yyyy-MM-dd*	☒
EXAM_TIME	TimeOfDay *hh:mm tt*	☒
PATIENT_ID	Int64	☒
BRANCH_IDENTIFIER	String (20)	☒
OPTOMETRIST_ID	Int64	☒
DETAILS	Record (Examination Detail Input)	☑

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)	☒

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)	☑
COMPLAINT_NOTE	String (4000)	☑
COMPLETED	Boolean	☑
GENERAL_HEALTH_NOTE	String (4000)	☑
PAST_OCULAR_HISTORY_NOTE	String (4000)	☑
FAMILY_OCULAR_HISTORY_NOTE	String (4000)	☑

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	☒
IDENTIFIER	String (20)	☒
NAME	String (100)	☒
ADDRESS	String (200)	☑
SUBURB	String (50)	☑
STATE	String (100)	☑
POSTCODE	String (10)	☑
PHONE1	String (20)	☑
PHONE2	String (20)	☑
FAX	String (20)	☑
EMAIL	String (100)	☑
WEBSITE	String (100)	☑
CONTACT	String (20)	☑
NOTES	String (4000)	☑
REBATE	String (1)	☑

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	☒
IDENTIFIER	String (20)	☒
NAME	String (50)	☒

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	☒
DATE_ADDED	DateTimeOffset *yyyy-MM-ddTHH:mm:ssfffzzz*	☒
USER_ADDED	String (20)	☒
DATE_EDITED	DateTimeOffset *yyyy-MM-ddTHH:mm:ssfffzzz*	☑
USER_EDITED	String (20)	☑
IDENTIFIER	String (20)	☒
SUPPLIER_ID	Int64	☒
DOWNLOAD	Boolean	☒

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)	☒
SUPPLIER_ID	Int64	☒
DOWNLOAD	Boolean : False	☑

PUT FrameBrand(ID)

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

Input

Name	Type : Default	Null
DOWNLOAD	Boolean : False	☑

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	☒
IDENTIFIER	String (20)	☒
NAME	String (50)	☒

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	☒
IDENTIFIER	String (20)	☒
NAME	String (50)	☒

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	☒
DATE_ADDED	DateTimeOffset *yyyy-MM-ddTHH:mm:ssfffzzz*	☒
USER_ADDED	String (20)	☒
DATE_EDITED	DateTimeOffset *yyyy-MM-ddTHH:mm:ssfffzzz*	☑
USER_EDITED	String (20)	☑
INSTITUTION_ID	Int64	☒
PAID_AMOUNT	Decimal	☒
DATE_OF_PAYMENT	Date *yyyy-MM-dd*	☒
BRANCH_IDENTIFIER	String (20)	☒
REBATE_PAYMENTS	Collection (Rebate Payment)	☒

REBATE PAYMENT

Name	Type	Null
ID	Int64	☒
PATIENT_ID	Int64	☒
INVOICE_ID	Int64	☒
INVOICE_ITEM_ID	Int64	☒
PAID_AMOUNT	Decimal	☒

POST InstitutionReceipt

Creates an Institution Receipt in Optomate Touch.

Input

Name	Type : Default	Null
INSTITUTION_ID	Int64	☒
PATIENT_ID	Int64	☒
INVOICE_ID	Int64	☒
PAID_AMOUNT	Decimal	☒
PAYMENT_TYPE_CODE	String (3)	☒
DATE_OF_PAYMENT	Date *yyyy-MM-dd* : <Current Date>	☑
BRANCH_IDENTIFIER	String (20)	☒
OPTOMETRIST_ID	Int64	☒

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	☒
NAME	String (200)	☒

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	☒
DATE_ADDED	DateTimeOffset *yyyy-MM-ddTHH:mm:ssfffzzz*	☒
USER_ADDED	String (20)	☒
DATE_EDITED	DateTimeOffset *yyyy-MM-ddTHH:mm:ssfffzzz*	☑
USER_EDITED	String (20)	☑
SUPPLIER_IDENTIFIER	String (20)	☒
BRANCH_IDENTIFIER	String (3)	☒
INVOICE_NUMBER	String (30)	☒
REFERENCE	String (100)	☑
ARRIVAL_DATE	Date *yyyy-MM-dd*	☒
INVOICE_DATE	Date *yyyy-MM-dd*	☒
COMMENTS	String (4000)	☑
OTHERITEM_DETAILS	String (200)	☑
OTHERITEM_IS_GST	Boolean	☒
OTHERITEM_AMOUNTEX	Decimal	☒
OTHERITEM_AMOUNTINC	Decimal	☒
FREIGHT_IS_GST	Boolean	☒
FREIGHT_EXGST	Decimal	☒
FREIGHT_INCGST	Decimal	☒

DISCOUNT	Decimal	☒
TOTAL_GST	Decimal	☒
ARRIVAL_TYPE	Int32	☒
FROM_PURCH_ORDER	Boolean	☑
PURCH_ORDER_ID	String	☑
SUB_TOTAL	Decimal	☒
TOTAL	Decimal	☒
ORDER_ID	Int32	☑
ORDER_TYPE	Int32 *Ref ID OrderTypes*	☑
ITEMS	Collection (Inventory Arrival Item)	☒

INVENTORY ARRIVAL ITEM

Name	Type	Null
ID	Int64	☒
UNIQUE_ITEM_ID	Int64	☒
STOCK_TYPE_ID	Int32	☒
QTY	Int32	☒
ITEM_COMMENT	String (100)	☑
DISCOUNT_PERCENT	Double	☒
LIST_PRICEEX	Decimal	☒
IS_TAXABLE	Boolean	☒
EXTENDED _PRICEEX	Decimal	☒

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)	☒
BRANCH_IDENTIFIER	String (3)	☒
INVOICE_NUMBER	String (30)	☒
REFERENCE	String (100)	☑
ARRIVAL_DATE	Date *yyyy-MM-dd* : <Current Date>	☑
INVOICE_DATE	Date *yyyy-MM-dd* : <Current Date>	☑
COMMENTS	String (4000)	☑
OTHERITEM_DETAILS	String (200)	☑
OTHERITEM_IS_GST	Boolean : false	☑
OTHERITEM_AMOUNTEX	Decimal : 0	☑
FREIGHT_IS_GST	Boolean : false	☑
FREIGHT_EXGST	Decimal : 0	☑
ARRIVAL_TYPE	Int32	☒
FROM_PURCH_ORDER	Boolean : false	☑
PURCH_ORDER_ID	Int64	☑
ITEMS	Collection (Inventory Arrival Item)	☒

ITEMS

Name	Type : Default	Null
ID	Int64	☒
STOCK_TYPE_ID	Int32	☒
QTY	Int32	☒
ITEM_COMMENT	String (100)	☑
DISCOUNT_PERCENT	Double : 0	☑
LIST_PRICEEX	Decimal : <Item List Price>	☑

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
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	☒
DATE_ADDED	DateTimeOffset *yyyy-MM-ddTHH:mm:ssfffzzz*	☒
USER_ADDED	String (20)	☒
DATE_EDITED	DateTimeOffset *yyyy-MM-ddTHH:mm:ssfffzzz*	☑
USER_EDITED	String (20)	☑
BRANCH_IDENTIFIER	String (3)	☒
TYPE	Int64	☒
QTY	Int64	☒
PRE_QOH	Int64	☒
POST_QOH	Int64	☒
BARCODE	String (20)	☒
SUPPLIER_STOCK_CODE	String (50)	☑
INVENTORY_DESCRIPTION	String (100)	☒
INVENTORY_TYPE	Int64	☒
DISPLAY	Boolean	☒
CONSIGNEMENT	Boolean	☒
SUPPLIER_IDENTIFIER	String (20)	☒
TRANSFER_BRANCH_IDENTIFIER	String (3)	☑

ADJUSTMENT_REASON	String (100)	☑

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	☒
DATE_ADDED	DateTimeOffset *yyyy-MM-ddTHH:mm:ssfffzzz*	☒
USER_ADDED	String (20)	☒
DATE_EDITED	DateTimeOffset *yyyy-MM-ddTHH:mm:ssfffzzz*	☑
USER_EDITED	String (20)	☑
SUPPLIER_IDENTIFIER	String (20)	☒
BRANCH_IDENTIFIER	String (3)	☒
REFERENCE	String (100)	☑
RETURN_DATE	Date *yyyy-MM-dd*	☒
COMMENTS	String (4000)	☑
CREDITNOTE_NO	String (20)	☑
CREDIT_ENT_DATE	Date *yyyy-MM-dd*	☑
CREDIT_DATE	Date *yyyy-MM-dd*	☑
OTHERITEM_DETAILS	String (200)	☑
OTHERITEM_IS_GST	Boolean	☒
OTHERITEM_AMOUNTEX	Decimal	☒
OTHERITEM_AMOUNTINC	Decimal	☒
FREIGHT_IS_GST	Boolean	☒
FREIGHT_EXGST	Decimal	☒
FREIGHT_INCGST	Decimal	☒
TOTAL_GST	Decimal	☒
RETURN_TYPE_ID	Int32	☒
SUB_TOTAL	Decimal	☒
TOTAL	Decimal	☒
ITEMS	Collection (Inventory Return Item)	☒

INVENTORY RETURN ITEM

Name	Type	Null
ID	Int64	☒
UNIQUE_ITEM_ID	Int64	☒
STOCK_TYPE_ID	Int32	☒
QTY	Int32	☒

LIST_PRICEEX	Decimal	☒
IS_TAXABLE	Boolean	☒
EXTENDED _PRICEEX	Decimal	☒

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)	☒
BRANCH_IDENTIFIER	String (3)	☒
REFERENCE	String (100)	☑
RETURN_DATE	Date *yyyy-MM-dd* : <Current Date>	☑
COMMENTS	String (4000)	☑
CREDITNOTE_NO	String (20)	☑
CREDIT_ENT_DATE	Date *yyyy-MM-dd*	☑
CREDIT_DATE	Date *yyyy-MM-dd*	☑
OTHERITEM_DETAILS	String (200)	☑
OTHERITEM_IS_GST	Boolean : false	☑
OTHERITEM_AMOUNTEX	Decimal : 0	☑
FREIGHT_IS_GST	Boolean : false	☑
FREIGHT_EXGST	Decimal : 0	☑
RETURN_TYPE_ID	Int32	☒
ITEMS	Collection (Inventory Return Item)	☒

ITEMS

Name	Type : Default	Null
ID	Int64	☒
STOCK_TYPE_ID	Int32	☒
QTY	Int32	☒
LIST_PRICEEX	Decimal : <Item List Price>	☑

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	☒
DATE_ADDED	DateTimeOffset *yyyy-MM-ddTHH:mm:ssfffzzz*	☒
USER_ADDED	String (20)	☒
DATE_EDITED	DateTimeOffset *yyyy-MM-ddTHH:mm:ssfffzzz*	☑
USER_EDITED	String (20)	☑
TRANSFER_DATE	Date *yyyy-MM-dd*	☒
FROM_BRANCH_IDENTIFIER	String (3)	☒
TO_BRANCH_IDENTIFIER	String (3)	☒
USER_IDENTIFIER	String (3)	☑
COMMENT	String (100)	☑
IS_RECEIVED	Boolean	☒
RECEIVED_USER_IDENTIFIER	String (3)	☑
RECEIVED_DATE	Date *yyyy-MM-dd*	☑
TRANSFER_REASON	String (100)	☑
INVOICE_ID	Int64	☑
ITEMS	Collection (Inventory Transfer Item)	☒

INVENTORY TRANSFER ITEM

Name	Type	Null
ID	Int64	☒
ITEM_BARCODE	String (20)	☒
DESCRIPTION	String (100)	☒
QTY	Int32	☒
COSTEXTAX	Decimal	☒
COLOUR_DESCRIPTION	String (50)	☑
STOCK_TYPE_ID	Int32	☒

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	☒
DATE_ADDED	DateTimeOffset *yyyy-MM-ddTHH:mm:ssfffzzz*	☒
USER_ADDED	String (20)	☒
DATE_EDITED	DateTimeOffset *yyyy-MM-ddTHH:mm:ssfffzzz*	☑
USER_EDITED	String (20)	☑
BRANCH_IDENTIFIER	String (3)	☒
COMMENT	String (100)	☑
WRITEOFF_DATE	Date *yyyy-MM-dd*	☒
WRITEOFF_REASON	String (100)	☑
USER_IDENTIFIER	String (3)	☑
ITEMS	Collection (Inventory WriteOff Item)	☒

INVENTORY WRITEOFF ITEM

Name	Type	Null
ID	Int64	☒
DESCRIPTION	String (100)	☒
COSTEXTAX	Decimal	☒
ITEM_BARCODE	String (20)	☒
STOCK_TYPE_ID	Int32	☒
QTY	Int32	☒

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	☒
IDENTIFIER	String (20)	☒
NAME	String (100)	☒
IS_CONSULTATION	Boolean	☒
IS_GST	Boolean	☒

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	☒
NAME	String (200)	☒

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	☒
IDENTIFIER	String (20)	☒
DESCRIPTION	String (200)	☒
DEFAULT_DURATION	Int32	☒

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	☒
IDENTIFIER	String (20)	☒
DATE_ADDED	DateTimeOffset *yyyy-MM-ddTHH:mm:ss.fffzzz*	☒
DATE_EDITED	DateTimeOffset *yyyy-MM-ddTHH:mm:ss.fffzzz*	☑
BRANCH_ IDENTIFIER	String (20)	☒
GIVEN_NAME	String (100)	☒
SURNAME	String (200)	☒
INACTIVE	Boolean	☒
IS_ADMINISTRATOR	Boolean	☒
USE_APPBOOK	Boolean	☒
PROVIDER_NO	String (30)	☑
IS_ROAMING_USER	Boolean	☒
APP_SETUPS	Collection (Appointment Setup)	☑
APP_ADJUSTS	Collection (Appointment Adjustment)	☑
APP_TYPE_DURATIONS	Collection (Appointment Type Duration)	☑

APPOINTMENT SCHEDULE SETUP

Name	Type	Null
ID	Int64	☒
DATE_ADDED	DateTimeOffset *yyyy-MM-ddTHH:mm:ss.fffzzz*	☒
DATE_EDITED	DateTimeOffset *yyyy-MM-ddTHH:mm:ss.fffzzz*	☑
BRANCH_IDENTIFIER	String (20)	☒
DEFAULT_DURATION	Int64	☒
MONSTART	TimeOfDay *hh:mm tt*	☑
MONFIN	TimeOfDay *hh:mm tt*	☑
TUESTART	TimeOfDay *(hh:mm tt)*	☑
TUEFIN	TimeOfDay *(hh:mm tt)*	☑
WEDSTART	TimeOfDay *(hh:mm tt)*	☑
WEDFIN	TimeOfDay *(hh:mm tt)*	☑
THRSTART	TimeOfDay *(hh:mm tt)*	☑
THRFIN	TimeOfDay *(hh:mm tt)*	☑
FRISTART	TimeOfDay *(hh:mm tt)*	☑
FRIFIN	TimeOfDay *(hh:mm tt)*	☑
SATSTART	TimeOfDay *(hh:mm tt)*	☑
SATFIN	TimeOfDay *(hh:mm tt)*	☑
SUNFIN	TimeOfDay *(hh:mm tt)*	☑
MONACTIVE	Boolean	☒
TUEACTIVE	Boolean	☒
WEDACTIVE	Boolean	☒
THRACTIVE	Boolean	☒
FRIACTIVE	Boolean	☒
SATACTIVE	Boolean	☒
SUNACTIVE	Boolean	☒
DEFAULT_APP_TYPE	String (3)	☑

APPOINTMENT SCHEDULE ADJUSTMENT

Name	Type	Null
ID	Int64	☒
DATE_ADDED	DateTimeOffset *(yyyy-MM-ddTHH:mm:ss.fffzzz)*	☒
DATE_EDITED	DateTimeOffset *(yyyy-MM-ddTHH:mm:ss.fffzzz)*	☑
ADJUST_DATE	DateTimeOffset *(yyyy-MM-ddTHH:mm:ss.fffzzz)*	☒
BRANCH_IDENTIFIER	String (20)	☒
ADJUST_START	TimeOfDay *(hh:mm tt)*	☒
ADJUST_FINISH	TimeOfDay *(hh:mm tt)*	☒
INACTIVE	Boolean	☒

APPOINTMENT TYPE DURATION

Name	Type	Null
ID	Int64	☒
DEFAULT_DURATION	Int64	☒
BRANCH_IDENTIFIER	String (20)	☒
APPOINTMENT_TYPE_ID	Int32	☒

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)	☒

APPOINTMENT SCHEDULE SETUP

Name	Type : Default	Null
BRANCH_IDENTIFIER	String (20)	☒
DEFAULT_DURATION	Int64 *{0, 5, 10, 15, 20, 30, 60}* : 0 (Not set)	☑
MONSTART	TimeOfDay *hh:mm tt* : "12:00 AM"	☑
MONFIN	TimeOfDay *hh:mm tt* : "12:00 AM"	☑
TUESTART	TimeOfDay *hh:mm tt* : "12:00 AM"	☑
TUEFIN	TimeOfDay *hh:mm tt* : "12:00 AM"	☑
WEDSTART	TimeOfDay *hh:mm tt* : "12:00 AM"	☑
WEDFIN	TimeOfDay *hh:mm tt* : "12:00 AM"	☑
THRSTART	TimeOfDay *hh:mm tt* : "12:00 AM"	☑

THRFIN	TimeOfDay *hh:mm tt* : "12:00 AM"	☑
FRISTART	TimeOfDay *hh:mm tt* : "12:00 AM"	☑
FRIFIN	TimeOfDay *hh:mm tt* : "12:00 AM"	☑
SATSTART	TimeOfDay *hh:mm tt* : "12:00 AM"	☑
SATFIN	TimeOfDay *hh:mm tt* : "12:00 AM"	☑
SUNFIN	TimeOfDay *hh:mm tt* : "12:00 AM"	☑
MONACTIVE	Boolean : false	☒
TUEACTIVE	Boolean : false	☒
WEDACTIVE	Boolean : false	☒
THRACTIVE	Boolean : false	☒
FRIACTIVE	Boolean : false	☒
SATACTIVE	Boolean : false	☒
SUNACTIVE	Boolean : false	☒
DEFAULT_APP_TYPE	String (3) : "" (Not set)	☑

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)	☒

APPOINTMENT SCHEDULE ADJUSTMENT

Name	Type : Default	Null
ADJUST_DATE	Date *yyyy-MM-dd*	☒
BRANCH_IDENTIFIER	String (20)	☒
ADJUST_START	TimeOfDay *hh:mm tt*	☒
ADJUST_FINISH	TimeOfDay *hh:mm tt*	☒
INACTIVE	Boolean : false	☒

