



# ONE STOP SOLUTION FOR MEDICAL TOURISM

## Business Requirements Document

### V1.0

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# Introduction

## 1.1 Purpose of this document

This document is aimed at:

- Providing the necessary inputs to the detailed requirements gathering phase and further on for the SDLC processes.
- This document also serves to establish the traceability between the Business Objectives and the requirements identified in the proposed solution and how they satisfy the stated objectives.
- Provide expectation traceability in terms of the requirements and the user expectation
- Serves as a formal template for documenting the Business Requirements which also includes statutory and regulatory requirements.

The purpose of this document is to systematically capture requirements for the project and the system to be developed. Functional requirements are captured in this document. It also serves as the input for the project scoping.

## 1.2 Project Overview

### 1.2.1 Objectives

Below are the objectives that shall be fulfilled post the execution of this project:

- Super Admin Login Credential Authentication
- Hospital registration & credential authentication
- Hospital Specialties Updation and Releasing Schedules.
- User Registration
- User Booking Appointment
- Generating Treatment Report by Hospital
- Accessing Treatment Report by User

## 1.3 Intended Audience

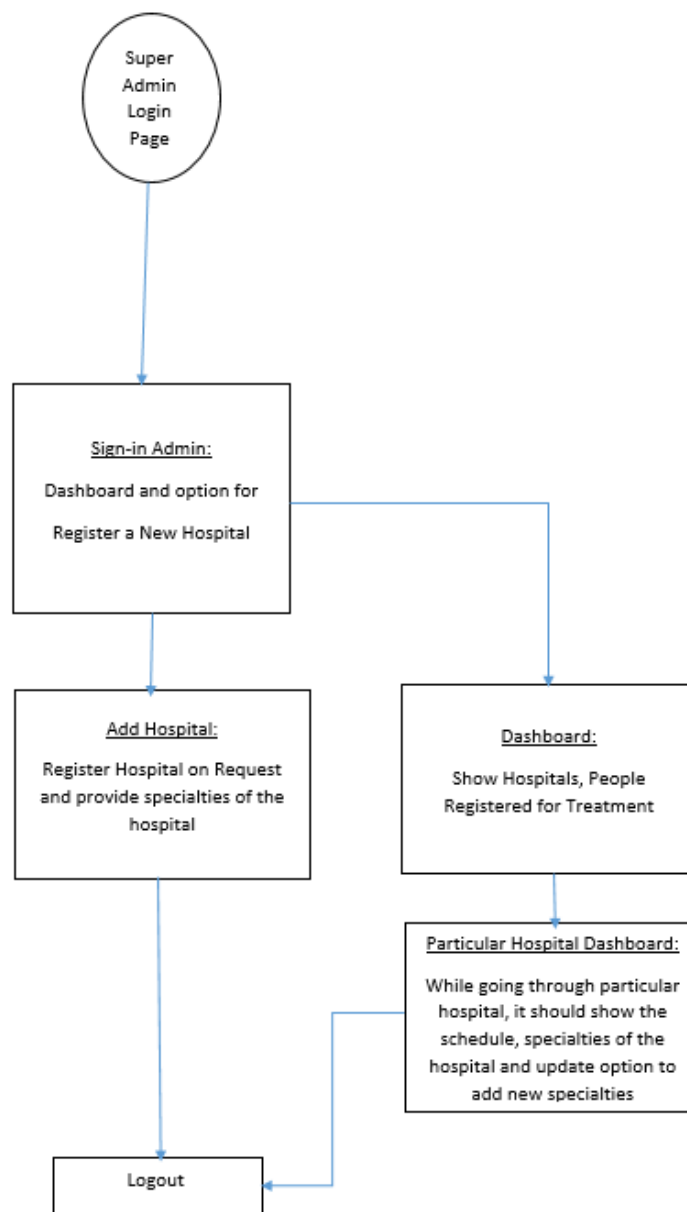
- All members of the project.

