Technical Specification

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**Booking Application V2**

*<Update to reflect the application name>*

##### Document Version: 1.0

*<Update to reflect the document version, not the template version.>*

**Current Version Date: 11/05/2023**

*<Version Created date>*

Revision History

*<Add details for the current version at the top so the users can easily see the changes>*

|  |  |  |
| --- | --- | --- |
| **Date** | **Version** | **Description** |
| 05/20/2023 | 1.2 | Updates to <servicename> to support <project name> |
| 05/15/2023 | 1.1 | Included use model for <servicename>  Added a new service <servicename> to support <project name> Additional fault code <fault code> added |
| 05/10/2023 | 1.0 | Initial Draft Created - Ade |

**Table of contents**

1. [**Introduction 4**](#_heading=h.gjdgxs)
   1. [Purpose 4](#_heading=h.30j0zll)
   2. [Related Documents 4](#_heading=h.1fob9te)
   3. [Reference Documents 4](#_heading=h.3znysh7)
2. [**Document Release Notes 5**](#_heading=h.2et92p0)
   1. [Version x.x 5](#_heading=h.tyjcwt)
3. [**Consolidated List of Supported Artifacts 5**](#_heading=h.3dy6vkm)
4. [**Services 6**](#_heading=h.1t3h5sf)
   1. [Service Description: <Example:EIM RT Interchange Schedule Data> 6](#_heading=h.4d34og8)
      1. [Operation Details 6](#_heading=h.2s8eyo1)
      2. [Certificate Roles Requirement 6](#_heading=h.lnxbz9)
      3. [Use Model 7](#_heading=h.17dp8vu)
      4. [Element Table 7](#_heading=h.3rdcrjn)
5. [**Fault Return Codes 9**](#_heading=h.26in1rg)

# Introduction

## Purpose

###### The purpose of this document is to capture the information a developer would need to complete interface development. This document establishes a basis for initiation and development of the services.

###### The technical specifications capture the service information, element description, formatting conditions of the data that is essential for the development of interfaces.

## Related Documents

###### For more information on current or past project initiative releases that impacted the technical specification, please refer to <<Link>>

## Reference Documents

###### Please refer to the following specifications and documents for help with developing the interface.

|  |  |
| --- | --- |
| Document Name | Document Link/ Details |
| Design Specification |  |
| GHL Flow |  |
| Technical documents |  |
| AWS Deployment |  |
| New Front Desk (FD) Master credential spreadsheet |  |
| Booking Page V2 Testing |  |
| Booking Page V2 - Workflow |  |

# Booking Application Workflow Design

### Version 2.0 Scope

###### This section V2.0 incorporates several functional requirements to enhance the Booking page cababilities -

|  |  |  |
| --- | --- | --- |
| FR1 | Common Personal Details Page | Implement a shared personal details page that caters to both new appointments and follow-up appointments |
| FR2 | Upcoming Appointment Details View | Include a dedicated section on the follow-up page to display upcoming appointment details for easy reference. |
| FR3 | Cancel Upcoming Appointment | Provide functionality to cancel upcoming appointments directly from the application.  Based On tech Synch-Up 06/01   * Temporarily hide the cancel button for upcoming appointments.   + Since this is necessary to handle cancellation charges appropriately, particularly for appointments canceled within 48 hours.   + Also, ensure proper communication with the patient regarding the cancellation, including sending an SMS notification. |
| FR4 | Error Handling | Implement robust error-handling mechanisms to gracefully handle any unexpected errors or exceptions that may occur during the application's usage |
| FR5 | Timezone for US Only | Ensure that the application supports and displays time zones specifically for the United States, catering to the relevant user base. |
| FR6 | Navigation Between Pages | Enhance the user experience by incorporating intuitive navigation features, allowing seamless movement between different pages within the application. |
| FR7 | Duplicated Contact Numbers | [Tech Synch Up 06/01] –To avoid overwriting of patient data in GHL, we will implement a notification system that alerts users when a duplicated contact number/Email is detected.This will prompt them to take appropriate action like a message will be displayed, directing users to contact the help desk for further assistance. |
| FR8 | Customized tags into GHL | [Tech Synch Up 06/01]Implementing different tags to easily distinguish between new and existing patients during the booking process. This will help streamline the GHL workflow. |
| FR9 | Follow-Up Appointment - | [Tech Synch Up 06/12] |
| FR10 | Verification for New booking | For new bookings, the minimum lead time should be set to greater than 48 hours to allow sufficient time for scheduling and preparations. |

### Design Flow Diagram

### 

### User Interface and General Design Statements

###### This section includes information related to the visual design, layout, and usability of the user interface (UI) of a software application or system.