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	☒
REASON	String (100)	☒

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	☒
DATE_ADDED	DateTimeOffset *yyyy-MM-ddTHH:mm:ss.fffzzz*	☒
USER_ADDED	String (20)	☒
DATE_EDITED	DateTimeOffset *yyyy-MM-ddTHH:mm:ss.fffzzz*	☑
USER_EDITED	String (20)	☑
BARCODE	String (20)	☒
HEALTH_FUND	String (5)	☑
DESCRIPTION	String (100)	☒
SUPPLIER_STOCK_CODE	String (50)	☑
IS_GST	Boolean	☒
CATEGORY_IDENTIFIER	String (20)	☒
SUPPLIER_IDENTIFIER	String (20)	☒
INSTITUTION_IDENTIFIER	String (20)	☑
IS_VTE	Boolean	☒
EYETALK_PERMID	String (20)	☑
EYETALK_BOOKCODE	String (20)	☑
NOTES	String (4000)	☑
IS_GIFT_VOUCHER	Boolean	☒
WEB_ADDRESS	String (4000)	☑
BRANCH_INFOS	Collection (Other Item Branch)	☒

OTHER ITEM BRANCH

Name	Type	Null
ID	Int64	☒
BRANCH_IDENTIFIER	String (20)	☒
COSTINC	Decimal	☒
COSTEX	Decimal	☒
SELLINC	Decimal	☒
MEMBER_SELLINC	Decimal	☒
LISTPRICEEX	Decimal	☒
RRPINC	Decimal	☒
QOH	Int64	☒
REORDER_LEVEL	Int64	☒
REORDER_QUANTITY	Int64	☒
CONSIGNMENT	Boolean	☒
INVENTORY	Boolean	☒
INACTIVE	Boolean	☒
FAVOURITE	Boolean	☒

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)	☒
HEALTH_FUND	String (5)	☑
DESCRIPTION	String (100)	☒
SUPPLIER_STOCK_CODE	String (50)	☑
IS_GST	Boolean : false	☑
CATEGORY_IDENTIFIER	String (20)	☒
SUPPLIER_IDENTIFIER	String (20)	☒
INSTITUTION_IDENTIFIER	String (20)	☑
IS_VTE	Boolean	☑
EYETALK_PERMID	String (20)	☑
EYETALK_BOOKCODE	String (20)	☑
NOTES	String (4000)	☑
IS_GIFT_VOUCHER	Boolean	☑
WEB_ADDRESS	String (4000)	☑
BRANCH_INFO	Other Item Branch	☑

OTHER ITEM BRANCH

Name	Type : Default	Null

COSTINC	Decimal : 0	☑
COSTEX	Decimal : 0	☑
SELLINC	Decimal : 0	☑
LISTPRICEEX	Decimal : 0	☑
RRPINC	Decimal : 0	☑
QOH	Int64 : 0	☑
REORDER_LEVEL	Int64 : 0	☑
REORDER_QUANTITY	Int64 : 0	☑
CONSIGNMENT	Boolean : false	☑
INVENTORY	Boolean : false	☑
INACTIVE	Boolean : false	☑
FAVOURITE	Boolean : false	☑

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)	☑
DESCRIPTION	String (100)	☒
SUPPLIER_STOCK_CODE	String (50)	☑
IS_GIFT_VOUCHER	Boolean : false	☑
IS_GST	Boolean : false	☑
IS_VTE	Boolean : false	☑
CATEGORY_IDENTIFIER	String (20)	☒
SUPPLIER_IDENTIFIER	String (20)	☒
INSTITUTION_IDENTIFIER	String (20)	☑
EYETALK_PERMID	String (20)	☑
EYETALK_BOOKCODE	String (20)	☑
NOTES	String (4000)	☑
BRANCH_INFO	Other Item Branch	☑

OTHER ITEM BRANCH

Name	Type : Default	Null
BRANCH_IDENTIFIER	String (20)	☑
COSTINC	Decimal : 0	☑
COSTEX	Decimal : 0	☑
SELLINC	Decimal : 0	☑
LISTPRICEEX	Decimal : 0	☑
RRPINC	Decimal : 0	☑
QOH	Int64 : 0	☑
CONSIGNMENT	Boolean : false	☑
INVENTORY	Boolean : false	☑
INACTIVE	Boolean : false	☑
FAVOURITE	Boolean : false	☑

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	☒
DATE_ADDED	DateTimeOffset *yyyy-MM-ddTHH:mm:ss.fffzzz*	☒
USER_ADDED	String (20)	☒
DATE_EDITED	DateTimeOffset *yyyy-MM-ddTHH:mm:ss.fffzzz*	☑
USER_EDITED	String (20)	☑
PATIENT_ID	Int64	☒
PATIENT_CATEGORY_ID	Int64	☒

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	☒
PATIENT_CATEGORY_ID	Int64	☒

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	☒
IDENTIFIER	String (20)	☒
NAME	String (4000)	☒

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	☒
DATE_ADDED	DateTimeOffset *yyyy-MM-ddTHH:mm:ss.fffzzz*	☒
USER_ADDED	String (20)	☒
DATE_EDITED	DateTimeOffset *yyyy-MM-ddTHH:mm:ss.fffzzz*	☑
USER_EDITED	String (20)	☑
PATIENT_ID	Int64	☒
INTEREST_NAME	String (200)	☒

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	☒
INTEREST_NAME	String (200)	☒

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	☒
DATE_ADDED	DateTimeOffset *yyyy-MM-ddTHH:mm:ss.fffzzz*	☒
USER_ADDED	String (20)	☒
DATE_EDITED	DateTimeOffset *yyyy-MM-ddTHH:mm:ss.fffzzz*	☑
USER_EDITED	String (20)	☑
TYPE	Int32	☒
SALE_DATE	DateTimeOffset *yyyy-MM-ddTHH:mm:ss.zzz*	☑
NET_TOTAL	Decimal	☒
SALES_TAX	Decimal	☒
DISCOUNT	Decimal	☒
DISCOUNT_ID	Int64	☑
DISCOUNT_REASON	String (100)	☑
SUB_TOTAL	Decimal	☒
TOTAL	Decimal	☒
CONS_CHARGED	Decimal	☒
CONS_PAID	Decimal	☒
STOCK_CHARGED	Decimal	☒

STOCK_PAID	Decimal	☒
COMMENT	String (100)	☑
ORDER_ID	Int64	☑
ORDER_TYPE	Int64	☑
GST_RATE	Double	☒
PATIENT_ID	Int64	☒
BRANCH_IDENTIFIER	String (20)	☒
OPTOMETRIST_ID	Int64	☒
EXPORTED	Boolean	☒
ORIG_EXAM_DATE	DateTimeOffset *yyyy-MM-ddTHH:mm:ss.zzz*	☑
ITEMS	Collection (Patient Invoice Item)	☒

PATIENT INVOICE ITEM

Name	Type	Null
ID	Int64	☒
STOCK_TYPE_ID	Int32	☒
SUPPLIER_ID	Int64	☑
COSTEX	Int32	☑
COSTINC	Int32	☑
QTY	Int32	☒
UNIT_PRICE	Decimal	☒
DISCOUNT_PERCENT	Double	☒
DISCOUNT_AMOUNT	Decimal	☒
TOTAL	Decimal	☒
IS_GST	Boolean	☒
GST_AMOUNT	Decimal	☒
CHARGE_TO	String (20)	☑
REBATE	Decimal	☒

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	☒

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	☒
DATE_ADDED	DateTimeOffset *yyyy-MM-ddTHH:mm:ss.fffzzz*	☒
USER_ADDED	String (20)	☒
DATE_EDITED	DateTimeOffset *yyyy-MM-ddTHH:mm:ss.fffzzz*	☑
USER_EDITED	String (20)	☑
PATIENT_ID	Int64	☒
BRANCH_IDENTIFIER	String (20)	☒
NOTE_DATE	Date *yyyy-MM-dd*	☒
DESCRIPTION	String (4000)	☑
NOTE	String (4000)	☑

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	☒
BRANCH_IDENTIFIER	String (20)	☒
NOTE_DATE	Date : Today *yyyy-MM-dd*	☑
DESCRIPTION	String (4000)	☑
NOTE	String (4000)	☑

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	☒
DATE_ADDED	DateTimeOffset *yyyy-MM-ddTHH:mm:ss.fffzzz*	☒
USER_ADDED	String (20)	☒
DATE_EDITED	DateTimeOffset *yyyy-MM-ddTHH:mm:ss.fffzzz*	☑
USER_EDITED	String (20)	☑
DATE_DUE	DateTimeOffset *yyyy-MM-ddTHH:mm:ss.zzz*	☑
PATIENT_ID	Int64	☒
RECALL_TYPE	String (10)	☒
SUB_RECALL_ID	Int64	☑
RECALL_COMMENT	String (50)	☑
IDENTIFIER	String (20)	☒
DESCRIPTION	String (200)	☒
NO_MONTHS	Int32	☒
EMAIL_SUBJECT	String (200)	☑
BRANCH_IDENTIFIER	String (20)	☑

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 *yyyy-MM-dd* : <Current Day>	☑

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	☒
DATE_ADDED	DateTimeOffset *yyyy-MM-ddTHH:mm:ss.fffzzz*	☒
USER_ADDED	String (20)	☒
DATE_EDITED	DateTimeOffset *yyyy-MM-ddTHH:mm:ss.fffzzz*	☒
USER_EDITED	String (20)	☒
DATE_SENT	DateTimeOffset *yyyy-MM-ddTHH:mm:ss.zzz*	☒
SENT_VIA	String (20)	☒
DATE_RUN	DateTimeOffset *yyyy-MM-ddTHH:mm:ss.zzz*	☒
PATIENT_ID	Int64	☒
RECALL_TYPE	String (10)	☒

SUB_RECALL_ID	Int64	☑
RECALL_COMMENT	String (50)	☑
IDENTIFIER	String (20)	☒
DESCRIPTION	String (200)	☒
NO_MONTHS	Int32	☒
BRANCH_IDENTIFIER	String (20)	☑

PUT PatientRecall(ID)

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

Input

Name	Type	Null
DATE_SENT	Date *yyyy-MM-dd*	☒
SENT_VIA	String (20)	☒
DATE_RUN	Date *yyyy-MM-dd*	☒

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)	☒

PATIENT RECALL INPUT

Name	Type	Null
ID	Int64	☒
DATE_SENT	Date *yyyy-MM-dd*	☒
SENT_VIA	String (20)	☒
DATE_RUN	Date *yyyy-MM-dd*	☒

Output

Batch Result

Name	Type	Null
SUCCESS	Boolean	☒
FAILED	Int32	☒
ERRORS	Collection (Custom Errors {ID, Code, Message})	☑

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	☒
DATE_ADDED	DateTimeOffset *yyyy-MM-ddTHH:mm:ss.fffzzz*	☒
DATE_EDITED	DateTimeOffset *yyyy-MM-ddTHH:mm:ss.fffzzz*	☑
PAID	Decimal	☒
TYPE_ID	Int64 *{ ReceiptTypes }*	☒
DUE	Decimal	☒
PATIENT_ID	Int64	☒
RECEIPT_DATE	DateTimeOffset *yyyy-MM-ddTHH:mm:ss.zzz*	☒
REFERENCE	String (30)	☑
USER_ID	Int64	☒
BRANCH_IDENTIFIER	String (20)	☒
RECEIPT_ITEMS	Collection (Receipt Item)	☒
INVOICE_RECEIPTS	Collection (Invoice Receipt)	☒

RECEIPT ITEM

Name	Type	Null
ID	Int64	☒
PAYMENT_TYPE_CODE	String (3) *{ PaymentTypes }*	☒
AMOUNT	Decimal	☒
CASHOUT	Decimal	☒
VOUCHER_TYPE_ID	Int64 *{ VoucherTypes }*	☑

INVOICE RECEIPT

Name	Type	Null
ID	Int64	☒
INVOICE_DATE	DateTimeOffset *yyyy-MM-ddTHH:mm:ss.zzz*	☒
INVOICE_ID	Int64	☒
CONS_DUE	Decimal	☒
CONS_PAID	Decimal	☒
STOCK_DUE	Decimal	☒
STOCK_PAID	Decimal	☒

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	☒
DATE_ADDED	DateTimeOffset *yyyy-MM-ddTHH:mm:ss.fffzzz*	☒
USER_ADDED	String (20)	☒
DATE_EDITED	DateTimeOffset *yyyy-MM-ddTHH:mm:ss.fffzzz*	☑
USER_EDITED	String (20)	☑
REFERENCE	String (40)	☑
TITLE	String (50)	☑
GIVEN	String (50)	☑
MIDDLE	String (50)	☑
SURNAME	String (50)	☒
SALUTATION	String (50)	☑
NICKNAME	String (50)	☑
BIRTHDATE	DateTimeOffset *yyyy-MM-ddTHH:mm:ss.zzz*	☑
GENDER	String (1)	☑
CHARGE_TO_NAME	String (200)	☑
CHARGE_TO_SALUTATION	String (100)	☑
CHARGE_TO _ADDRESS	String (200)	☑
CHARGE_TO _SUBURB	String (50)	☑
CHARGE_TO _STATE	String (100)	☑
CHARGE_TO _POSTCODE	String (10)	☑
HEARAID_GUID	String (36)	☑
RESIDENT_ADDRESS	String (200)	☑
RESIDENT_SUBURB	String (50)	☑
RESIDENT_STATE	String (100)	☑
RESIDENT_POSTCODE	String (10)	☑
POSTAL_ADDRESS	String (200)	☑
POSTAL_SUBURB	String (50)	☑
POSTAL_STATE	String (100)	☑
POSTAL_POSTCODE	String (10)	☑
HOME_PHONE	String (25)	☑
MOBILE_PHONE	String (25)	☑
OFFICE_PHONE	String (25)	☑
EMAIL	String (100)	☑
LAST_INITIAL	DateTimeOffset *yyyy-MM-ddTHH:mm:ss.zzz*	☑
LAST_CONSULTATION	DateTimeOffset *yyyy-MM-ddTHH:mm:ss.zzz*	☑
LAST_VISIT	DateTimeOffset *yyyy-MM-ddTHH:mm:ss.zzz*	☑
OPTOMETRIST_ID	Int64	☒
BRANCH_IDENTIFIER	String (20)	☒
HEALTHFUND_IDENTIFIER	String (20)	☑

MEMBER_NUMBER	String (50)	☑
HEALTHFUND_REFNO	Double	☑
NO_HEALTHFUND	Boolean	☑
MEDICARE_NUMBER	String (12)	☑
MEDICARE_REFNO	Double	☑
MEDICARE_EXPIRY	String (5)	☑
DVA_NUMBER	String (15)	☑
DVA_DETAILS	String (20)	☑
INACTIVE	Boolean	☒
PREF_RECALLINT	String (20)	☒
PREF_RECALLSUB	String (20)	☒
PREF_ORDERCOLL	String (20)	☒
PREF_APPOINTMENTS	String (20)	☒
PREF_MARKETING	String (20)	☒
PREF_TELEPHONE	String (20)	☒
IS_BADADDRESS	Boolean	☑
IS_BADEMAIL	Boolean	☑
IS_BADPHONE	Boolean	☑
NOEMAIL	Boolean	☑
GENERAL_NOTES	String (4000)	☑
MAIN_CONTACT	Boolean	☑
SOURCE	String (200)	☑
PATIENT_SINCE	DateTimeOffset *yyyy-MM-ddTHH:mm:ss.zzz*	☑
SPECIAL_NOTE	String (4000)	☑
APPOINTMENT_NOTE	String (100)	☑
NOMOBILE	Boolean	☑
OCCUPATION	String (4000)	☑
GROUP_NUMBER	Int64	☑
NATIONALITY	String (200)	☑
GP	String (200)	☑
REFERRER_FROM	String (200)	☑
REFERRER_TO	String (200)	☑
IS_ADVISED_OF_PRIVACY_POLICY	Boolean	☑
ADVISED_OF_PRIVACY_POLICY_ USER	String (20)	☑
ADVISED_OF_PRIVACY_POLICY_ DATETIME	DateTimeOffset *yyyy-MM-ddTHH:mm:ss.zzz*	☑
LAST_KEEPSIGHT_SENT_DATE	DateTimeOffset *yyyy-MM-ddTHH:mm:ss.zzz*	☑
NHI_NUMBER	String (20)	☑

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)	☑

Searchable Properties

Name	Type	Null
GIVEN	String (50)	☑
SURNAME	String (50)	☑
NICKNAME	String (50)	☑
BIRTHDATE	Date *yyyy-MM-dd*	☑
MOBILE_PHONE	String (25)	☑
EMAIL	String (100)	☑
MEMBER_NUMBER	String (50)	☑
HEALTHFUND_IDENTIFIER	String (20)	☑
HEALTHFUND_REFNO	Double	☑
MEDICARE_NUMBER	String (12)	☑
MEDICARE_REFNO	Double	☑
DVA_NUMBER	String (15)	☑
SOURCE	String (200)	☑
REFERENCE	String (40)	☑
NHI_NUMBER	String (20)	☑

Output

A Collection of Patient records.

POST Patient

Creates a Patient in Optomate Touch.