- Delivery assurance/excellence group

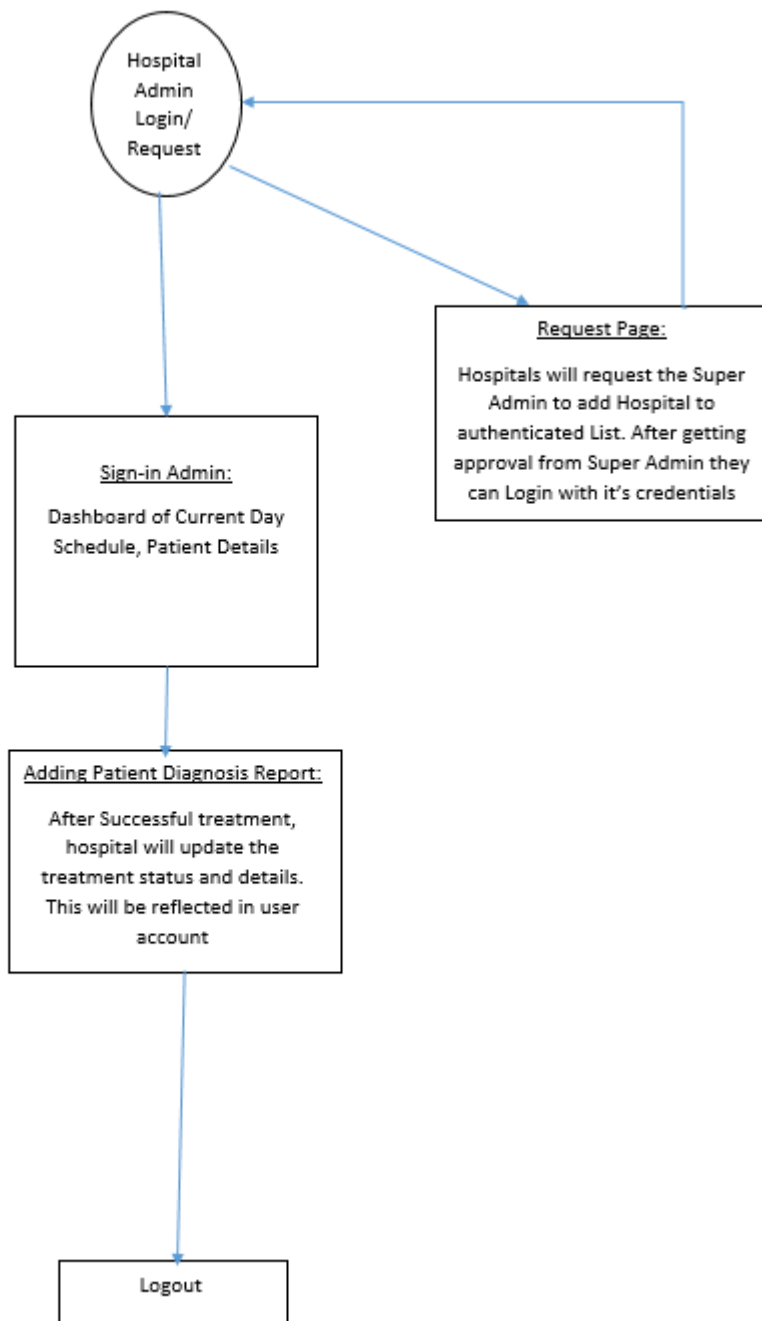
## 2.0 Process Architecture

Below is the overall functional flow of the project including the components of interaction