https://docs.google.com/document/d/10sPgFw1dwGoFqINMAd8xMOw5Y\_51j3yUFddggwpjz8o/edit?usp=drive\_link

# Consolidated List of Supported Artifacts

###### This section includes artifacts such as software libraries, frameworks, modules, plugins, hardware devices, or any other components that are integral to the functioning of the application or platform

|  |  |
| --- | --- |
| **Data Set** | **Supported Service Versions** |
|  |  |
|  |  |
|  |  |

# Features / Functionality

* 1. ***Service Description:*** *Book An Appointment*

*<This section will repeat for all functions that are used in this application>*

###### The following sections are relevant for both RPC and Doc Attach service types.

#### Upcoming Appointment:

###### <<Function description>>

|  |  |  |
| --- | --- | --- |
| Function Name: index.js | Description: | |
| Attribute |  |  |
|  |  |  |

#### <GHL Tags>

###### This section should provide a matrix for the different roles that can access this particular service.

|  |  |  |
| --- | --- | --- |
| Function Name: | Description: | |
| Attribute |  |  |
|  |  |  |

#### <AMD API >

###### This section should provide a matrix for the different roles that can access this particular service.

|  |  |  |
| --- | --- | --- |
| Function Name: | Description: | |
| Attribute |  |  |
|  |  |  |

#### AWS Cloud Watch / Infrastructure Deployment

###### This section should provide a matrix for the different roles that can access this particular service.

*<In this section, provide details around the roles that can use the service being discussed> Example:*

|  |  |  |
| --- | --- | --- |
| Certificate Role Name | AIM Display Role Name | Role Details |
| App\_sibr\_write\_ext:<SC or Access Groups> | SIBR Read/Write | This role can use this service to submit data to SIBR |
|  |  |  |

#### AMD APIs

*<In this section, provide details on how the service is expected to be used, for submit service how often is the data required to be submitted, what type of data should be submitted, how the data should be submitted*

*For the request services this should include any limitation such as time frame of request, how a request should be executed*

*Acceptable Use Policy should be included in this section>*

*Example:*

|  |  |
| --- | --- |
| **ID#** | **Use Model Description** |
| 001 | The data set should be submitted in a rolling interval basis |
| 002 | If changes occur within the data only the incremental information should be submitted |
| 003 | The file attachment shall not exceed 15 MB |

#### GHL Tags

*<The element column below should be automatically generated from the XSD. Add the “Application Specific Comments” column to the right and populate with details only for those elements that have specific usage.>*

###### The table below describes any application specific logic that is validated for the elements in the service artifact.

|  |  |
| --- | --- |
| **Element** | **Application Specific Comments** |
| *Example:*  TimeDate | *Example:* |
| Source |  |
| Version | Date reflecting the release this latest version update was related to.  Valid value is: **v20171001** |
| **MessagePayload** | |
| **MessagePayload.MeterMeasurementData** | |

# Validation & Return Codes

###### This section describes the Error codes that are returned for any service requests that do not pass all the validation rules.

*<The table below should list all the possible Error codes that the API can encounter while interfacing with the application>*

|  |  |  |
| --- | --- | --- |
| **Error Code** | **Error Message** | **Validation Rules** |
| 1000 | Invalid First Name | * Length: Minimum of 2 characters and a maximum of 50 characters * Character Only |
| 1015 | Invalid Last Name | * Length: Minimum of 2 characters and a maximum of 50 characters * Character Only |
| 1029 | Invalid Contact Number | * Length: A mobile number typically consists of 10 digits. * Format: The format of a mobile number varies depending on the country. You can use regular expressions to validate the format of the mobile number. Formatted as (123) 456-7890. * Country code: The country code for the United States is +1.   Validate that the country code is correct.   * Numeric characters: Mobile numbers consist of only numeric characters. |
|  | Invalid Date of Birth | * The date of birth must be in a valid format, such as DD/MM/YYYY. * The year must be a four-digit number and within a certain range, such as 1900 to the current year. * The month must be a number between 1 and 12. * The day must be a valid number based on the month and year, such as 30 days for April or June, and must not exceed the maximum number of days in the month. * The date of birth must not be in the future. * The date of birth must not be too far in the past, depending on the requirements of the application or system. |
|  | Invalid Email Address | * The email address must contain the "@" symbol and at least one period (".") after the "@" symbol. * The "@" symbol cannot be the first or last character in the email address. * The email address cannot contain spaces or special characters other than period (".") and hyphen ("-"). * The domain name in the email address (the part after the "@" symbol) must contain at least one period and cannot contain spaces or special characters. * The email address cannot exceed a certain length (usually 255 characters). * The email address must be unique (i.e., not already registered by another user in the system). |
|  |  |  |