Input

Name	Type : default	Null
REFERENCE	String (40)	☑
TITLE	String (50)	☑
GIVEN	String (50)	☑
MIDDLE	String (50)	☑
SURNAME	String (50)	☒
SALUTATION	String (50)	☑
NICKNAME	String (50)	☑
BIRTHDATE	Date *yyyy-MM-dd*	☑
GENDER	String (1)	☑
CHARGE_TO_NAME	String (200)	☑
CHARGE_TO_SALUTATION	String (100)	☑
CHARGE_TO _ADDRESS	String (200)	☑
CHARGE_TO _SUBURB	String (50)	☑
CHARGE_TO _STATE	String (100)	☑

CHARGE_TO _POSTCODE	String (10)	☑
HEARAID_GUID	String (36)	☑
RESIDENT_ADDRESS	String (200)	☑
RESIDENT_SUBURB	String (50)	☑
RESIDENT_STATE	String (100)	☑
RESIDENT_POSTCODE	String (10)	☑
POSTAL_ADDRESS	String (200)	☑
POSTAL_SUBURB	String (50)	☑
POSTAL_STATE	String (100)	☑
POSTAL_POSTCODE	String (10)	☑
HOME_PHONE	String (15)	☑
MOBILE_PHONE	String (12)	☑
OFFICE_PHONE	String (15)	☑
EMAIL	String (100)	☑
OPTOMETRIST_ID	Int64	☒
BRANCH_IDENTIFIER	String (20)	☒
HEALTHFUND_IDENTIFIER	String (20)	☑
MEMBER_NUMBER	String (50)	☑
HEALTHFUND_REFNO	Double	☑
NO_HEALTHFUND	Boolean	☑
MEDICARE_NUMBER	String (12)	☑
MEDICARE_REFNO	Double	☑
MEDICARE_EXPIRY	Date *MM/yy*	☑
DVA_NUMBER	String (15)	☑
DVA_DETAILS	String (20)	☑
INACTIVE	Boolean : false	☑
PREF_RECALLINT	String (20)	☑
PREF_RECALLSUB	String (20)	☑
PREF_ORDERCOLL	String (20)	☑
PREF_APPOINTMENTS	String (20)	☑
PREF_MARKETING	String (20)	☑
PREF_TELEPHONE	String (20)	☑
IS_BADADDRESS	Boolean	☑
IS_BADEMAIL	Boolean	☑
IS_BADPHONE	Boolean	☑
NOEMAIL	Boolean	☑
GENERAL_NOTES	String (4000)	☑
MAIN_CONTACT	Boolean	☑
SOURCE	String (200)	☑
SPECIAL_NOTE	String (4000)	☑
APPOINTMENT_NOTE	String (100)	☑
NOMOBILE	Boolean	☑
OCCUPATION	String (4000)	☑
IS_ADVISED_OF_PRIVACY_POLICY	Boolean	☑
ADVISED_OF_PRIVACY_POLICY_USER	String (20)	☑
ADVISED_OF_PRIVACY_POLICY_DATETIME	Date *yyyy-MM-dd*	☑
NHI_NUMBER	String (20)	☑

PUT Patient(ID)

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

Input

Name	Type : false	Null
REFERENCE	String (40)	☑
TITLE	String (50)	☑
GIVEN	String (50)	☑
MIDDLE	String (50)	☑
SURNAME	String (50)	☒
SALUTATION	String (50)	☑
NICKNAME	String (50)	☑
BIRTHDATE	Date *yyyy-MM-dd*	☑
GENDER	String (1)	☑
CHARGE_TO_NAME	String (200)	☑
CHARGE_TO_SALUTATION	String (100)	☑
CHARGE_TO _ADDRESS	String (200)	☑
CHARGE_TO _SUBURB	String (50)	☑
CHARGE_TO _STATE	String (100)	☑
CHARGE_TO _POSTCODE	String (10)	☑
HEARAID_GUID	String (36)	☑
RESIDENT_ADDRESS	String (200)	☑
RESIDENT_SUBURB	String (50)	☑
RESIDENT_STATE	String (100)	☑
RESIDENT_POSTCODE	String (10)	☑
POSTAL_ADDRESS	String (200)	☑
POSTAL_SUBURB	String (50)	☑
POSTAL_STATE	String (100)	☑
POSTAL_POSTCODE	String (10)	☑
HOME_PHONE	String (15)	☑
MOBILE_PHONE	String (12)	☑
OFFICE_PHONE	String (15)	☑
EMAIL	String (100)	☑
OPTOMETRIST_ID	Int64	☒
BRANCH_IDENTIFIER	String (20)	☒
HEALTHFUND_IDENTIFIER	String (20)	☑
MEMBER_NUMBER	String (50)	☑
HEALTHFUND_REFNO	Double	☑
NO_HEALTHFUND	Boolean	☑
MEDICARE_NUMBER	String (12)	☑
MEDICARE_REFNO	Double	☑
MEDICARE_EXPIRY	Date *MM/yy*	☑
DVA_NUMBER	String (15)	☑
DVA_DETAILS	String (20)	☑
INACTIVE	Boolean : false	☑
PREF_RECALLINT	String (20)	☑
PREF_RECALLSUB	String (20)	☑
PREF_ORDERCOLL	String (20)	☑
PREF_APPOINTMENTS	String (20)	☑
PREF_MARKETING	String (20)	☑
PREF_TELEPHONE	String (20)	☑
IS_BADADDRESS	Boolean	☑
IS_BADEMAIL	Boolean	☑
IS_BADPHONE	Boolean	☑
NOEMAIL	Boolean	☑
GENERAL_NOTES	String (4000)	☑
MAIN_CONTACT	Boolean	☑
SOURCE	String (200)	☑
SPECIAL_NOTE	String (4000)	☑

APPOINTMENT_NOTE	String (100)	☑
NOMOBILE	Boolean	☑
OCCUPATION	String (4000)	☑
NHI_NUMBER	String (20)	☑

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: - there is an outstanding balance - there are outstanding spectacle orders - there are outstanding contact orders - there are outstanding repairs - is a main contact for a family group - there are future appointments

PURCHASE ORDERS

GET PurchaseOrders(ID)

Gets a single Purchase Order based on the specified ID.

Output

Purchase Order record.

Name	Type	Null
ID	Int64	☒
DATE_ADDED	DateTimeOffset *yyyy-MM-ddTHH:mm:ss.fffzzz*	☒
USER_ADDED	String (20)	☒
DATE_EDITED	DateTimeOffset *yyyy-MM-ddTHH:mm:ss.fffzzz*	☑
USER_EDITED	String (20)	☑
IDENTIFIER	String (20)	☒
REFERENCE	String (100)	☑
SUPPLIER_IDENTIFIER	String (20)	☒
BRANCH_IDENTIFIER	String (20)	☒
NAME_INVOICE	String (100)	☑
ADDRESS_INVOICE	String (200)	☑
SUBURB_INVOICE	String (50)	☑
STATE_INVOICE	String (100)	☑
POSTCODE_INVOICE	String (10)	☑
ABN_INVOICE	String (15)	☑
NAME_DELIVERY	String (100)	☑

ADDRESS_DELIVERY	String (200)	☑
SUBURB_DELIVERY	String (50)	☑
STATE_DELIVERY	String (100)	☑
POSTCODE_DELIVERY	String (10)	☑
ABN_DELIVERY	String (15)	☑
PURCHASE_DATE	DateTimeOffset *yyyy-MM-ddTHH:mm:ss.zzz*	☑
ORDERED_DATE	DateTimeOffset *yyyy-MM-ddTHH:mm:ss.zzz*	☑
COMMENTS	String (4000)	☑
PURCHASE_ORDER_STATUS	String (1)	☒
TOTAL	Decimal	☒
SPECTACLE_LENS_ORDER_ID	Int64	☑
ITEMS	Collection (Purchase Order Item)	☒

PURCHASE ORDER ITEM

Name	Type	Null
ID	Int64	☒
STOCK_ITEM_ID	Int64	☒
STOCK_TYPE_ID	Int32	☒
QTY	Int32	☒
DATE_REQUIRED	DateTimeOffset *yyyy-MM-ddTHH:mm:ss.zzz*	☑
ITEM_COMMENT	String (100)	☑
DISCOUNT_PERCENT	Double	☒
LIST_PRICEEX	Decimal	☒
EXTENDED _PRICEEX	Decimal	☒

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>	☑
REFERENCE	String (100)	☑
SUPPLIER_IDENTIFIER	String (20)	☒
BRANCH_IDENTIFIER	String (20)	☒
NAME_INVOICE	String (100)	☑
ADDRESS_INVOICE	String (200)	☑
SUBURB_INVOICE	String (50)	☑
STATE_INVOICE	String (100)	☑
POSTCODE_INVOICE	String (10)	☑
ABN_INVOICE	String (15)	☑
NAME_DELIVERY	String (100)	☑
ADDRESS_DELIVERY	String (200)	☑
SUBURB_DELIVERY	String (50)	☑
STATE_DELIVERY	String (100)	☑
POSTCODE_DELIVERY	String (10)	☑

PURCHASE_DATE	Date *yyyy-MM-dd* : <Current Date>	☑
ORDERED_DATE	Date *yyyy-MM-dd*	☑
PURCHASE_ORDER_STATUS	String (1) : "P"	☑
COMMENTS	String (4000)	☑
SPECTACLE_LENS_ORDER_ID	Int64	☑
ITEMS	Collection (Purchase Order Item)	☒

ITEMS

Name	Type : Default	Null
STOCK_ITEM_ID	Int64	☒
STOCK_TYPE_ID	Int32	☒
QTY	Int32	☒
DATE_REQUIRED	Date *yyyy-MM-dd*	☑
ITEM_COMMENT	String (100)	☑
DISCOUNT_PERCENT	Double : 0	☑
LIST_PRICEEX	Decimal : <Item List Price>	☑

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)	☑

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	☒
IDENTIFIER	String (20)	☒
DESCRIPTION	String (4000)	☒
NO_MONTHS	Int32	☒

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 *yyyy-MM-dd*	☑
dateTo	Date *yyyy-MM-dd*	☑

Output

Name	Type	Null
PAYMENT_TYPE	String (3) *Ref Code PaymentTypes*	☒
COUNT	Int32	☒
AMOUNT_INC_GST	Decimal	☒
AMOUNT_EX_GST	Decimal	☒

REGIONS

GET Regions(ID)

Gets a single Region based on the specified ID.

Output

Region record.

Name	Type	Null
ID	Int64	☒
IDENTIFIER	String (10)	☒
DESCRIPTION	String (60)	☒

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 *yyyy-MM-dd*	☑
dateTo	Date *yyyy-MM-dd*	☑

Output

Name	Type	Null
STOCK_TYPE	Int32 *Ref Id StockTypes*	☒
QTY	Int32	☒
AMOUNT_INC_GST	Decimal	☒
AMOUNT_EX_GST	Decimal	☒

SMS TRANSACTIONS

GET SmsTransactions(ID)

Gets a single SMS Transaction based on the specified ID.

Output

SMS Transaction record.

Name	Type	Null
ID	Int64	☒
DATE_ADDED	DateTimeOffset *yyyy-MM-ddTHH:mm:ss.fffzzz*	☒
USER_ADDED	String (20)	☒
DATE_EDITED	DateTimeOffset *yyyy-MM-ddTHH:mm:ss.fffzzz*	☑
USER_EDITED	String (20)	☑
SMS_SENT_DATETIME	DateTimeOffset *yyyy-MM-ddTHH:mm:ss.fffzzz*	☒
SMS_TYPE_ID	Int64 *Ref Id SmsTypes*	☑
PATIENT_ID	Int64	☒
REP_ID	Int64	☑
ORDER_ID	Int64	☑
MOBILE_NUMBER	String (15)	☒
SMS_SENT_TEXT	String (4000)	☒
BRANCH_IDENTIFIER	String (20)	☒
SUCCESSFULLY_SENT	Boolean	☒
IS_VIEWED	Boolean	☒
DELIVERY_STATUS	String (20)	☑
FAILED_REASON	String (500)	☑
HAS_REPLIES	Boolean	☑

SUPPLIER_ID	Int64	☑
ITEMS	Collection (SMS Item)	☑

SMS ITEM

Name	Type	Null
ID	Int64	☒
SMS_RECEIVED_DATETIME	DateTimeOffset *yyyy-MM-ddTHH:mm:ss.fffzzz*	☒
SMS_RECEIVED_TEXT	String (4000)	☒
IS_VIEWED	Boolean	☒
RECEIPT_ID	Int64	☑
PATIENT_RESPONSE_DATE	DateTimeOffset *yyyy-MM-ddTHH:mm:ss.fffzzz*	☑

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	☒
DATE_ADDED	DateTimeOffset *yyyy-MM-ddTHH:mm:ss.fffzzz*	☒
USER_ADDED	String (20)	☒
DATE_EDITED	DateTimeOffset *yyyy-MM-ddTHH:mm:ss.fffzzz*	☑
USER_EDITED	String (20)	☑
BARCODE	String (20)	☒
HEALTH_FUND	String (5)	☑
DESCRIPTION	String (100)	☒
SUPPLIER_STOCK_CODE	String (50)	☑
WEB_ADDRESS	String (4000)	☑
IS_GST	Boolean	☒
CATEGORY_IDENTIFIER	String (20)	☒
SUPPLIER_IDENTIFIER	String (20)	☒
INSTITUTION_IDENTIFIER	String (20)	☑
EYETALK_PERMID	String (20)	☑
EYETALK_BOOKCODE	String (20)	☑
NOTES	String (4000)	☑
BRANCH_INFOS	Collection (Solution Branch)	☒

SOLUTION BRANCH

Name	Type	Null
ID	Int64	☒

BRANCH_IDENTIFIER	String (20)	☒
COSTINC	Decimal	☒
COSTEX	Decimal	☒
SELLINC	Decimal	☒
MEMBER_SELLINC	Decimal	☒
LISTPRICEEX	Decimal	☒
RRPINC	Decimal	☒
QOH	Int64	☒
REORDER_LEVEL	Int64	☒
REORDER_QUANTITY	Int64	☒
CONSIGNMENT	Boolean	☒
INVENTORY	Boolean	☒
INACTIVE	Boolean	☒
FAVOURITE	Boolean	☒

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)	☒
HEALTH_FUND	String (5)	☑
DESCRIPTION	String (100)	☒
SUPPLIER_STOCK_CODE	String (50)	☑
WEB_ADDRESS	String (4000)	☑
IS_GST	Boolean : False	☑
CATEGORY_IDENTIFIER	String (20)	☒
SUPPLIER_IDENTIFIER	String (20)	☒
INSTITUTION_IDENTIFIER	String (20)	☑
EYETALK_PERMID	String (20)	☑
EYETALK_BOOKCODE	String (20)	☑
NOTES	String (4000)	☑
BRANCH_INFO	Solution Branch	☑

SOLUTION BRANCH

Name	Type : Default	Null
COSTINC	Decimal : 0	☑
COSTEX	Decimal : 0	☑
SELLINC	Decimal : 0	☑
LISTPRICEEX	Decimal : 0	☑
RRPINC	Decimal : 0	☑
QOH	Int64 : 0	☑
REORDER_LEVEL	Int64 : 0	☑
REORDER_QUANTITY	Int64 : 0	☑

CONSIGNMENT	Boolean : false	☑
INVENTORY	Boolean : false	☑
INACTIVE	Boolean : false	☑
FAVOURITE	Boolean : false	☑

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)	☑
DESCRIPTION	String (100)	☒
SUPPLIER_STOCK_CODE	String (50)	☑
WEB_ADDRESS	String (4000)	☑
IS_GST	Boolean : False	☑
CATEGORY_IDENTIFIER	String (20)	☒
SUPPLIER_IDENTIFIER	String (20)	☒
INSTITUTION_IDENTIFIER	String (20)	☑
EYETALK_PERMID	String (20)	☑
EYETALK_BOOKCODE	String (20)	☑
NOTES	String (4000)	☑
BRANCH_INFO	Solution Branch	☑

SOLUTION BRANCH

Name	Type : Default	Null
BRANCH_IDENTIFIER	String (20)	☑
COSTINC	Decimal : 0	☑
COSTEX	Decimal : 0	☑
SELLINC	Decimal : 0	☑
LISTPRICEEX	Decimal : 0	☑
QOH	Int64 : 0	☑
RRPINC	Decimal : 0	☑
CONSIGNMENT	Boolean : false	☑
INVENTORY	Boolean : false	☑
INACTIVE	Boolean : false	☑
FAVOURITE	Boolean : false	☑

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	☒
NAME	String (200)	☒

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	☒
DATE_ADDED	DateTimeOffset *yyyy-MM-ddTHH:mm:ss.fffzzz*	☒
USER_ADDED	String (20)	☒
DATE_EDITED	DateTimeOffset *yyyy-MM-ddTHH:mm:ss.fffzzz*	☑
USER_EDITED	String (20)	☑
BARCODE	String (20)	☒
HEALTH_FUND	String (5)	☑
MODEL	String (20)	☑
COLOUR_CODE	String (15)	☑
COLOUR_DESCRIPTION	String (70)	☑
SIZE	Double	☒
DESCRIPTION	String (100)	☒
DEPTH	Double	☒
DIAG	Double	☒
TEMPLE	Double	☒
NOTES	String (4000)	☑

SUPPLIER_STOCK_CODE	String (50)	☑
WEB_ADDRESS	String (250)	☑
GENDER_CODE	String (1)	☒
STATUS	String (1)	☒
IS_GST	Boolean	☒
SERIALNUMBER	String (40)	☑
BRAND_IDENTIFIER	String (20)	☑
ACCOUNT_DESCRIPTION	String (100)	☑
MATERIAL_IDENTIFIER	String (20)	☑
CATEGORY_IDENTIFIER	String (20)	☒
SUPPLIER_IDENTIFIER	String (20)	☒
INSTITUTION_IDENTIFIER	String (20)	☑
CONSTRUCTION_IDENTIFIER	String (20)	☑
BRANCH_INFOS	Collection (Spectacle Frame Branch)	☒

SPECTACLE FRAME BRANCH

Name	Type	Null
ID	Int64	☒
BRANCH_IDENTIFIER	String (20)	☒
COSTINC	Decimal	☒
COSTEX	Decimal	☒
SELLINC	Decimal	☒
MEMBER_SELLINC	Decimal	☒
LISTPRICEEX	Decimal	☒
RRPINC	Decimal	☒
QOH	Int64	☒
REORDER_LEVEL	Int64	☒
REORDER_QUANTITY	Int64	☒
CONSIGNMENT	Boolean	☒
DISPLAY	Boolean	☒
INVENTORY	Boolean	☒
FAVOURITE	Boolean	☒

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)	☒
HEALTH_FUND	String (5)	☑
MODEL	String (20)	☑
COLOUR_CODE	String (15)	☑
COLOUR_DESCRIPTION	String (70)	☑
SIZE	Double : 0	☑

DESCRIPTION	String (100)	☒
DEPTH	Double : 0	☑
DIAG	Double : 0	☑
TEMPLE	Double : 0	☑
NOTES	String (4000)	☑
SUPPLIER_STOCK_CODE	String (50)	☑
WEB_ADDRESS	String (250)	☑
GENDER_CODE	String (1)	☒
STATUS	String (1)	☒
IS_GST	Boolean : false	☑
SERIALNUMBER	String (40)	☑
BRAND_IDENTIFIER	String (20)	☑
ACCOUNT_DESCRIPTION	String (100)	☑
MATERIAL_IDENTIFIER	String (20)	☑
CATEGORY_IDENTIFIER	String (20)	☒
SUPPLIER_IDENTIFIER	String (20)	☒
INSTITUTION_IDENTIFIER	String (20)	☑
CONSTRUCTION_IDENTIFIER	String (20)	☑
BRANCH_INFO	Spectacle Frame Branch	☑

SPECTACLE FRAME BRANCH

Name	Type : Default	Null
COSTINC	Double : 0	☑
COSTEX	Double : 0	☑
SELLINC	Double : 0	☑
LISTPRICEEX	Double : 0	☑
RRPINC	Double : 0	☑
QOH	Int64: 0	☑
REORDER_LEVEL	Int64 : 0	☑
REORDER_QUANTITY	Int64 : 0	☑
CONSIGNMENT	Boolean : false	☑
DISPLAY	Boolean : false	☑
INVENTORY	Boolean : false	☑
FAVOURITE	Boolean : false	☑

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)	☑
MODEL	String (20)	☑
COLOUR_CODE	String (15)	☑
COLOUR_DESCRIPTION	String (70)	☑