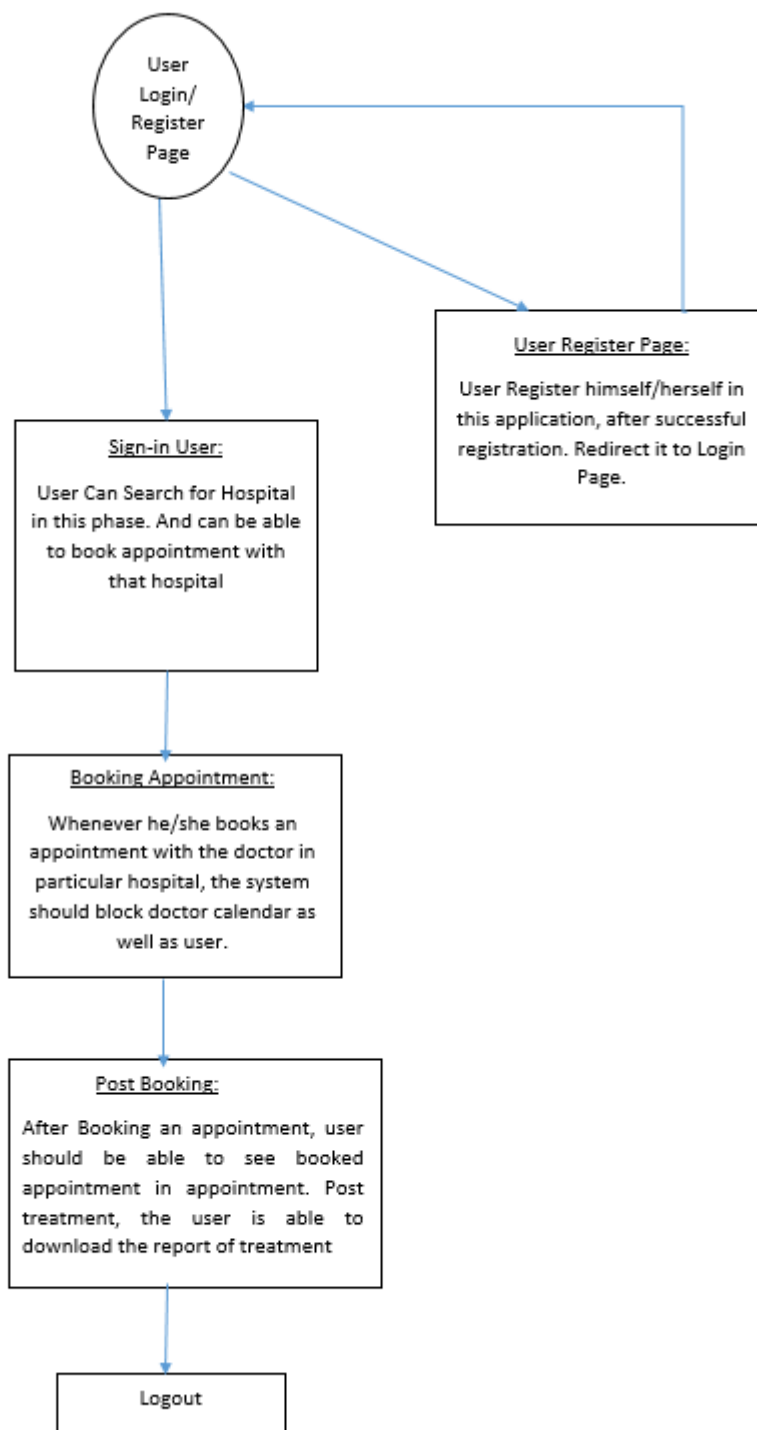
For Super Admin:



For Hospital Admin:



For User:



## 3.0 High Level Business Requirements

Note - Primary focus is to complete developing the critical requirements (highlighted in Yellow) and then to proceed with the remaining requirements.

S.No.	Business Requirement ID	Short Description	Description in detail	Interacting Business Processes
1	Req_1	Super Admin Authentication	Ability of the system to Authenticate Super Admin and then giving rights to access Dashboard	
2	Req_2	Hospitals Requesting Admin	Ability of the system to send the request by hospitals to Super Admin to Register	
3	Req_3	Hospital Registration by Super Admin	Ability of the system to Register the requested Hospital by Super Admin and its specialties	
4	Req_4	User Registration	Ability of the system to allow the user to register himself/herself	
5	Req_5	User Authentication	Ability of the system to Authenticate the user to login to the system	
6	Req_6	Hospital Releasing Schedule	Ability of the system to Release the Doctors' Schedules	
7	Req_7	User Searching Hospital	Ability of the system to search the hospital as per the requirements given by user	
8	Req_8	Booking an Appointment with Hospital	Ability of the system to allow the user to book the appointment with the particular Doctor in the hospital, If the user wish to book. And Block the Calendar of the Doctor	
9	Req_9	Generating Treatment Report and Mapping to Particular User	After Having Successful Treatment. Hospital is able to Generate the Treatment Report and map the same to user to download it for reference..	
10	Req_10	Log off	Ability of the system to allow Admin / Hospital / User to log off.	

## 4.0 Detailed Business Requirements

### 4.1 Functional Requirements

The functional requirements are charted for each of the high level requirements called out in the earlier section:

Additionally, the following elements are captured for each business requirement in the table provided below:-

\* Req. Type = (F Core Functionality, E Exception, UI User Interface, R Reporting)

\*\* Priority of Requirement = (1=Base Functionality, 2=Advanced Functionality,  
3=Additional Opportunities)

\*\* Originator = (Name of the business process of the system/ department or function  
name in the customer organization)

The Requirements in this document are prioritized as follows:

Value	Rating	Description
1	Critical	This requirement is critical to the success of the project. The project will not be possible without this requirement.
2	High	This requirement is high priority, but the project can be implemented at a bare minimum without this requirement.
3	Medium	This requirement is somewhat important, as it provides some value but the project can proceed without it.
4	Low	This is a low priority requirement, or a "nice to have" feature, if time and cost allow it.
5	Future	This requirement is out of scope for this project, and has been included here for a possible future release.