SIZE	Double : 0	☑
DESCRIPTION	String (100)	☒
DEPTH	Double : 0	☑
DIAG	Double : 0	☑
TEMPLE	Double : 0	☑
NOTES	String (4000)	☑
SUPPLIER_STOCK_CODE	String (50)	☑
WEB_ADDRESS	String (250)	☑
GENDER_CODE	String (1)	☒
STATUS	String (1)	☒
IS_GST	Boolean : false	☑
SERIALNUMBER	String (40)	☑
BRAND_IDENTIFIER	String (20)	☑
ACCOUNT_DESCRIPTION	String (100)	☑
MATERIAL_IDENTIFIER	String (20)	☑
CATEGORY_IDENTIFIER	String (20)	☒
SUPPLIER_IDENTIFIER	String (20)	☒
INSTITUTION_IDENTIFIER	String (20)	☑
CONSTRUCTION_IDENTIFIER	String (20)	☑
BRANCH_INFO	Spectacle Frame Branch	☑

SPECTACLE FRAME BRANCH

Name	Type : Default	Null
BRANCH_IDENTIFIER	String (20)	☑
COSTINC	Double : 0	☑
COSTEX	Double : 0	☑
SELLINC	Double : 0	☑
LISTPRICEEX	Double : 0	☑
RRPINC	Double : 0	☑
QOH	Int64: 0	☑
CONSIGNMENT	Boolean : false	☑
DISPLAY	Boolean : false	☑
INVENTORY	Boolean : false	☑
FAVOURITE	Boolean : false	☑

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	☒
DATE_ADDED	DateTimeOffset *yyyy-MM-ddTHH:mm:ss.fffzzz*	☒
USER_ADDED	String (20)	☒
DATE_EDITED	DateTimeOffset *yyyy-MM-ddTHH:mm:ss.fffzzz*	☑
USER_EDITED	String (20)	☑
BARCODE	String (20)	☒
SINGLE_HEALTH_FUND	String (5)	☑
MULTI_HEALTH_FUND	String (5)	☑
DESCRIPTION	String (100)	☒
ACCOUNT_DESCRIPTION	String (100)	☑
SUPPLIER_STOCK_CODE	String (50)	☑
WEB_ADDRESS	String (4000)	☑
IS_GST	Boolean	☒
STOCKGRIND	String (1)	☑
MATERIAL	String (1)	☑
REFACTIVE_INDEX	Double	☒
DIAMETER	Double	☒
BASE_CURVE	Double	☒
SEG_SIZE	Double	☒
POLARISED	Boolean	☒
TRANSITIONS	Boolean	☒
HIGHEST_SPH	Double	☒
LOWEST_SPH	Double	☒
MAX_CYL	Double	☒
NODAYSATLAB	Double	☒
LENSTYPE	String (1)	☑
CATEGORY_IDENTIFIER	String (20)	☒
SUPPLIER_IDENTIFIER	String (20)	☒
INSTITUTION_IDENTIFIER	String (20)	☑
NOTES	String (4000)	☑
WINLINX_CODE	String (20)	☑
WINLINX_ADD_CODE	String (20)	☑
OPTILINKCODE	String (20)	☑
OPTILINKGROUP	String (1)	☑
WINFITCODE	String (20)	☑
RXOFFICECODE	String (20)	☑
HOYACODE	String (20)	☑
HOYATINT	String (20)	☑
HOYACOAT	String (20)	☑
SHAMIRCODE	String (20)	☑
SWISSCOAT_LENSCODE	String (20)	☑
SWISSCOAT_TINTCODE	String (20)	☑
SWISSCOAT_COAT1CODE	String (20)	☑
SWISSCOAT_COAT2CODE	String (20)	☑

VISUSTORE_COMMERCIAL_CODE	String (20)	☑
CR_SURFACING_PRODUCTCODE	String (20)	☑
CR_SURFACING_TINTCODE	String (20)	☑
CR_SURFACING_COAT1CODE	String (20)	☑
CR_SURFACING_COAT2CODE	String (20)	☑
BRANCH_INFOS	Collection (Spectacle Lens Branch)	☒
ADDONS	Collection (Spectacle Lens Addon)	☑

SPECTACLE LENS BRANCH

Name	Type	Null
ID	Int64	☒
BRANCH_IDENTIFIER	String (20)	☒
COSTINC	Decimal	☒
COSTEX	Decimal	☒
SELLINC	Decimal	☒
MEMBER_SELLINC	Decimal	☒
LISTPRICEEX	Decimal	☒
RRPINC	Decimal	☒
DEFAULT_SELLQTY	Int64	☒
QOH	Int64	☒
REORDER_LEVEL	Int64	☒
REORDER_QUANTITY	Int64	☒
INVENTORY	Boolean	☒
INACTIVE	Boolean	☒
FAVOURITE	Boolean	☒

SPECTACLE LENS ADDON

Name	Type	Null
ID	Int64	☒
SPECTACLELENS_ADDON_LOOKUP_ID	Int64	☒
AMOUNT	Decimal	☒

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

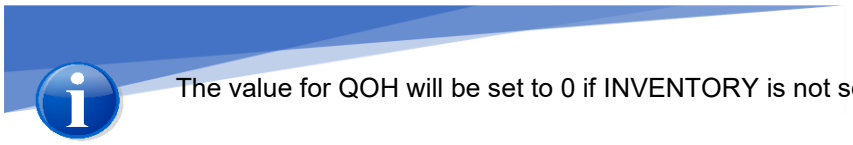
Name	Type : Default	Null
BARCODE	String (20)	☒
SINGLE_HEALTH_FUND	String (5)	☑
MULTI_HEALTH_FUND	String (5)	☑
DESCRIPTION	String (100)	☒

ACCOUNT_DESCRIPTION	String (100)	☑
SUPPLIER_STOCK_CODE	String (50)	☑
WEB_ADDRESS	String (4000)	☑
IS_GST	Boolean : False	☑
STOCKGRIND	String (1)	☑
MATERIAL	String (1)	☑
REFACTIVE_INDEX	Double : 0	☑
DIAMETER	Double : 0	☑
BASE_CURVE	Double : 0	☑
SEG_SIZE	Double : 0	☑
POLARISED	Boolean : False	☑
TRANSITIONS	Boolean : False	☑
HIGHEST_SPH	Double : 0	☑
LOWEST_SPH	Double : 0	☑
MAX_CYL	Double : 0	☑
NODAYSATLAB	Double : 0	☑
LENSTYPE	String (1)	☑
CATEGORY_IDENTIFIER	String (20)	☒
SUPPLIER_IDENTIFIER	String (20)	☒
INSTITUTION_IDENTIFIER	String (20)	☑
NOTES	String (4000)	☑
WINLINX_CODE	String (20)	☑
WINLINX_ADD_CODE	String (20)	☑
OPTILINKCODE	String (20)	☑
OPTILINKGROUP	String (1)	☑
WINFITCODE	String (20)	☑
RXOFFICECODE	String (20)	☑
HOYACODE	String (20)	☑
HOYATINT	String (20)	☑
HOYACOAT	String (20)	☑
SHAMIRCODE	String (20)	☑
SWISSCOAT_LENSCODE	String (20)	☑
SWISSCOAT_TINTCODE	String (20)	☑
SWISSCOAT_COAT1CODE	String (20)	☑
SWISSCOAT_COAT2CODE	String (20)	☑
VISUSTORE_COMMERCIAL_CODE	String (20)	☑
CR_SURFACING_PRODUCTCODE	String (20)	☑
CR_SURFACING_TINTCODE	String (20)	☑
CR_SURFACING_COAT1CODE	String (20)	☑
CR_SURFACING_COAT2CODE	String (20)	☑
BRANCH_INFO	Spectacle Lens Branch	☑
ADDONS	Collection (Spectacle Lens Addon)	☑

SPECTACLE LENS BRANCH

Name	Type : Default	Null
COSTINC	Decimal : 0	☑
COSTEX	Decimal : 0	☑
SELLINC	Decimal : 0	☑
LISTPRICEEX	Decimal : 0	☑
RRPINC	Decimal : 0	☑
DEFAULT_SELLQTY	Int64 : 0	☑
QOH	Int64 : 0	☑
REORDER_LEVEL	Int64 : 0	☑
REORDER_QUANTITY	Int64 : 0	☑
INVENTORY	Boolean : false	☑

INACTIVE	Boolean : false	☑
FAVOURITE	Boolean : false	☑



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)	☒
SPECLENS_ADDON_DESCRIPTION_ID	Int64	☒
AMOUNT	Decimal : 0	☑

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)	☑
MULTI_HEALTH_FUND	String (5)	☑
DESCRIPTION	String (100)	☒
ACCOUNT_DESCRIPTION	String (100)	☑
SUPPLIER_STOCK_CODE	String (50)	☑
WEB_ADDRESS	String (4000)	☑
IS_GST	Boolean : False	☑
STOCKGRIND	String (1)	☑
MATERIAL	String (1)	☑
REFACTIVE_INDEX	Double : 0	☑
DIAMETER	Double : 0	☑
BASE_CURVE	Double : 0	☑
SEG_SIZE	Double : 0	☑
POLARISED	Boolean : False	☑
TRANSITIONS	Boolean : False	☑
HIGHEST_SPH	Double : 0	☑
LOWEST_SPH	Double : 0	☑
MAX_CYL	Double : 0	☑
NODAYSATLAB	Double : 0	☑
LENSTYPE	String (1)	☑
CATEGORY_IDENTIFIER	String (20)	☒
SUPPLIER_IDENTIFIER	String (20)	☒
INSTITUTION_IDENTIFIER	String (20)	☑
NOTES	String (4000)	☑
WINLINX_CODE	String (20)	☑
WINLINX_ADD_CODE	String (20)	☑
OPTILINKCODE	String (20)	☑
OPTILINKGROUP	String (1)	☑
WINFITCODE	String (20)	☑
RXOFFICECODE	String (20)	☑

HOYACODE	String (20)	☑
HOYATINT	String (20)	☑
HOYACOAT	String (20)	☑
SHAMIRCODE	String (20)	☑
SWISSCOAT_LENSCODE	String (20)	☑
SWISSCOAT_TINTCODE	String (20)	☑
SWISSCOAT_COAT1CODE	String (20)	☑
SWISSCOAT_COAT2CODE	String (20)	☑
VISUSTORE_COMMERCIAL_CODE	String (20)	☑
CR_SURFACING_PRODUCTCODE	String (20)	☑
CR_SURFACING_TINTCODE	String (20)	☑
CR_SURFACING_COAT1CODE	String (20)	☑
CR_SURFACING_COAT2CODE	String (20)	☑
BRANCH_INFO	Spectacle Lens Branch	☑
ADDONS	Collection (Spectacle Lens Addon)	☑

SPECTACLE LENS BRANCH

Name	Type : Default	Null
BRANCH_IDENTIFIER	String (20)	☑
COSTINC	Decimal : 0	☑
COSTEX	Decimal : 0	☑
SELLINC	Decimal : 0	☑
LISTPRICEEX	Decimal : 0	☑
RRPINC	Decimal : 0	☑
DEFAULT_SELLQTY	Int64 : 0	☑
QOH	Int64 : 0	☑
INVENTORY	Boolean : false	☑
INACTIVE	Boolean : false	☑
FAVOURITE	Boolean : false	☑

SPECTACLE LENS ADDON

Name	Type : Default	Null
OPERATION	String (1)	☒
ID	Int64	☑
AMOUNT	Decimal : 0	☑

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	☒
DATE_ADDED	DateTimeOffset *yyyy-MM-ddTHH:mm:ss.fffzzz*	☒
USER_ADDED	String (20)	☒
DATE_EDITED	DateTimeOffset *yyyy-MM-ddTHH:mm:ss.fffzzz*	☑
USER_EDITED	String (20)	☑
BARCODE	String (20)	☒
SINGLE_HEALTH_FUND	String (5)	☑
MULTI_HEALTH_FUND	String (5)	☑
DESCRIPTION	String (100)	☒
ACCOUNT_DESCRIPTION	String (100)	☑
ACCOUNT_BENEFITS	String (100)	☑
SUPPLIER_STOCK_CODE	String (50)	☑
IS_GST	Boolean	☒
CATEGORY_IDENTIFIER	String (20)	☒
SUPPLIER_IDENTIFIER	String (20)	☒
INSTITUTION_IDENTIFIER	String (20)	☑
NOTES	String (4000)	☑
VISUSTORE_COMMERCIAL_CODE	String (20)	☑
VISUSTORE_COATING_TYPE	String (20)	☑
WINLINX_CODE	String (20)	☑
CR_SURFACING_PRODUCTCODE	String (20)	☑
BRANCH_INFOS	Collection (Spectacle Lens Addon Branch)	☒

SPECTACLE LENS ADDON BRANCH

Name	Type	Null
ID	Int64	☒
BRANCH_IDENTIFIER	String (20)	☒
COSTINC	Decimal	☒
COSTEX	Decimal	☒
SELLINC	Decimal	☒
MEMBER_SELLINC	Decimal	☒
INACTIVE	Boolean	☒
FAVOURITE	Boolean	☒

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)	☒
SINGLE_HEALTH_FUND	String (5)	☑
MULTI_HEALTH_FUND	String (5)	☑
DESCRIPTION	String (100)	☒
ACCOUNT_DESCRIPTION	String (100)	☑
ACCOUNT_BENEFITS	String (100)	☑
SUPPLIER_STOCK_CODE	String (50)	☑
IS_GST	Boolean : False	☑
CATEGORY_IDENTIFIER	String (20)	☒
SUPPLIER_IDENTIFIER	String (20)	☒
INSTITUTION_IDENTIFIER	String (20)	☑
NOTES	String (4000)	☑
VISUSTORE_COMMERCIAL_CODE	String (20)	☑
VISUSTORE_COATING_TYPE	String (20)	☑
WINLINX_CODE	String (20)	☑
CR_SURFACING_PRODUCTCODE	String (20)	☑
BRANCH_INFO	Spectacle Lens Addon Branch	☑

SPECTACLE LENS ADDON BRANCH

Name	Type : Default	Null
COSTINC	Decimal : 0	☑
COSTEX	Decimal : 0	☑
SELLINC	Decimal : 0	☑
INACTIVE	Boolean : false	☑
FAVOURITE	Boolean : false	☑

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)	☑
MULTI_HEALTH_FUND	String (5)	☑
DESCRIPTION	String (100)	☒
ACCOUNT_DESCRIPTION	String (100)	☑
ACCOUNT_BENEFITS	String (100)	☑
SUPPLIER_STOCK_CODE	String (50)	☑
IS_GST	Boolean : False	☑
CATEGORY_IDENTIFIER	String (20)	☒
SUPPLIER_IDENTIFIER	String (20)	☒
INSTITUTION_IDENTIFIER	String (20)	☑
NOTES	String (4000)	☑
VISUSTORE_COMMERCIAL_CODE	String (20)	☑

VISUSTORE_COATING_TYPE	String (20)	☑
WINLINX_CODE	String (20)	☑
CR_SURFACING_PRODUCTCODE	String (20)	☑
BRANCH_INFO	Spectacle Lens Addon Branch	☑

SPECTACLE LENS ADDON BRANCH

Name	Type : Default	Null
BRANCH_IDENTIFIER	String (20)	☑
COSTINC	Decimal : 0	☑
COSTEX	Decimal : 0	☑
SELLINC	Decimal : 0	☑
INACTIVE	Boolean : false	☑
FAVOURITE	Boolean : false	☑

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	☒
SINGLE_HEALTH_FUND	String (3)	☒
MULTI_HEALTH_FUND	String (3)	☒
DESCRIPTION	String (200)	☒

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	☒
DATE_ADDED	DateTimeOffset *yyyy-MM-ddTHH:mm:ss.fffzzz*	☒
USER_ADDED	String (20)	☒
DATE_EDITED	DateTimeOffset *yyyy-MM-ddTHH:mm:ss.fffzzz*	☑
USER_EDITED	String (20)	☑
PATIENT_ID	Int64	☒
ORDER_DATE	Date *yyyy-MM-dd*	☒
REQUIRED_DATE	Date *yyyy-MM-dd*	☑
ORDERED_DATE	Date *yyyy-MM-dd*	☑
RECEIVED_DATE	Date *yyyy-MM-dd*	☑
COLLECTED_DATE	Date *yyyy-MM-dd*	☑
FOLLOWED_UP_DATE	Date *yyyy-MM-dd*	☑
INVOICE_NUMBER	String (15)	☑
REFERENCE	String (20)	☑
WHEN_READY	String (1)	☑
WHEN_READY_TEXT	String (200)	☑
WARRANTY	String (1)	☑
SUPPLIER_IDENTIFIER	String (20)	☑
RIGHT_LENS_BARCODE	String (20)	☑
RIGHT_OPTCENTRE	Double	☑
RIGHT_SEGHEIGHT	Double	☑
RIGHT_DAB	String (1)	☑
RIGHT_LENSTYPE	String (1)	☑
RIGHT_STOCKGRIND	String (1)	☑
RIGHT_FITORUNCUT	String (1)	☑
LEFT_LENS_BARCODE	String (20)	☑
LEFT_OPTCENTRE	Double	☑
LEFT_SEGHEIGHT	Double	☑
LEFT_DAB	String (1)	☑
LEFT_LENSTYPE	String (1)	☑
LEFT_STOCKGRIND	String (1)	☑
LEFT_FITORUNCUT	String (1)	☑
SPECFRAME_BARCODE	String (20)	☑
IS_SUNGLASS_FRAME	Boolean	☒
OWN_FRAME	Boolean	☒
RIGHT_BVD	Double	☒
LEFT_BVD	Double	☒
RIGHT_PANTO	Double	☒
LEFT_PANTO	Double	☒
WRAP	Double	☒
RXDATE	Date *yyyy-MM-dd*	☑
EXPIRY_DATE	Date *yyyy-MM-dd*	☑
DBL	Double	☒
COMMENT	String (4000)	☑