Req. #	Rationale Categorization	Business Requirement	Req. Type *	Priority **	Originator ***	BR Traced to Business Requirement / Use case ID	Remarks
Req_1.1	Super Admin Authentication	When the Super admin clicks on the admin login link, it should re-direct to admin login form.	UI	Critical	NA	Req_1	
Req_1.2	Super Admin Authentication	Super Admin needs fill following fields : ID, Password to get authenticated	UI	Critical	NA	Req_1	Please refer to Table 1.0 under References
Req_1.3	Super Admin Authentication	Clicking 'Login' should validate the datatype constraints for each field	F	Critical	NA	Req_1	
Req_1.4	Super Admin Authentication	User failing to provide information on the mandatory fields be provided with an alert message – 'Please update the highlighted mandatory field(s).' Also, highlight the missed out field in red	E	Medium	NA	Req_1	
Req_1.5	Super Admin Authentication	Post-successful field level validation, authenticate credential from the database	F	Critical	NA	Req_1	
Req_1.6	Super Admin Authentication	Upon Successful Authentication Super Admin Dashboard should be displayed	UI	Critical	NA	Req_1	
Req_2.1	Hospital Addition Request	When Hospital click on Register Hospital it should redirect to Hospital Registration Form	UI	Critical	NA	Req_2	

Req. #	Rationale Categorization	Business Requirement	Req. Type *	Priority **	Originator ***	BR Traced to Business Requirement / Use case ID	Remarks
Req_2.2	Hospital Addition Request	Hospital Admin need to fill following fields in form : Hospital name, Hospital Address, Certification, Successful operations, Achievements	UI	Critical	NA	Req_2	Please refer to Table 2.0 under References
Req_2.3	Hospital Addition Request	Clicking 'Submit' should validate the datatype constraints for each field	F	Critical	NA	Req_2	
Req_2.4	Hospital Addition Request	User failing to provide information on the mandatory fields be provided with an alert message – 'Please update the highlighted mandatory field(s).' Also, highlight the missed out field in red	E	Medium	NA	Req_2	
Req_2.5	Hospital Addition Request	Post-successful field level validation, save the information in the database and send approval request to Super Admin	F	Critical	NA	Req_2	
Req_2.6	Hospital Addition Request	Upon saving the information in the database, display the message 'Your details are submitted successfully'.	E	Medium	NA	Req_2	
Req_3.1	User Registration	When the user clicks on the registration link, it should re-direct to registration form	UI	Critical	NA	Req_3	
Req_3.2	User Registration	User needs to fill some basic field mentioned below: First Name, Last Name, gender, username, Email, Phone no, Password, address	UI	Critical	NA	Req_3	Please refer to Table 3.0 under References
Req_3.3	User Registration	User able to register for the pass based on his route requirement and schedule and type of pass	F	Critical	NA	Req_3	
Req_3.4	User Registration	Clicking "Submit" button should validate the data constraints for inserted data	F	Critical	NA	Req_3	
Req_3.5	User Registration	If any mandatory field left blank, an alert should be shown highlighting the required field	E	Medium	NA	Req_3	
Req_3.6	User Registration	After successful validation save information into database	F	Critical	NA	Req_3	
Req_3.7	User Registration	In case any database error, a message should be displayed stating the same	E	Medium	NA	Req_3	