RIGHT_SPHERE	String (10)	☑
LEFT_SPHERE	String (10)	☑
RIGHT_CYLINDER	String (10)	☑
LEFT_CYLINDER	String (10)	☑
RIGHT_AXIS	String (10)	☑
LEFT_AXIS	String (10)	☑
RIGHT_ADD	String (10)	☑
LEFT_ADD	String (10)	☑
RIGHT_INTADD	String (10)	☑
LEFT _INTADD	String (10)	☑
RIGHT_PD	String (10)	☑
LEFT _PD	String (10)	☑
RIGHT_NEARPD	String (10)	☑
LEFT _NEARPD	String (10)	☑
RIGHT_HPRISM	String (10)	☑
LEFT _HPRISM	String (10)	☑
RIGHT_HPRISM_TYPE	String (10)	☑
LEFT _HPRISM_TYPE	String (10)	☑
RIGHT_VPRISM	String (10)	☑
LEFT _VPRISM	String (10)	☑
RIGHT_VPRISM_TYPE	String (10)	☑
LEFT _VPRISM_TYPE	String (10)	☑
ORDER_COMMENTS	String (4000)	☑
PRACTICE_COMMENTS	String (4000)	☑
LENSCOMMENT	String (100)	☑
CORRIDOR_LENGTH	String (10)	☑
FOCAL_RANGE	String (10)	☑
BASE_CURVE	String (10)	☑
READING_DISTANCE	Double	☒
DOMINANT_EYE	String (1)	☒
HEADEYE_COEFFICIENT	Double	☒
STABILITY_COEFFICIENT	Double	☒
PRINT_ON_CARD	Boolean	☒
PRINT_ON_ORDER	Boolean	☒
SPECLENS_TINT_BARCODE	String (20)	☑
TINT_LAB_INHOUSE	String (1)	☒
TINT_GRAD_UNIFORM	String (1)	☒
TOP_PERCENT	Double	☒
BOTTOM_PERCENT	Double	☒
BRANCH_IDENTIFIER	String (20)	☑
DELIVERY_BRANCH	String (20)	☑
DISPENSER_IDENTIFIER	String (20)	☑
ON_HOLD	Boolean	☑
NVB	String (7)	☑
LITERALITY	String (1)	☒
RIGHT_VA	String (15)	☑
LEFT_VA	String (15)	☑
RIGHT_NVA	String (15)	☑
LEFT _VA	String (15)	☑
RIGHT_FITTING_HEIGHT	Double	☒
LEFT_FITTING_HEIGHT	Double	☒
ETA_DATE	Date *yyyy-MM-dd*	☑
API_STATUS	String (100)	☑
CANCELLED	Boolean	☑
CANCELLED_REASON_ID	Int64	☑
PATIENT_INVOICE_ID	Int64	☑
FRAME_SUPPLIER_IDENTIFIER	String (20)	☑

ADDONS	Collection (Spectacle Lens Addon)	☑

SPECTACLE LENS ADDON

Name	Type	Null
ID	Int64	☒
SPECLENS_ADDON_ID	Int64	☒

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	☒
ORDER_DATE	Date *yyyy-MM-dd* : <Current Date>	☑
REQUIRED_DATE	Date *yyyy-MM-dd*	☑
ORDERED_DATE	Date *yyyy-MM-dd*	☑
INVOICE_NUMBER	String (15)	☑
REFERENCE	String (20)	☑
WHEN_READY	String (1)	☑
WHEN_READY_TEXT	String (200)	☑
WARRANTY	String (1)	☑
SUPPLIER_IDENTIFIER	String (20)	☑
RIGHT_LENS_BARCODE	String (20)	☑
RIGHT_OPTCENTRE	Double : 0	☑
RIGHT_SEGHEIGHT	Double : 0	☑
RIGHT_DAB	String (1) : 'Q'	☑
RIGHT_LENSTYPE	String (1) : Selected Right Lens LENSTYPE	☑
RIGHT_STOCKGRIND	String (1) : Selected Right Lens STOCKGRIND	☑
RIGHT_FITORUNCUT	String (1)	☑
LEFT_LENS_BARCODE	String (20)	☑
LEFT_OPTCENTRE	Double	☑
LEFT_SEGHEIGHT	Double	☑
LEFT_DAB	String (1) : 'Q'	☑
LEFT_LENSTYPE	String (1) : Selected Left Lens LENSTYPE	☑
LEFT_STOCKGRIND	String (1) : Selected Left Lens STOCKGRIND	☑
LEFT_FITORUNCUT	String (1)	☑
SPECFRAME_BARCODE	String (20)	☑
IS_SUNGLASS_FRAME	Boolean : false	☑
RIGHT_BVD	Double : 0	☑
LEFT_BVD	Double : 0	☑
RIGHT_PANTO	Double : 0	☑
LEFT_PANTO	Double : 0	☑
WRAP	Double : 0	☑
RXDATE	Date *yyyy-MM-dd*	☑
DBL	Double : 0	☑

COMMENT	String (4000)	☑
RIGHT_SPHERE	String (10)	☑
LEFT_SPHERE	String (10)	☑
RIGHT_CYLINDER	String (10)	☑
LEFT_CYLINDER	String (10)	☑
RIGHT_AXIS	String (10)	☑
LEFT_AXIS	String (10)	☑
RIGHT_ADD	String (10)	☑
LEFT_ADD	String (10)	☑
RIGHT_INTADD	String (10)	☑
LEFT _INTADD	String (10)	☑
RIGHT_PD	String (10)	☑
LEFT _PD	String (10)	☑
RIGHT_NEARPD	String (10)	☑
LEFT _NEARPD	String (10)	☑
RIGHT_HPRISM	String (10)	☑
LEFT _HPRISM	String (10)	☑
RIGHT_HPRISM_TYPE	String (10)	☑
LEFT _HPRISM_TYPE	String (10)	☑
RIGHT_VPRISM	String (10)	☑
LEFT _VPRISM	String (10)	☑
RIGHT_VPRISM_TYPE	String (10)	☑
LEFT _VPRISM_TYPE	String (10)	☑
ORDER_COMMENTS	String (4000)	☑
PRACTICE_COMMENTS	String (4000)	☑
LENSCOMMENT	String (100)	☑
CORRIDOR_LENGTH	String (10)	☑
FOCAL_RANGE	String (10)	☑
BASE_CURVE	String (10)	☑
READING_DISTANCE	Double : 0	☑
DOMINANT_EYE	String (1) : 'Q'	☑
HEADEYE_COEFFICIENT	Double : 0	☑
STABILITY_COEFFICIENT	Double : 0	☑
PRINT_ON_CARD	Boolean : false	☑
PRINT_ON_ORDER	Boolean : false	☑
SPECLENS_TINT_BARCODE	String (20)	☑
TINT_LAB_INHOUSE	String (1) : 'Q'	☑
TINT_GRAD_UNIFORM	String (1) : 'Q'	☑
TOP_PERCENT	Double : 0	☑
BOTTOM_PERCENT	Double : 0	☑
BRANCH_IDENTIFIER	String (20)	☒
DELIVERY_BRANCH	String (20)	☒
DISPENSER_IDENTIFIER	String (20)	☑
NVB	String (7)	☑
LITERALITY	String (1) : 'Q'	☑
RIGHT_VA	String (15)	☑
LEFT_VA	String (15)	☑
RIGHT_NVA	String (15)	☑
LEFT _VA	String (15)	☑
RIGHT_FITTING_HEIGHT	Double	☑
LEFT_FITTING_HEIGHT	Double	☑
ETA_DATE	Date *yyyy-MM-dd*	☑
API_STATUS	String (100)	☑
FRAME_SUPPLIER_IDENTIFIER	String (20)	☑
ADDONS	Collection (Spectacle Lens Addon)	☑

SPECTACLE LENS ADDON

Name	Type : Default	Null
SPECLENS_ADDON_ID	Int64	☒

PATCH SpectacleLensOrder(ID)

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

Input

Name	Type : Default	Null
ETA_DATE	Date *yyyy-MM-dd*	☑
ORDERED_DATE	Date *yyyy-MM-dd*	☑
RECEIVED_DATE	Date *yyyy-MM-dd*	☑
INVOICE_NUMBER	String (15)	☑
WHEN_READY_TEXT	String (200)	☑
API_STATUS	String (100)	☑
CANCELLED	Boolean	☑
CANCELLED_REASON_ID	Int64	☑
PRACTICE_COMMENTS	String (4000)	☑
RIGHT_SEGHEIGHT	Double	☑
LEFT_SEGHEIGHT	Double	☑
RIGHT_BVD	Double : 0	☑
LEFT_BVD	Double : 0	☑
RIGHT_PANTO	Double : 0	☑
LEFT_PANTO	Double : 0	☑
RIGHT_PD	String (10)	☑
LEFT _PD	String (10)	☑
RIGHT_NEARPD	String (10)	☑
LEFT _NEARPD	String (10)	☑
RIGHT_FITTING_HEIGHT	Double	☑
LEFT_FITTING_HEIGHT	Double	☑

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, FRAME_SUPPLIER_IDENTIFIER 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	☒
DATE_ADDED	DateTimeOffset *yyyy-MM-ddTHH:mm:ss.fffzzz*	☒
USER_ADDED	String (20)	☒
DATE_EDITED	DateTimeOffset *yyyy-MM-ddTHH:mm:ss.fffzzz*	☑
USER_EDITED	String (20)	☑
PATIENT_ID	Int64	☒
RXDATE	Date *yyyy-MM-dd*	☒
EXPIRY_DATE	Date *yyyy-MM-dd*	☒
COMMENT	String (4000)	☑
RIGHT_SPHERE	String (10)	☑
LEFT_SPHERE	String (10)	☑
RIGHT_CYLINDER	String (10)	☑
LEFT _CYLINDER	String (10)	☑
RIGHT_AXIS	String (10)	☑
LEFT_AXIS	String (10)	☑
RIGHT_ADD	String (10)	☑
LEFT _ADD	String (10)	☑
RIGHT_INTADD	String (10)	☑
LEFT_INTADD	String (10)	☑
RIGHT_PD	String (10)	☑
LEFT_PD	String (10)	☑
RIGHT_NEARPD	String (10)	☑
LEFT_NEARPD	String (10)	☑
RIGHT_HPRISM	String (10)	☑
LEFT_HPRISM	String (10)	☑
RIGHT_HPRISM_TYPE	String (10)	☑
LEFT_HPRISM_TYPE	String (10)	☑
RIGHT_VPRISM	String (10)	☑
LEFT_VPRISM	String (10)	☑
RIGHT_VPRISM_TYPE	String (10)	☑
LEFT_VPRISM_TYPE	String (10)	☑
RIGHT_LENS_BARCODE	String (20)	☑
RIGHT_LENS_DESCRIPTION	String (100)	☑
LEFT_LENS_BARCODE	String (20)	☑
LEFT_LENS_ DESCRIPTION	String (100)	☑
OPTOMETRIST_ID	Int64	☒
BRANCH_IDENTIFIER	String (20)	☒
RIGHT_EYE_ONLY	Boolean	☒
LEFT_EYE_ONLY	Boolean	☒
PRACTICE_COMMENT	String (4000)	☑

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	☒
RXDATE	Date *yyyy-MM-dd*	☒
EXPIRY_DATE	Date *yyyy-MM-dd*	☒
COMMENT	String (4000)	☑
RIGHT_SPHERE	String (10)	☑
LEFT_SPHERE	String (10)	☑
RIGHT_CYLINDER	String (10)	☑
LEFT _CYLINDER	String (10)	☑
RIGHT_AXIS	String (10)	☑
LEFT_AXIS	String (10)	☑
RIGHT_ADD	String (10)	☑
LEFT _ADD	String (10)	☑
RIGHT_INTADD	String (10)	☑
LEFT_INTADD	String (10)	☑
RIGHT_PD	String (10)	☑
LEFT_PD	String (10)	☑
RIGHT_NEARPD	String (10)	☑
LEFT_NEARPD	String (10)	☑
RIGHT_HPRISM	String (10)	☑
LEFT_HPRISM	String (10)	☑
RIGHT_HPRISM_TYPE	String (10)	☑
LEFT_HPRISM_TYPE	String (10)	☑
RIGHT_VPRISM	String (10)	☑
LEFT_VPRISM	String (10)	☑
RIGHT_VPRISM_TYPE	String (10)	☑
LEFT_VPRISM_TYPE	String (10)	☑
RIGHT_LENS_BARCODE	String (20)	☑
LEFT_LENS_BARCODE	String (20)	☑
OPTOMETRIST_ID	Int64	☒
BRANCH_IDENTIFIER	String (20)	☒
RIGHT_EYE_ONLY	Boolean : False	☑
LEFT_EYE_ONLY	Boolean : False	☑
PRACTICE_COMMENT	String (4000)	☑

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)	☑
LEFT _PD	String (10)	☑

RIGHT_NEARPD	String (10)	☑
LEFT _NEARPD	String (10)	☑

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	☒
DATE_ADDED	DateTimeOffset *yyyy-MM-ddTHH:mm:ss.fffzzz*	☒
USER_ADDED	String (20)	☒
DATE_EDITED	DateTimeOffset *yyyy-MM-ddTHH:mm:ss.fffzzz*	☑
USER_EDITED	String (20)	☑
BARCODE	String (20)	☒
SINGLE_HEALTH_FUND	String (5)	☑
MULTI_HEALTH_FUND	String (5)	☑
DESCRIPTION	String (100)	☒
ACCOUNT_DESCRIPTION	String (100)	☑
SUPPLIER_STOCK_CODE	String (50)	☑
IS_GST	Boolean	☒
CATEGORY_IDENTIFIER	String (20)	☒
SUPPLIER_IDENTIFIER	String (20)	☒
INSTITUTION_IDENTIFIER	String (20)	☑
TYPE	String (1)	☑
NOTES	String (4000)	☑
VISUSTORE_COMMERCIAL_CODE	String (20)	☑
WINLINX_CODE	String (20)	☑
CR_SURFACING_PRODUCTCODE	String (20)	☑
BRANCH_INFOS	Collection (Spectacle Lens Tint Branch)	☒

SPECTACLE LENS TINT BRANCH

Name	Type	Null
ID	Int64	☒
BRANCH_IDENTIFIER	String (20)	☒
COSTINC	Decimal	☒

COSTEX	Decimal	☒
SELLINC	Decimal	☒
MEMBER_SELLINC	Decimal	☒
INACTIVE	Boolean	☒
FAVOURITE	Boolean	☒

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)	☒
SINGLE_HEALTH_FUND	String (5)	☑
MULTI_HEALTH_FUND	String (5)	☑
DESCRIPTION	String (100)	☒
ACCOUNT_DESCRIPTION	String (100)	☑
SUPPLIER_STOCK_CODE	String (50)	☑
IS_GST	Boolean : False	☑
CATEGORY_IDENTIFIER	String (20)	☒
SUPPLIER_IDENTIFIER	String (20)	☒
INSTITUTION_IDENTIFIER	String (20)	☑
TYPE	String (1)	☑
NOTES	String (4000)	☑
VISUSTORE_COMMERCIAL_CODE	String (20)	☑
WINLINX_CODE	String (20)	☑
CR_SURFACING_PRODUCTCODE	String (20)	☑
BRANCH_INFO	Spectacle Lens Tint Branch	☑

SPECTACLE LENS TINT BRANCH

Name	Type : Default	Null
COSTINC	Decimal : 0	☑
COSTEX	Decimal : 0	☑
SELLINC	Decimal : 0	☑
INACTIVE	Boolean : false	☑
FAVOURITE	Boolean : false	☑

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)	☑
MULTI_HEALTH_FUND	String (5)	☑
DESCRIPTION	String (100)	☒
ACCOUNT_DESCRIPTION	String (100)	☑
SUPPLIER_STOCK_CODE	String (50)	☑
IS_GST	Boolean : False	☑
CATEGORY_IDENTIFIER	String (20)	☒
SUPPLIER_IDENTIFIER	String (20)	☒
INSTITUTION_IDENTIFIER	String (20)	☑
TYPE	String (1)	☑
NOTES	String (4000)	☑
VISUSTORE_COMMERCIAL_CODE	String (20)	☑
WINLINX_CODE	String (20)	☑
CR_SURFACING_PRODUCTCODE	String (20)	☑
BRANCH_INFO	Spectacle Lens Tint Branch	☑

SPECTACLE LENS TINT BRANCH

Name	Type : Default	Null
BRANCH_IDENTIFIER	String (20)	☑
COSTINC	Decimal : 0	☑
COSTEX	Decimal : 0	☑
SELLINC	Decimal : 0	☑
INACTIVE	Boolean : false	☑
FAVOURITE	Boolean : false	☑

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)	☒
PUBLISHER	String (25)	☒
MIN_OT_VERSION	String (25)	☒
API_VERSION	String (10)	☒
OT_VERSION	String (25)	☒

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)	☒
NAME	String (100)	☒

Static Reference Contact Method record.

Name	Format	Null
CODE	String (20)	☒
NAME	String (100)	☒

IS_RECALLINT	Boolean	☒
IS_RECALLSUB	Boolean	☒
IS_ORDERCOLL	Boolean	☒
IS_APPOINTMENTS	Boolean	☒
IS_MARKETING	Boolean	☒
IS_TELEPHONE	Boolean	☒

Static Reference Payment Type record.

Name	Format	Null
CODE	String (20)	☒
NAME	String (100)	☒
IS_INSTITUTION_PAYMENT	Boolean	☒

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	☒
NAME	String (100)	☒

Static Reference Stock Type record.

Name	Format	Null
ID	Int32	☒
NAME	String (100)	☒
BARCODE_QUEUE	Boolean	☒

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	☒
DATE_ADDED	DateTimeOffset *yyyy-MM-ddTHH:mm:ss.fffzzz*	☒
USER_ADDED	String (20)	☒
DATE_EDITED	DateTimeOffset *yyyy-MM-ddTHH:mm:ss.fffzzz*	☑
USER_EDITED	String (20)	☑
BARCODE	String (20)	☒
HEALTH_FUND	String (5)	☑
MODEL	String (20)	☑
COLOUR_CODE	String (15)	☑
COLOUR_DESCRIPTION	String (70)	☑
SIZE	Double	☒
DESCRIPTION	String (100)	☒
DEPTH	Double	☒
DIAG	Double	☒
TEMPLE	Double	☒
NOTES	String (4000)	☑
SUPPLIER_STOCK_CODE	String (50)	☑
WEB_ADDRESS	String (250)	☑
GENDER_CODE	String (1)	☒
STATUS	String (1)	☒
IS_GST	Boolean	☒
SERIALNUMBER	String (40)	☑
BRAND_IDENTIFIER	String (20)	☑
ACCOUNT_DESCRIPTION	String (100)	☑
MATERIAL_IDENTIFIER	String (20)	☑
CATEGORY_IDENTIFIER	String (20)	☒
SUPPLIER_IDENTIFIER	String (20)	☒
INSTITUTION_IDENTIFIER	String (20)	☑
CONSTRUCTION_IDENTIFIER	String (20)	☑
UVRATING	Int32	☑

RX	Boolean	☒
BRANCH_INFOS	Collection (Sunglasses Branch Info)	☒

SUNGLASSES BRANCH INFO

Name	Type	Null
ID	Int64	☒
BRANCH_IDENTIFIER	String (20)	☒
COSTINC	Decimal	☒
COSTEX	Decimal	☒
SELLINC	Decimal	☒
MEMBER_SELLINC	Decimal	☒
LISTPRICEEX	Decimal	☒
RRPINC	Decimal	☒
QOH	Int64	☒
ON_LOAN	Int64	☑
REORDER_LEVEL	Int64	☒
REORDER_QUANTITY	Number	☒
CONSIGNMENT	Boolean	☒
DISPLAY	Boolean	☒
INVENTORY	Boolean	☒
FAVOURITE	Boolean	☒

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)	☒
HEALTH_FUND	String (5)	☑
MODEL	String (20)	☑
COLOUR_CODE	String (15)	☑
COLOUR_DESCRIPTION	String (70)	☑
SIZE	Double : 0	☑
DESCRIPTION	String (100)	☒
DEPTH	Double : 0	☑
DIAG	Double : 0	☑
TEMPLE	Double : 0	☑
NOTES	String (4000)	☑
SUPPLIER_STOCK_CODE	String (50)	☑
WEB_ADDRESS	String (250)	☑
GENDER_CODE	String (1)	☒
STATUS	String (1)	☒
IS_GST	Boolean : false	☑
SERIALNUMBER	String (40)	☑

BRAND_IDENTIFIER	String (20)	☑
ACCOUNT_DESCRIPTION	String (100)	☑
MATERIAL_IDENTIFIER	String (20)	☑
CATEGORY_IDENTIFIER	String (20)	☒
SUPPLIER_IDENTIFIER	String (20)	☒
INSTITUTION_IDENTIFIER	String (20)	☑
CONSTRUCTION_IDENTIFIER	String (20)	☑
UVRATING	Int32	☑
RX	Boolean : false	☑
BRANCH_INFO	Sunglasses Branch	☑

SUNGLASSES BRANCH

Name	Type : Default	Null
COSTINC	Decimal : 0	☑
COSTEX	Decimal : 0	☑
SELLINC	Decimal : 0	☑
LISTPRICEEX	Decimal : 0	☑
RRPINC	Decimal : 0	☑
QOH	Int64 : 0	☑
ON_LOAN	Int64	☑
REORDER_LEVEL	Int64 : 0	☑
REORDER_QUANTITY	Int64 : 0	☑
CONSIGNMENT	Boolean : false	☑
DISPLAY	Boolean : false	☑
INVENTORY	Boolean : false	☑
FAVOURITE	Boolean : false	☑

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)	☑
MODEL	String (20)	☑
COLOUR_CODE	String (15)	☑
COLOUR_DESCRIPTION	String (70)	☑
SIZE	Double : 0	☑
DESCRIPTION	String (100)	☒
DEPTH	Double : 0	☑
DIAG	Double : 0	☑
TEMPLE	Double : 0	☑
NOTES	String (4000)	☑
SUPPLIER_STOCK_CODE	String (50)	☑
WEB_ADDRESS	String (250)	☑

GENDER_CODE	String (1)	☒
STATUS	String (1)	☒
IS_GST	Boolean : false	☑
SERIALNUMBER	String (40)	☑
BRAND_IDENTIFIER	String (20)	☑
ACCOUNT_DESCRIPTION	String (100)	☑
MATERIAL_IDENTIFIER	String (20)	☑
CATEGORY_IDENTIFIER	String (20)	☒
SUPPLIER_IDENTIFIER	String (20)	☒
INSTITUTION_IDENTIFIER	String (20)	☑
CONSTRUCTION_IDENTIFIER	String (20)	☑
UVRATING	Int32	☑
RX	Boolean : false	☑
BRANCH_INFO	Sunglasses Branch	☑

SUNGLASSES BRANCH

Name	Type : Default	Null
BRANCH_IDENTIFIER	String (20)	☑
COSTINC	Decimal : 0	☑
COSTEX	Decimal : 0	☑
SELLINC	Decimal : 0	☑
LISTPRICEEX	Decimal : 0	☑
RRPINC	Decimal : 0	☑
QOH	Int64 : 0	☑
CONSIGNMENT	Boolean : false	☑
DISPLAY	Boolean : false	☑
INVENTORY	Boolean : false	☑
FAVOURITE	Boolean : false	☑

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	☒
DATE_ADDED	DateTimeOffset *yyyy-MM-ddTHH:mm:ss.fffzzz*	☒
USER_ADDED	String (20)	☒
DATE_EDITED	DateTimeOffset *yyyy-MM-ddTHH:mm:ss.fffzzz*	☑
USER_EDITED	String (20)	☑
IDENTIFIER	String (10)	☒
NAME	String (50)	☒
ADDRESS	String (100)	☑
SUBURB	String (25)	☑
STATE	String (100)	☑
POSTCODE	String (10)	☑
CONTACT	String (25)	☑
TELEPHONE1	String (15)	☑
TELEPHONE2	String (15)	☑
FAX	String (15)	☑
GENERAL_EMAIL	String (100)	☑
ORDER_EMAIL	String (100)	☑
ABN	String (15)	☑
GENERAL_WEB	String (300)	☑
ORDER_WEB	String (300)	☑

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)	☒
NAME	String (50)	☒
ADDRESS	String (100)	☑
SUBURB	String (25)	☑
STATE	String (100)	☑
POSTCODE	String (10)	☑
CONTACT	String (25)	☑
TELEPHONE1	String (15)	☑
TELEPHONE2	String (15)	☑
FAX	String (15)	☑
GENERAL_EMAIL	String (100)	☑
ORDER_EMAIL	String (100)	☑

ABN	String (15)	☑
GENERAL_WEB	String (300)	☑
ORDER_WEB	String (300)	☑

PUT Supplier(ID)

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

Input

Name	Type	Null
NAME	String (50)	☒
ADDRESS	String (100)	☑
SUBURB	String (25)	☑
STATE	String (100)	☑
POSTCODE	String (10)	☑
CONTACT	String (25)	☑
TELEPHONE1	String (15)	☑
TELEPHONE2	String (15)	☑
FAX	String (15)	☑
GENERAL_EMAIL	String (100)	☑
ORDER_EMAIL	String (100)	☑
ABN	String (15)	☑
GENERAL_WEB	String (300)	☑
ORDER_WEB	String (300)	☑

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 is Optomate Touch
For Post, supplied value for IDENTIFIER it 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	☒
DATE_ADDED	DateTimeOffset *yyyy-MM-ddTHH:mm:ss.fffzzz*	☒
USER_ADDED	String (20)	☒
DATE_EDITED	DateTimeOffset *yyyy-MM-ddTHH:mm:ss.fffzzz*	☑
USER_EDITED	String (20)	☑

FIRST_NAME	String (30)	☒
SURNAME	String (30)	☑
PHONE	String (30)	☑
EMAIL	String (100)	☑
RATING	Int32 (0-10)	☑
SUPPLIER_ID	Int64	☑

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)	☒
SURNAME	String (30)	☑
PHONE	String (30)	☑
EMAIL	String (100)	☑
RATING	Int32 (0-10)	☑
SUPPLIER_ID	Int64	☒

PUT SupplierRep(ID)

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

Input

Name	Type	Null
FIRST_NAME	String (30)	☒
SURNAME	String (30)	☑
PHONE	String (30)	☑
EMAIL	String (100)	☑
RATING	Int32 (0-10)	☑

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	☒
DATE_ADDED	DateTimeOffset *yyyy-MM-ddTHH:mm:ss.fffzzz*	☒
USER_ADDED	String (20)	☒
DATE_EDITED	DateTimeOffset *yyyy-MM-ddTHH:mm:ss.fffzzz*	☑
USER_EDITED	String (20)	☑
IDENTIFIER	String (10)	☒
GIVEN_NAME	String (100)	☒
SURNAME	String (200)	☒
INACTIVE	Boolean	☒
USER_TYPE	Int32	☒
IS_ADMINISTRATOR	Boolean	☒
USERNAME	String (50)	☒
EMAIL_ADDRESS	String (200)	☑
USE_APPBOOK	Boolean	☒
IS_ROAMING_USER	Boolean	☒
EXTERNAL_USER_ID	String (80)	☑

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)	☒
GIVEN_NAME	String (100)	☒
SURNAME	String (200)	☒
INACTIVE	Boolean : false	☑

USER_TYPE	Int32	☒
IS_ADMINISTRATOR	Boolean : false	☑
USERNAME	String (50)	☒
PASSWORD	String (100)	☒
EMAIL_ADDRESS	String (200)	☑
USE_APPBOOK	Boolean : false	☑
IS_ROAMING_USER	Boolean : false	☑
EXTERNAL_USER_ID	String (80)	☑

PATCH User(ID)

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

Input

Name	Type	Null
GIVEN_NAME	String (100)	☒
SURNAME	String (200)	☒
INACTIVE	Boolean	☑
USER_TYPE	Int32	☒
IS_ADMINISTRATOR	Boolean	☑
PASSWORD	String (100)	☑
EMAIL_ADDRESS	String (200)	☑
USE_APPBOOK	Boolean	☑
IS_ROAMING_USER	Boolean	☑
EXTERNAL_USER_ID	String (80)	☑

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 no 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	☒
VOUCHER_TYPE	String (100)	☒
AMOUNT	Decimal	☒
EXPIRY_DATE	Date *yyyy-MM-dd*	☑

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	☒
FINALISED	Boolean	☒
RECALL_DONE	Boolean	☒
REFERRAL_DONE	Boolean	☒
COMPLAINT_NOTE	String (4000)	☑
GENERAL_HEALTH_NOTE	String (4000)	☑
PAST_OCULAR_HISTORY_NOTE	String (4000)	☑
FAMILY_OCULAR_HISTORY_NOTE	String (4000)	☑
DRIVES_WITH_RX	Boolean	☒
DRIVES_WITHOUT_RX	Boolean	☒
DOES_NOT_DRIVE	Boolean	☒
CONSULTATION_ITEM_1	String (20)	☑

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

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

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

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

FINAL2_RX_NVA_OU	String (15)	☑
FINAL2_RX_NOTE	String (4000)	☑
AMSLER_NOTE	String (4000)	☑
PERIMETRY_DEVICE	String (400)	☑
OCT_DEVICE	String (400)	☑
OCT_NOTE	String (4000)	☑
TOPOGRAPHY_DEVICE	String (400)	☑
TOPOGRAPHY_NOTE	String (4000)	☑
KREADINGS_MM1_VALUE_RIGHT	Double	☑
KREADINGS_MM1_AXIS_RIGHT	Double	☑
KREADINGS_MM2_VALUE_RIGHT	Double	☑
KREADINGS_MM2_AXIS_RIGHT	Double	☑
KREADINGS_MM1_VALUE_LEFT	Double	☑
KREADINGS_MM1_AXIS_LEFT	Double	☑
KREADINGS_MM2_VALUE_LEFT	Double	☑
KREADINGS_MM2_AXIS_LEFT	Double	☑
KREADINGS_DIOPTRES1_VALUE_RIGHT	Double	☑
KREADINGS_DIOPTRES1_AXIS_RIGHT	Double	☑
KREADINGS_DIOPTRES2_VALUE_RIGHT	Double	☑
KREADINGS_DIOPTRES2_AXIS_RIGHT	Double	☑
KREADINGS_DIOPTRES1_VALUE_LEFT	Double	☑
KREADINGS_DIOPTRES1_AXIS_LEFT	Double	☑
KREADINGS_DIOPTRES2_VALUE_LEFT	Double	☑
KREADINGS_DIOPTRES2_AXIS_LEFT	Double	☑
KREADINGS_NOTE	String (4000)	☑
ANTERIOR_IMAGE_RIGHT	String (4000)	☑
ANTERIOR_IMAGE_LEFT	String (4000)	☑
POSTERIOR_IMAGE_RIGHT	String (4000)	☑
POSTERIOR_IMAGE_LEFT	String (4000)	☑
RETINAL_IMAGE_TAKEN	Boolean	☒
MPOD_RIGHT	Double	☑
MPOD_LEFT	Double	☑
DILATED_FUNDUS	String (500)	☑
DILATED_FUNDUS_DATE	Date *yyyy-MM-dd*	☑
DILATED_FUNDUS_TIME	TimeOfDay *hh:mm tt*	☑
DILATED_FUNDUS_NOTES	String (4000)	☑
ALLERGIES_NOTE	String (4000)	☑
COVER_TEST_UNAIDED_DISTANCE	String (20)	☑
COVER_TEST_UNAIDED_NEAR	String (20)	☑
COVER_TEST_AIDED_DISTANCE	String (20)	☑
COVER_TEST_AIDED_NEAR	String (20)	☑
COVER_TEST_NPC_BLUR	String (20)	☑
COVER_TEST_NPC_BREAK	String (20)	☑
COVER_TEST_NPC_RECOVERY	String (20)	☑
COVER_TEST_NPA_BLUR	String (20)	☑
COVER_TEST_NPA_BREAK	String (20)	☑
COVER_TEST_NPA_RECOVERY	String (20)	☑
MOTILITY_MONOCULAR_NOTE	String (4000)	☑
MOTILITY_BINOCULAR_NOTE	String (4000)	☑
ACCOMMODATION_UNFUSED_X_CYL_RIGHT	Double	☑
ACCOMMODATION_UNFUSED_X_CYL_LEFT	Double	☑
ACCOMMODATION_FUSED_X_CYL_OU	Double	☑
ACCOMMODATION_NEAR_RET_MEM_RIGHT	Double	☑
ACCOMMODATION_NEAR_RET_MEM_LEFT	Double	☑
ACCOMMODATION_PRA	Double	☑
ACCOMMODATION_NRA	Double	☑
ACCOMMONDATION1_CMIN	String (5)	☑

ACCOMMONDATION1_PASS_FAIL	String (4)	☑
ACCOMMONDATION15_CMIN	String (5)	☑
ACCOMMONDATION15_PASS_FAIL	String (4)	☑
ACCOMMONDATION2_CMIN	String (5)	☑
ACCOMMONDATION2_PASS_FAIL	String (4)	☑
ACCOMMONDATION_CUSTOM_NAME	String (15)	☑
ACCOMMONDATION_CUSTOM_CMIN	String (5)	☑
ACCOMMONDATION_CUSTOM_PASS_FAIL	String (4)	☑
ACCOMMONDATION_ACA_PLUS_2	String (6)	☑
ACCOMMONDATION_ACA_PLUS_1	String (6)	☑
ACCOMMONDATION_ACA_PLUS_0	String (6)	☑
ACCOMMONDATION_ACA_MINUS_1	String (6)	☑
ACCOMMONDATION_ACA_MINUS_2	String (6)	☑
STEREOPSIS_TEST	String (500)	☑
STEREOPSIS_NOTE	String (4000)	☑
SUPPRESSION_TEST	String (500)	☑
SUPPRESSION_NOTE	String (4000)	☑
PHORIA_HORIZONTAL_UNAIDED_DISTANCE	String (10)	☑
PHORIA_HORIZONTAL_UNAIDED_NEAR	String (10)	☑
PHORIA_HORIZONTAL_AIDED_DISTANCE	String (10)	☑
PHORIA_HORIZONTAL_AIDED_NEAR	String (10)	☑
PHORIA_VERTICAL_UNAIDED_DISTANCE	String (10)	☑
PHORIA_VERTICAL_UNAIDED_NEAR	String (10)	☑
PHORIA_VERTICAL_AIDED_DISTANCE	String (10)	☑
PHORIA_VERTICAL_AIDED_NEAR	String (10)	☑
VERGENCE1_IN	Double	☑
VERGENCE1_OUT	Double	☑
VERGENCE1_CMIN	String (5)	☑
VERGENCE1_PASS_FAIL	String (4)	☑
VERGENCE2_IN	Double	☑
VERGENCE2_OUT	Double	☑
VERGENCE2_CMIN	String (5)	☑
VERGENCE2_PASS_FAIL	String (4)	☑
VERGENCE3_IN	Double	☑
VERGENCE3_OUT	Double	☑
VERGENCE3_CMIN	String (5)	☑
VERGENCE3_PASS_FAIL	String (4)	☑
EXTRA_TESTS_NOTE	String (4000)	☑
FUSIONAL_RESERVES_BLUR_DISTANCE_BO	Double	☑
FUSIONAL_RESERVES_BREAK_DISTANCE_BO	Double	☑
FUSIONAL_RESERVES_RECOVERY_DISTANCE_BO	Double	☑
FUSIONAL_RESERVES_BLUR_DISTANCE_BI	Double	☑
FUSIONAL_RESERVES_BREAK_DISTANCE_BI	Double	☑
FUSIONAL_RESERVES_RECOVERY_DISTANCE_BI	Double	☑
FUSIONAL_RESERVES_BLUR_NEAR_BO	Double	☑
FUSIONAL_RESERVES_BREAK_NEAR_BO	Double	☑
FUSIONAL_RESERVES_RECOVERY_NEAR_BO	Double	☑
FUSIONAL_RESERVES_BLUR_NEAR_BI	Double	☑
FUSIONAL_RESERVES_BREAK_NEAR_BI	Double	☑
FUSIONAL_RESERVES_RECOVERY_NEAR_BI	Double	☑
FUSIONAL_RESERVES_AIDED	Boolean	☒
FUSIONAL_RESERVES_UNAIDED	Boolean	☒
FUSIONAL_RESERVESV_BREAK_DISTANCE_BDR	Double	☑
FUSIONAL_RESERVESV_BREAK_DISTANCE_BUR	Double	☑
FUSIONAL_RESERVESV_RECOVERY_DISTANCE_BDR	Double	☑
FUSIONAL_RESERVESV_RECOVERY_DISTANCE_BUR	Double	☑
FUSIONAL_RESERVESV_BREAK_NEAR_BDR	Double	☑

FUSIONAL_RESERVESV_BREAK_NEAR_BUR	Double	☑
FUSIONAL_RESERVESV_RECOVERY_NEAR_BDR	Double	☑
FUSIONAL_RESERVESV_RECOVERY_NEAR_BUR	Double	☑
COLOUR_VISION_TEST	String (4000)	☑
COLOUR_VISION_RESULT	String (4000)	☑
COLOUR_VISION_DIAGNOSIS	String (4000)	☑
ADVICE_ACTION	String (4000)	☑
EXAMINATION_NOTE	String (4000)	☑
OCULO_SELF_URL	String (4000)	☑
OCULO_EDIT_URL	String (4000)	☑
EXAM_WRITER	Boolean	☒
DIABETES_VALUE	String (20)	☑
DIABETES_TYPE_VALUE	String (20)	☑
GLAUCOMA_VALUE	String (20)	☑
GLAUCOMA_TYPE_VALUE	String (20)	☑
AMD_VALUE	String (20)	☑
AMD_TYPE_VALUE	String (20)	☑
DRY_EYE_VALUE	String (20)	☑
DRY_EYE_TYPE_VALUE	String (20)	☑
DILATED_FUNDUS_INFORMED_CONSENT_VALUE	String (20)	☑
TOPOGRAPHY_PERFORMED_VALUE	String (20)	☑
PERIMETRY_PERFORMED_VALUE	String (20)	☑
OCT_PERFORMED_VALUE	String (20)	☑
AXIAL_LENGTH_RIGHT	Double	☑
AXIAL_LENGTH_LEFT	Double	☑
AXIAL_LENGTH_DEVICE	String (500)	☑