Req. #	Rationale Categorization	Business Requirement	Req. Type *	Priority **	Originator ***	BR Traced to Business Requirement / Use case ID	Remarks
Req_4.1	User Authentication	Registered User should be redirected to login form on clicking login bottom	F	Critical	NA	Req_4	
Req_4.2	User Authentication	Registered user needs to fill following fields: use rid / email and Password	F	Critical	NA	Req_4	Please refer to Table 1.0 under References
Req_4.3	User Authentication	On Clicking Login user credentials should be authenticated and home page should be displayed	F	Critical	NA	Req_4	
Req_5.1	Hospital Registration by Super Admin	After super Admin click on notification List of all hospital request should be displayed and super admin can accept or decline it	F	Critical	NA	Req_5	
Req_6.1	Hospital Releasing Schedule	Hospital Admin Should Release weekly schedule of doctors	F	High	NA	Req_6	
Req_7.1	User Searching Hospital	On Clicking search bar User Should be able to search for hospital and after clicking on hospital name Appointment Booking page should open	F	Critical	NA	Req_7	
Req_7.2	User Searching Hospital	Filter Should be provided for searching of hospital like filter on basis of : specialty, location	F	Future	NA	Req_7	
Req_8.1	Booking an Appointment with Hospital	User Should be able to book an appointment with particular doctor	F	Critical	NA	Req_8	
Req_8.2	Booking an Appointment with Hospital	After appointment doctor's Calendar Should be Blocked for that particular schedule	F	Critical	NA	Req_8	
Req_9.1	Generating Treatment Report and Mapping to Particular User	Doctor Should be able create an report for the patient and save it in database which include: Disease, Prescription Provided, Date and time, Patient Name , Unique Id, Doctor Id , Doctor Name, Department	F	Critical	NA	Req_9	Please refer to Table 4.0 under References
Req_9.2	Generating Treatment Report and Mapping to Particular User	User Should be able to download his/her treatment reports for further reference	F	Critical	NA	Req_9	

Req. #	Rationale Categorization	Business Requirement	Req. Type *	Priority **	Originator ***	BR Traced to Business Requirement / Use case ID	Remarks
Req_9.3	Generating Treatment Report and Mapping to Particular User	Different downloading formats should be provided for reports	R	Future	NA	Req_9	

## 5.0 References

### 5.1 Table 1.0

Field Name	Field Type	Data Type	Mandatory	Possible Values
User ID	Text(15)	Alphanumeric	Yes	
Password	Text(20)	Alphanumeric	Yes	
Email	Text(50)	Alphanumeric	Yes	
Contact Number	Text(10)	Numeric	No	

### 5.2 Table 2.0

Field Name	Field Type	Data Type	Mandatory	Possible Values
Hospital_Id	Auto-generated(5)	Numeric	Yes	Non-editable text
Hospital Name	Text(50)	Alphanumeric	Yes	
Addr line 2	Text(50)	Alphanumeric	Yes	
Addr line 2	Text(50)	Alphanumeric	No	
City	Text(50)	Alphabetic	Yes	Drop down based on the Pin
State	Text(50)	Alphabetic	Yes	Auto populate based on the state

Pin	Numeric(6)	Numeric	Yes	
Certifications	Drop Down	NA	Yes	6-120
Successful Operations	Drop Down	NA		Male, Female
Achievements	Text(10)	Numeric	No	

### 5.3 Table 3.0

Field Name	Field Type	Data Type	Mandatory	Possible Values
User Id	Auto-generated(5)	Numeric	Yes	Non-editable text
First Name	Text(50)	Alphabetic	Yes	
Last Name	Text(50)	Alphabetic	Yes	
Age	Drop Down	NA	Yes	6-120
Gender	Drop Down	NA		Male, Female
Contact Number	Text(10)	Numeric	No	
Address	Scrolling text box(100)	Alphanumeric	No	
City	Text(50)	Alphabetic	Yes	
Zip Code	Text(10)	Numeric	Yes	

### 5.4 Table 4.0

Field Name	Field Type	Data Type	Mandatory	Possible Values
Patient_Id	Foreign key from user table	Numeric	Yes	Non-editable text
Disease	Text(50)	Alphabetic	Yes	
Prescription Provided	Text(500)	Alphabetic	Yes	
Doctor Id	Foreign key from Doctor Hospital table	Integer	Yes	
Date & Time	Text(50)	Alphanumeric	Yes	

### 5.5 Table 5.0

Field Name	Field Type	Data Type	Mandatory	Possible Values
City	Text(50)	Alphabetic	Yes	
State	Text(50)	Alphabetic	Yes	
Zip	Numeric(6)	Numeric	Yes	

## 6.0 Terms & Conditions

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## 7.0 Change Log

Version Number	Changes Made			
V1.0.0	Initial baseline created on <dd-Mon-yy> by <Name of Author>			
Vx.y.z	<Please refer the configuration control tool / change item status form if the details of changes are maintained separately. If not, the template given below needs to be followed>			
	Section No.	Changed By	Effective Date	Changes Effectuated