APPENDIX C: EXAMINATION CONTACT LENS

Name	Type	Null
SOFT_TRIAL1_DATE	Date *yyyy-MM-dd*	☑
SOFT_TRIAL1_OCULAR_DOMINANCE_RIGHT	Boolean	☒
SOFT_TRIAL1_OCULAR_DOMINANCE_LEFT	Boolean	☒
SOFT_TRIAL1_BARCODE_RIGHT	String (20)	☑
SOFT_TRIAL1_DESCRIPTION_RIGHT	String (100)	☑
SOFT_TRIAL1_BASE_CURVE_RIGHT	String (10)	☑
SOFT_TRIAL1_DIAMETER_RIGHT	String (10)	☑
SOFT_TRIAL1_POWER_SPHERE_RIGHT	String (10)	☑
SOFT_TRIAL1_POWER_CYLINDER_RIGHT	String (10)	☑
SOFT_TRIAL1_POWER_AXIS_RIGHT	String (10)	☑
SOFT_TRIAL1_POWER_ADD_RIGHT	String (10)	☑
SOFT_TRIAL1_OVERREF_SPHERE_RIGHT	String (10)	☑
SOFT_TRIAL1_OVERREF_CYLINDER_RIGHT	String (10)	☑
SOFT_TRIAL1_OVERREF_AXIS_RIGHT	String (10)	☑
SOFT_TRIAL1_OVERREF_ADD_RIGHT	String (10)	☑
SOFT_TRIAL1_VA_RIGHT	String (10)	☑
SOFT_TRIAL1_FIT_RIGHT	String (50)	☑
SOFT_TRIAL1_NOTE_RIGHT	String (4000)	☑
SOFT_TRIAL1_BARCODE_LEFT	String (20)	☑
SOFT_TRIAL1_DESCRIPTION_LEFT	String (100)	☑
SOFT_TRIAL1_BASE_CURVE_LEFT	String (10)	☑
SOFT_TRIAL1_DIAMETER_LEFT	String (10)	☑
SOFT_TRIAL1_POWER_SPHERE_LEFT	String (10)	☑
SOFT_TRIAL1_POWER_CYLINDER_LEFT	String (10)	☑
SOFT_TRIAL1_POWER_AXIS_LEFT	String (10)	☑
SOFT_TRIAL1_POWER_ADD_LEFT	String (10)	☑

SOFT_TRIAL1_OVERREF_SPHERE_LEFT	String (10)	☑
SOFT_TRIAL1_OVERREF_CYLINDER_LEFT	String (10)	☑
SOFT_TRIAL1_OVERREF_AXIS_LEFT	String (10)	☑
SOFT_TRIAL1_OVERREF_ADD_LEFT	String (10)	☑
SOFT_TRIAL1_VA_LEFT	String (10)	☑
SOFT_TRIAL1_FIT_LEFT	String (50)	☑
SOFT_TRIAL1_NOTE_LEFT	String (4000)	☑
SOFT_TRIAL2_DATE	Date *yyyy-MM-dd*	☑
SOFT_TRIAL2_OCULAR_DOMINANCE_RIGHT	Boolean	☒
SOFT_TRIAL2_OCULAR_DOMINANCE_LEFT	Boolean	☒
SOFT_TRIAL2_BARCODE_RIGHT	String (20)	☑
SOFT_TRIAL2_DESCRIPTION_RIGHT	String (100)	☑
SOFT_TRIAL2_BASE_CURVE_RIGHT	String (10)	☑
SOFT_TRIAL2_DIAMETER_RIGHT	String (10)	☑
SOFT_TRIAL2_POWER_SPHERE_RIGHT	String (10)	☑
SOFT_TRIAL2_POWER_CYLINDER_RIGHT	String (10)	☑
SOFT_TRIAL2_POWER_AXIS_RIGHT	String (10)	☑
SOFT_TRIAL2_POWER_ADD_RIGHT	String (10)	☑
SOFT_TRIAL2_OVERREF_SPHERE_RIGHT	String (10)	☑
SOFT_TRIAL2_OVERREF_CYLINDER_RIGHT	String (10)	☑
SOFT_TRIAL2_OVERREF_AXIS_RIGHT	String (10)	☑
SOFT_TRIAL2_OVERREF_ADD_RIGHT	String (10)	☑
SOFT_TRIAL2_VA_RIGHT	String (10)	☑
SOFT_TRIAL2_FIT_RIGHT	String (50)	☑
SOFT_TRIAL2_NOTE_RIGHT	String (4000)	☑
SOFT_TRIAL2_BARCODE_LEFT	String (20)	☑
SOFT_TRIAL2_DESCRIPTION_LEFT	String (100)	☑
SOFT_TRIAL2_BASE_CURVE_LEFT	String (10)	☑
SOFT_TRIAL2_DIAMETER_LEFT	String (10)	☑
SOFT_TRIAL2_POWER_SPHERE_LEFT	String (10)	☑
SOFT_TRIAL2_POWER_CYLINDER_LEFT	String (10)	☑
SOFT_TRIAL2_POWER_AXIS_LEFT	String (10)	☑
SOFT_TRIAL2_POWER_ADD_LEFT	String (10)	☑
SOFT_TRIAL2_OVERREF_SPHERE_LEFT	String (10)	☑
SOFT_TRIAL2_OVERREF_CYLINDER_LEFT	String (10)	☑
SOFT_TRIAL2_OVERREF_AXIS_LEFT	String (10)	☑
SOFT_TRIAL2_OVERREF_ADD_LEFT	String (10)	☑
SOFT_TRIAL2_VA_LEFT	String (10)	☑
SOFT_TRIAL2_FIT_LEFT	String (50)	☑
SOFT_TRIAL2_NOTE_LEFT	String (4000)	☑
SOFT_TRIAL3_DATE	Date *yyyy-MM-dd*	☑
SOFT_TRIAL3_OCULAR_DOMINANCE_RIGHT	Boolean	☒
SOFT_TRIAL3_OCULAR_DOMINANCE_LEFT	Boolean	☒
SOFT_TRIAL3_BARCODE_RIGHT	String (20)	☑
SOFT_TRIAL3_DESCRIPTION_RIGHT	String (100)	☑
SOFT_TRIAL3_BASE_CURVE_RIGHT	String (10)	☑
SOFT_TRIAL3_DIAMETER_RIGHT	String (10)	☑
SOFT_TRIAL3_POWER_SPHERE_RIGHT	String (10)	☑
SOFT_TRIAL3_POWER_CYLINDER_RIGHT	String (10)	☑
SOFT_TRIAL3_POWER_AXIS_RIGHT	String (10)	☑
SOFT_TRIAL3_POWER_ADD_RIGHT	String (10)	☑
SOFT_TRIAL3_OVERREF_SPHERE_RIGHT	String (10)	☑
SOFT_TRIAL3_OVERREF_CYLINDER_RIGHT	String (10)	☑
SOFT_TRIAL3_OVERREF_AXIS_RIGHT	String (10)	☑
SOFT_TRIAL3_OVERREF_ADD_RIGHT	String (10)	☑
SOFT_TRIAL3_VA_RIGHT	String (10)	☑
SOFT_TRIAL3_FIT_RIGHT	String (50)	☑

SOFT_TRIAL3_NOTE_RIGHT	String (4000)	☑
SOFT_TRIAL3_BARCODE_LEFT	String (20)	☑
SOFT_TRIAL3_DESCRIPTION_LEFT	String (100)	☑
SOFT_TRIAL3_BASE_CURVE_LEFT	String (10)	☑
SOFT_TRIAL3_DIAMETER_LEFT	String (10)	☑
SOFT_TRIAL3_POWER_SPHERE_LEFT	String (10)	☑
SOFT_TRIAL3_POWER_CYLINDER_LEFT	String (10)	☑
SOFT_TRIAL3_POWER_AXIS_LEFT	String (10)	☑
SOFT_TRIAL3_POWER_ADD_LEFT	String (10)	☑
SOFT_TRIAL3_OVERREF_SPHERE_LEFT	String (10)	☑
SOFT_TRIAL3_OVERREF_CYLINDER_LEFT	String (10)	☑
SOFT_TRIAL3_OVERREF_AXIS_LEFT	String (10)	☑
SOFT_TRIAL3_OVERREF_ADD_LEFT	String (10)	☑
SOFT_TRIAL3_VA_LEFT	String (10)	☑
SOFT_TRIAL3_FIT_LEFT	String (50)	☑
SOFT_TRIAL3_NOTE_LEFT	String (4000)	☑
SOFT_TRIAL4_DATE	Date *yyyy-MM-dd*	☑
SOFT_TRIAL4_OCULAR_DOMINANCE_RIGHT	Boolean	☒
SOFT_TRIAL4_OCULAR_DOMINANCE_LEFT	Boolean	☒
SOFT_TRIAL4_BARCODE_RIGHT	String (20)	☑
SOFT_TRIAL4_DESCRIPTION_RIGHT	String (100)	☑
SOFT_TRIAL4_BASE_CURVE_RIGHT	String (10)	☑
SOFT_TRIAL4_DIAMETER_RIGHT	String (10)	☑
SOFT_TRIAL4_POWER_SPHERE_RIGHT	String (10)	☑
SOFT_TRIAL4_POWER_CYLINDER_RIGHT	String (10)	☑
SOFT_TRIAL4_POWER_AXIS_RIGHT	String (10)	☑
SOFT_TRIAL4_POWER_ADD_RIGHT	String (10)	☑
SOFT_TRIAL4_OVERREF_SPHERE_RIGHT	String (10)	☑
SOFT_TRIAL4_OVERREF_CYLINDER_RIGHT	String (10)	☑
SOFT_TRIAL4_OVERREF_AXIS_RIGHT	String (10)	☑
SOFT_TRIAL4_OVERREF_ADD_RIGHT	String (10)	☑
SOFT_TRIAL4_VA_RIGHT	String (10)	☑
SOFT_TRIAL4_FIT_RIGHT	String (50)	☑
SOFT_TRIAL4_NOTE_RIGHT	String (4000)	☑
SOFT_TRIAL4_BARCODE_LEFT	String (20)	☑
SOFT_TRIAL4_DESCRIPTION_LEFT	String (100)	☑
SOFT_TRIAL4_BASE_CURVE_LEFT	String (10)	☑
SOFT_TRIAL4_DIAMETER_LEFT	String (10)	☑
SOFT_TRIAL4_POWER_SPHERE_LEFT	String (10)	☑
SOFT_TRIAL4_POWER_CYLINDER_LEFT	String (10)	☑
SOFT_TRIAL4_POWER_AXIS_LEFT	String (10)	☑
SOFT_TRIAL4_POWER_ADD_LEFT	String (10)	☑
SOFT_TRIAL4_OVERREF_SPHERE_LEFT	String (10)	☑
SOFT_TRIAL4_OVERREF_CYLINDER_LEFT	String (10)	☑
SOFT_TRIAL4_OVERREF_AXIS_LEFT	String (10)	☑
SOFT_TRIAL4_OVERREF_ADD_LEFT	String (10)	☑
SOFT_TRIAL4_VA_LEFT	String (10)	☑
SOFT_TRIAL4_FIT_LEFT	String (50)	☑
SOFT_TRIAL4_NOTE_LEFT	String (4000)	☑
SOFT_FINAL_BARCODE_RIGHT	String (20)	☑
SOFT_FINAL_DESCRIPTION_RIGHT	String (100)	☑
SOFT_FINAL_BASE_CURVE_RIGHT	String (10)	☑
SOFT_FINAL_DIAMETER_RIGHT	String (10)	☑
SOFT_FINAL_POWER_SPHERE_RIGHT	String (10)	☑
SOFT_FINAL_POWER_CYLINDER_RIGHT	String (10)	☑
SOFT_FINAL_POWER_AXIS_RIGHT	String (10)	☑
SOFT_FINAL_POWER_ADD_RIGHT	String (10)	☑

SOFT_FINAL_POWER_DNHML_RIGHT	String (1)	☑
SOFT_FINAL_POWER_MONO_DN_RIGHT	String (1)	☑
SOFT_FINAL_BARCODE_LEFT	String (20)	☑
SOFT_FINAL_DESCRIPTION_LEFT	String (100)	☑
SOFT_FINAL_BASE_CURVE_LEFT	String (10)	☑
SOFT_FINAL_DIAMETER_LEFT	String (10)	☑
SOFT_FINAL_POWER_SPHERE_LEFT	String (10)	☑
SOFT_FINAL_POWER_CYLINDER_LEFT	String (10)	☑
SOFT_FINAL_POWER_AXIS_LEFT	String (10)	☑
SOFT_FINAL_POWER_ADD_LEFT	String (10)	☑
SOFT_FINAL_POWER_DNHML_LEFT	String (1)	☑
SOFT_FINAL_POWER_MONO_DN_LEFT	String (1)	☑
SOFT_FINAL_NOTE	String (4000)	☑
RGP_TRIAL1_DATE	Date *yyyy-MM-dd*	☑
RGP_TRIAL1_DESIGN	String (20)	☑
RGP_TRIAL1_OCULAR_DOMINANCE_RIGHT	Boolean	☒
RGP_TRIAL1_OCULAR_DOMINANCE_LEFT	Boolean	☒
RGP_TRIAL1_BARCODE_RIGHT	String (20)	☑
RGP_TRIAL1_DESCRIPTION_RIGHT	String (100)	☑
RGP_TRIAL1_BASE_CURVE1_RIGHT	String (10)	☑
RGP_TRIAL1_BASE_CURVE2_RIGHT	String (10)	☑
RGP_TRIAL1_BASE_CURVE3_RIGHT	String (10)	☑
RGP_TRIAL1_DIAMETER1_RIGHT	String (10)	☑
RGP_TRIAL1_DIAMETER2_RIGHT	String (10)	☑
RGP_TRIAL1_DIAMETER3_RIGHT	String (10)	☑
RGP_TRIAL1_POWER_SPHERE_RIGHT	String (10)	☑
RGP_TRIAL1_POWER_CYLINDER_RIGHT	String (10)	☑
RGP_TRIAL1_POWER_AXIS_RIGHT	String (10)	☑
RGP_TRIAL1_POWER_ADD_RIGHT	String (10)	☑
RGP_TRIAL1_OVERREF_SPHERE_RIGHT	String (10)	☑
RGP_TRIAL1_OVERREF_CYLINDER_RIGHT	String (10)	☑
RGP_TRIAL1_OVERREF_AXIS_RIGHT	String (10)	☑
RGP_TRIAL1_OVERREF_ADD_RIGHT	String (10)	☑
RGP_TRIAL1_VA_RIGHT	String (15)	☑
RGP_TRIAL1_FIT_RIGHT	String (50)	☑
RGP_TRIAL1_OPTIC_SIZE_RIGHT	String (10)	☑
RGP_TRIAL1_NOTE_RIGHT	String (4000)	☑
RGP_TRIAL1_BARCODE_LEFT	String (20)	☑
RGP_TRIAL1_DESCRIPTION_LEFT	String (100)	☑
RGP_TRIAL1_BASE_CURVE1_LEFT	String (10)	☑
RGP_TRIAL1_BASE_CURVE2_LEFT	String (10)	☑
RGP_TRIAL1_BASE_CURVE3_LEFT	String (10)	☑
RGP_TRIAL1_DIAMETER1_LEFT	String (10)	☑
RGP_TRIAL1_DIAMETER2_LEFT	String (10)	☑
RGP_TRIAL1_DIAMETER3_LEFT	String (10)	☑
RGP_TRIAL1_POWER_SPHERE_LEFT	String (10)	☑
RGP_TRIAL1_POWER_CYLINDER_LEFT	String (10)	☑
RGP_TRIAL1_POWER_AXIS_LEFT	String (10)	☑
RGP_TRIAL1_POWER_ADD_LEFT	String (10)	☑
RGP_TRIAL1_OVERREF_SPHERE_LEFT	String (10)	☑
RGP_TRIAL1_OVERREF_CYLINDER_LEFT	String (10)	☑
RGP_TRIAL1_OVERREF_AXIS_LEFT	String (10)	☑
RGP_TRIAL1_OVERREF_ADD_LEFT	String (10)	☑
RGP_TRIAL1_VA_LEFT	String (15)	☑
RGP_TRIAL1_FIT_LEFT	String (50)	☑
RGP_TRIAL1_OPTIC_SIZE_LEFT	String (10)	☑
RGP_TRIAL1_NOTE_LEFT	String (4000)	☑

RGP_TRIAL2_DATE	Date *yyyy-MM-dd*	☑
RGP_TRIAL2_DESIGN	String (20)	☑
RGP_TRIAL2_OCULAR_DOMINANCE_RIGHT	Boolean	☒
RGP_TRIAL2_OCULAR_DOMINANCE_LEFT	Boolean	☒
RGP_TRIAL2_BARCODE_RIGHT	String (20)	☑
RGP_TRIAL2_DESCRIPTION_RIGHT	String (100)	☑
RGP_TRIAL2_BASE_CURVE1_RIGHT	String (10)	☑
RGP_TRIAL2_BASE_CURVE2_RIGHT	String (10)	☑
RGP_TRIAL2_BASE_CURVE3_RIGHT	String (10)	☑
RGP_TRIAL2_DIAMETER1_RIGHT	String (10)	☑
RGP_TRIAL2_DIAMETER2_RIGHT	String (10)	☑
RGP_TRIAL2_DIAMETER3_RIGHT	String (10)	☑
RGP_TRIAL2_POWER_SPHERE_RIGHT	String (10)	☑
RGP_TRIAL2_POWER_CYLINDER_RIGHT	String (10)	☑
RGP_TRIAL2_POWER_AXIS_RIGHT	String (10)	☑
RGP_TRIAL2_POWER_ADD_RIGHT	String (10)	☑
RGP_TRIAL2_OVERREF_SPHERE_RIGHT	String (10)	☑
RGP_TRIAL2_OVERREF_CYLINDER_RIGHT	String (10)	☑
RGP_TRIAL2_OVERREF_AXIS_RIGHT	String (10)	☑
RGP_TRIAL2_OVERREF_ADD_RIGHT	String (10)	☑
RGP_TRIAL2_VA_RIGHT	String (15)	☑
RGP_TRIAL2_FIT_RIGHT	String (50)	☑
RGP_TRIAL2_OPTIC_SIZE_RIGHT	String (10)	☑
RGP_TRIAL2_NOTE_RIGHT	String (4000)	☑
RGP_TRIAL2_BARCODE_LEFT	String (20)	☑
RGP_TRIAL2_DESCRIPTION_LEFT	String (100)	☑
RGP_TRIAL2_BASE_CURVE1_LEFT	String (10)	☑
RGP_TRIAL2_BASE_CURVE2_LEFT	String (10)	☑
RGP_TRIAL2_BASE_CURVE3_LEFT	String (10)	☑
RGP_TRIAL2_DIAMETER1_LEFT	String (10)	☑
RGP_TRIAL2_DIAMETER2_LEFT	String (10)	☑
RGP_TRIAL2_DIAMETER3_LEFT	String (10)	☑
RGP_TRIAL2_POWER_SPHERE_LEFT	String (10)	☑
RGP_TRIAL2_POWER_CYLINDER_LEFT	String (10)	☑
RGP_TRIAL2_POWER_AXIS_LEFT	String (10)	☑
RGP_TRIAL2_POWER_ADD_LEFT	String (10)	☑
RGP_TRIAL2_OVERREF_SPHERE_LEFT	String (10)	☑
RGP_TRIAL2_OVERREF_CYLINDER_LEFT	String (10)	☑
RGP_TRIAL2_OVERREF_AXIS_LEFT	String (10)	☑
RGP_TRIAL2_OVERREF_ADD_LEFT	String (10)	☑
RGP_TRIAL2_VA_LEFT	String (15)	☑
RGP_TRIAL2_FIT_LEFT	String (50)	☑
RGP_TRIAL2_OPTIC_SIZE_LEFT	String (10)	☑
RGP_TRIAL2_NOTE_LEFT	String (4000)	☑
RGP_TRIAL3_DATE	Date *yyyy-MM-dd*	☑
RGP_TRIAL3_DESIGN	String (20)	☑
RGP_TRIAL3_OCULAR_DOMINANCE_RIGHT	Boolean	☒
RGP_TRIAL3_OCULAR_DOMINANCE_LEFT	Boolean	☒
RGP_TRIAL3_BARCODE_RIGHT	String (20)	☑
RGP_TRIAL3_DESCRIPTION_RIGHT	String (100)	☑
RGP_TRIAL3_BASE_CURVE1_RIGHT	String (10)	☑
RGP_TRIAL3_BASE_CURVE2_RIGHT	String (10)	☑
RGP_TRIAL3_BASE_CURVE3_RIGHT	String (10)	☑
RGP_TRIAL3_DIAMETER1_RIGHT	String (10)	☑
RGP_TRIAL3_DIAMETER2_RIGHT	String (10)	☑
RGP_TRIAL3_DIAMETER3_RIGHT	String (10)	☑
RGP_TRIAL3_POWER_SPHERE_RIGHT	String (10)	☑

RGP_TRIAL3_POWER_CYLINDER_RIGHT	String (10)	☑
RGP_TRIAL3_POWER_AXIS_RIGHT	String (10)	☑
RGP_TRIAL3_POWER_ADD_RIGHT	String (10)	☑
RGP_TRIAL3_OVERREF_SPHERE_RIGHT	String (10)	☑
RGP_TRIAL3_OVERREF_CYLINDER_RIGHT	String (10)	☑
RGP_TRIAL3_OVERREF_AXIS_RIGHT	String (10)	☑
RGP_TRIAL3_OVERREF_ADD_RIGHT	String (10)	☑
RGP_TRIAL3_VA_RIGHT	String (15)	☑
RGP_TRIAL3_FIT_RIGHT	String (50)	☑
RGP_TRIAL3_OPTIC_SIZE_RIGHT	String (10)	☑
RGP_TRIAL3_NOTE_RIGHT	String (4000)	☑
RGP_TRIAL3_BARCODE_LEFT	String (20)	☑
RGP_TRIAL3_DESCRIPTION_LEFT	String (100)	☑
RGP_TRIAL3_BASE_CURVE1_LEFT	String (10)	☑
RGP_TRIAL3_BASE_CURVE2_LEFT	String (10)	☑
RGP_TRIAL3_BASE_CURVE3_LEFT	String (10)	☑
RGP_TRIAL3_DIAMETER1_LEFT	String (10)	☑
RGP_TRIAL3_DIAMETER2_LEFT	String (10)	☑
RGP_TRIAL3_DIAMETER3_LEFT	String (10)	☑
RGP_TRIAL3_POWER_SPHERE_LEFT	String (10)	☑
RGP_TRIAL3_POWER_CYLINDER_LEFT	String (10)	☑
RGP_TRIAL3_POWER_AXIS_LEFT	String (10)	☑
RGP_TRIAL3_POWER_ADD_LEFT	String (10)	☑
RGP_TRIAL3_OVERREF_SPHERE_LEFT	String (10)	☑
RGP_TRIAL3_OVERREF_CYLINDER_LEFT	String (10)	☑
RGP_TRIAL3_OVERREF_AXIS_LEFT	String (10)	☑
RGP_TRIAL3_OVERREF_ADD_LEFT	String (10)	☑
RGP_TRIAL3_VA_LEFT	String (15)	☑
RGP_TRIAL3_FIT_LEFT	String (50)	☑
RGP_TRIAL3_OPTIC_SIZE_LEFT	String (10)	☑
RGP_TRIAL3_NOTE_LEFT	String (4000)	☑
RGP_TRIAL4_DATE	Date *yyyy-MM-dd*	☑
RGP_TRIAL4_DESIGN	String (20)	☑
RGP_TRIAL4_OCULAR_DOMINANCE_RIGHT	Boolean	☒
RGP_TRIAL4_OCULAR_DOMINANCE_LEFT	Boolean	☒
RGP_TRIAL4_BARCODE_RIGHT	String (20)	☑
RGP_TRIAL4_DESCRIPTION_RIGHT	String (100)	☑
RGP_TRIAL4_BASE_CURVE1_RIGHT	String (10)	☑
RGP_TRIAL4_BASE_CURVE2_RIGHT	String (10)	☑
RGP_TRIAL4_BASE_CURVE3_RIGHT	String (10)	☑
RGP_TRIAL4_DIAMETER1_RIGHT	String (10)	☑
RGP_TRIAL4_DIAMETER2_RIGHT	String (10)	☑
RGP_TRIAL4_DIAMETER3_RIGHT	String (10)	☑
RGP_TRIAL4_POWER_SPHERE_RIGHT	String (10)	☑
RGP_TRIAL4_POWER_CYLINDER_RIGHT	String (10)	☑
RGP_TRIAL4_POWER_AXIS_RIGHT	String (10)	☑
RGP_TRIAL4_POWER_ADD_RIGHT	String (10)	☑
RGP_TRIAL4_OVERREF_SPHERE_RIGHT	String (10)	☑
RGP_TRIAL4_OVERREF_CYLINDER_RIGHT	String (10)	☑
RGP_TRIAL4_OVERREF_AXIS_RIGHT	String (10)	☑
RGP_TRIAL4_OVERREF_ADD_RIGHT	String (10)	☑
RGP_TRIAL4_VA_RIGHT	String (15)	☑
RGP_TRIAL4_FIT_RIGHT	String (50)	☑
RGP_TRIAL4_OPTIC_SIZE_RIGHT	String (10)	☑
RGP_TRIAL4_NOTE_RIGHT	String (4000)	☑
RGP_TRIAL4_BARCODE_LEFT	String (20)	☑
RGP_TRIAL4_DESCRIPTION_LEFT	String (100)	☑

RGP_TRIAL4_BASE_CURVE1_LEFT	String (10)	☑
RGP_TRIAL4_BASE_CURVE2_LEFT	String (10)	☑
RGP_TRIAL4_BASE_CURVE3_LEFT	String (10)	☑
RGP_TRIAL4_DIAMETER1_LEFT	String (10)	☑
RGP_TRIAL4_DIAMETER2_LEFT	String (10)	☑
RGP_TRIAL4_DIAMETER3_LEFT	String (10)	☑
RGP_TRIAL4_POWER_SPHERE_LEFT	String (10)	☑
RGP_TRIAL4_POWER_CYLINDER_LEFT	String (10)	☑
RGP_TRIAL4_POWER_AXIS_LEFT	String (10)	☑
RGP_TRIAL4_POWER_ADD_LEFT	String (10)	☑
RGP_TRIAL4_OVERREF_SPHERE_LEFT	String (10)	☑
RGP_TRIAL4_OVERREF_CYLINDER_LEFT	String (10)	☑
RGP_TRIAL4_OVERREF_AXIS_LEFT	String (10)	☑
RGP_TRIAL4_OVERREF_ADD_LEFT	String (10)	☑
RGP_TRIAL4_VA_LEFT	String (15)	☑
RGP_TRIAL4_FIT_LEFT	String (50)	☑
RGP_TRIAL4_OPTIC_SIZE_LEFT	String (10)	☑
RGP_TRIAL4_NOTE_LEFT	String (4000)	☑
RGP_FINAL_DESIGN	String (20)	☑
RGP_FINAL_MATERIAL	String (20)	☑
RGP_FINAL_TINT_RIGHT	String (20)	☑
RGP_FINAL_BARCODE_RIGHT	String (20)	☑
RGP_FINAL_DESCRIPTION_RIGHT	String (100)	☑
RGP_FINAL_BASE_CURVE1_RIGHT	String (10)	☑
RGP_FINAL_BASE_CURVE2_RIGHT	String (10)	☑
RGP_FINAL_BASE_CURVE3_RIGHT	String (10)	☑
RGP_FINAL_DIAMETER1_RIGHT	String (10)	☑
RGP_FINAL_DIAMETER2_RIGHT	String (10)	☑
RGP_FINAL_DIAMETER3_RIGHT	String (10)	☑
RGP_FINAL_POWER_SPHERE1_RIGHT	String (10)	☑
RGP_FINAL_POWER_SPHERE2_RIGHT	String (10)	☑
RGP_FINAL_POWER_CYLINDER_RIGHT	String (10)	☑
RGP_FINAL_POWER_AXIS_RIGHT	String (10)	☑
RGP_FINAL_POWER_ADD_RIGHT	String (10)	☑
RGP_FINAL_POWER_DNHML_RIGHT	String (1)	☑
RGP_FINAL_OPTIC_SIZE_RIGHT	String (10)	☑
RGP_FINAL_TOTAL_DIAM_RIGHT	Double	☑
RGP_FINAL_NOTE	String (4000)	☑
RGP_FINAL_TINT_LEFT	String (20)	☑
RGP_FINAL_BARCODE_LEFT	String (20)	☑
RGP_FINAL_DESCRIPTION_LEFT	String (100)	☑
RGP_FINAL_BASE_CURVE1_LEFT	String (10)	☑
RGP_FINAL_BASE_CURVE2_LEFT	String (10)	☑
RGP_FINAL_BASE_CURVE3_LEFT	String (10)	☑
RGP_FINAL_DIAMETER1_LEFT	String (10)	☑
RGP_FINAL_DIAMETER2_LEFT	String (10)	☑
RGP_FINAL_DIAMETER3_LEFT	String (10)	☑
RGP_FINAL_POWER_SPHERE1_LEFT	String (10)	☑
RGP_FINAL_POWER_SPHERE2_LEFT	String (10)	☑
RGP_FINAL_POWER_CYLINDER_LEFT	String (10)	☑
RGP_FINAL_POWER_AXIS_LEFT	String (10)	☑
RGP_FINAL_POWER_ADD_LEFT	String (10)	☑
RGP_FINAL_POWER_DNHML_LEFT	String (1)	☑
RGP_FINAL_OPTIC_SIZE_LEFT	String (10)	☑
RGP_FINAL_TOTAL_DIAM_LEFT	Double	☑
EXISTING_RX_DOMINANCE_RIGHT	Boolean	☒
EXISTING_RX_DOMINANCE_LEFT	Boolean	☒

EXISTING_RX_BARCODE_RIGHT	String (20)	☑
EXISTING_RX_DESCRIPTION_RIGHT	String (100)	☑
EXISTING_RX_BASE_CURVE1_RIGHT	String (10)	☑
EXISTING_RX_BASE_CURVE2_RIGHT	String (10)	☑
EXISTING_RX_BASE_CURVE3_RIGHT	String (10)	☑
EXISTING_RX_DIAMETER1_RIGHT	String (10)	☑
EXISTING_RX_DIAMETER2_RIGHT	String (10)	☑
EXISTING_RX_DIAMETER3_RIGHT	String (10)	☑
EXISTING_RX_POWER_SPHERE1_RIGHT	String (10)	☑
EXISTING_RX_POWER_SPHERE2_RIGHT	String (10)	☑
EXISTING_RX_POWER_CYLINDER_RIGHT	String (10)	☑
EXISTING_RX_POWER_AXIS_RIGHT	String (10)	☑
EXISTING_RX_POWER_ADD_RIGHT	String (10)	☑
EXISTING_RX_OPTIC_SIZE_RIGHT	String (10)	☑
EXISTING_RX_POWER_DNHML_RIGHT	String (1)	☑
EXISTING_RX_POWER_MONO_DN_RIGHT	String (1)	☑
EXISTING_RX_BARCODE_LEFT	Boolean	☒
EXISTING_RX_DESCRIPTION_LEFT	Boolean	☒
EXISTING_RX_BASE_CURVE1_LEFT	String (20)	☑
EXISTING_RX_BASE_CURVE2_LEFT	String (100)	☑
EXISTING_RX_BASE_CURVE3_LEFT	String (10)	☑
EXISTING_RX_DIAMETER1_LEFT	String (10)	☑
EXISTING_RX_DIAMETER2_LEFT	String (10)	☑
EXISTING_RX_DIAMETER3_LEFT	String (10)	☑
EXISTING_RX_POWER_SPHERE1_LEFT	String (10)	☑
EXISTING_RX_POWER_SPHERE2_LEFT	String (10)	☑
EXISTING_RX_POWER_CYLINDER_LEFT	String (10)	☑
EXISTING_RX_POWER_AXIS_LEFT	String (10)	☑
EXISTING_RX_POWER_ADD_LEFT	String (10)	☑
EXISTING_RX_OPTIC_SIZE_LEFT	String (10)	☑
EXISTING_RX_POWER_DNHML_LEFT	String (10)	☑
EXISTING_RX_POWER_MONO_DN_LEFT	String (10)	☑
EXISTING_RX_SOLUTION	String (4000)	☑
EXISTING_RX_NOTE	String (4000)	☑
WEARING_TIME_HOURS	Double	☑
WEARING_TIME_DAY	Double	☑
WEARING_TIME_NIGHT	Double	☑
WEARING_COMFORT	String (60)	☑
WEARING_COMMENT	String (4000)	☑
WEARING_DISTANCE_VA_RIGHT	String (15)	☑
WEARING_NEAR_VA_RIGHT	String (15)	☑
WEARING_OVERREF_SPHERE_RIGHT	String (10)	☑
WEARING_OVERREF_CYLINDER_RIGHT	String (10)	☑
WEARING_OVERREF_AXIS_RIGHT	String (10)	☑
WEARING_OVERREF_ADD_RIGHT	String (10)	☑
WEARING_OVERREF_FINAL_VA_RIGHT	String (15)	☑
WEARING_OVERREF_FIT_RIGHT	String (100)	☑
WEARING_NOTE_RIGHT	String (4000)	☑
WEARING_DISTANCE_VA_LEFT	String (15)	☑
WEARING_NEAR_VA_LEFT	String (15)	☑
WEARING_OVERREF_SPHERE_LEFT	String (10)	☑
WEARING_OVERREF_CYLINDER_LEFT	String (10)	☑
WEARING_OVERREF_AXIS_LEFT	String (10)	☑
WEARING_OVERREF_ADD_LEFT	String (10)	☑
WEARING_OVERREF_FINAL_VA_LEFT	String (15)	☑
WEARING_OVERREF_FIT_LEFT	String (100)	☑
WEARING_NOTE_LEFT	String (4000)	☑

NEW_RX_DOMINANCE_RIGHT	Boolean	☒
NEW_RX_DOMINANCE_LEFT	Boolean	☒
NEW_RX_BARCODE_RIGHT	String (20)	☑
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>
    <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.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="cc7b13ffcd2ddd51" 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.ssdl|res://*/Model
s.OptomateTouchModel.msl;provider=System.Data.SqlClient;provider connection string=&amp;quot;data source=localhost;initial
catalog=Optomate;persist security info=True;user
id=OptomateApiService;password=******;MultipleActiveResultSets=True;App=EntityFramework&amp;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="10000000" 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" />
```

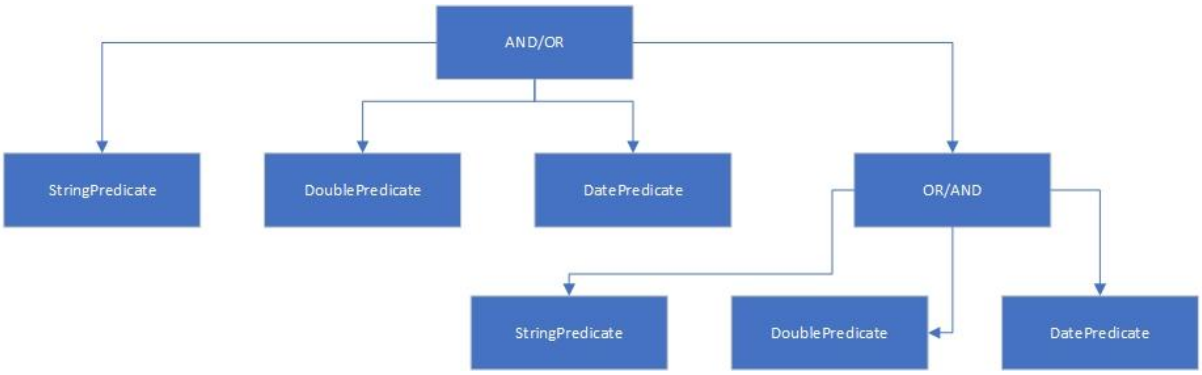
```
      <bindingRedirect oldVersion="0.0.0.0-4.1.0.0" newVersion="4.1.0.0" />
    </dependentAssembly>
    <dependentAssembly>
      <assemblyIdentity name="System.Data.Common" publicKeyToken="B03F5F7F11D50A3A" culture="neutral" />
      <bindingRedirect oldVersion="0.0.0.0-4.2.0.0" newVersion="4.2.0.0" />
    </dependentAssembly>
    <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="cc7b13ffcd2ddd51" 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.ssdl|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=******;multipleactiveresultsets=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;csharp" 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=\&quot;Web\&quot; /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 (propery3 equals “Val3” AND property4 equals “Val4”)

Input

Name	Type	Null
Search	Record (Search Parameter)	☑

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)	☑
Or	Collection (Or Predicate)	☑

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:

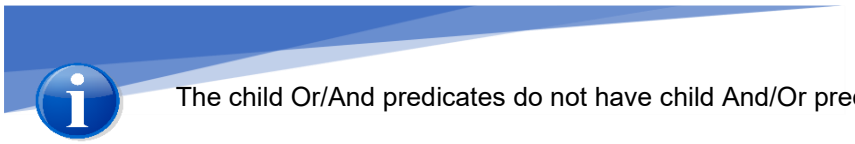
Name	Type	Null
PropertyName	String	☑
StringPredicate	Record (String Predicate)	☑
DoublePredicate	Record (Double Predicate)	☑
DatePredicate	Record (Date Predicate)	☑
Or	Collection (child Or Predicate)	☑

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	☑
StringPredicate	Record (String Predicate)	☑
DoublePredicate	Record (Double Predicate)	☑
DatePredicate	Record (Date Predicate)	☑
And	Collection (child And Predicate)	☑



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	☑
ContainsVal	String	☑
InVals	Collection (String)	☑

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	☑
InVals	Collection (Double)	☑

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	☑
GreaterOrEqualVal	Date	☑
LessOrEqualVal	Date	☑

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" }
                        }]
                }]
        }
}
```