



# Medicine Monitoring System

## Business Requirements Document

### V1.0

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# 1.0 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:

Medicine Monitoring system will create and store information of Branch Admin and Medicines. Stores the information on the request for Medicine and the stock details.

- Create Branch Admin information
- Maintain Branch Admin information
- Create and maintain Medicines information
- Updating the status of request for medicine
- Storing the requests raised by branch admin and the response from the admin
- Storing stock details of medicines

## 1.3 Intended Audience

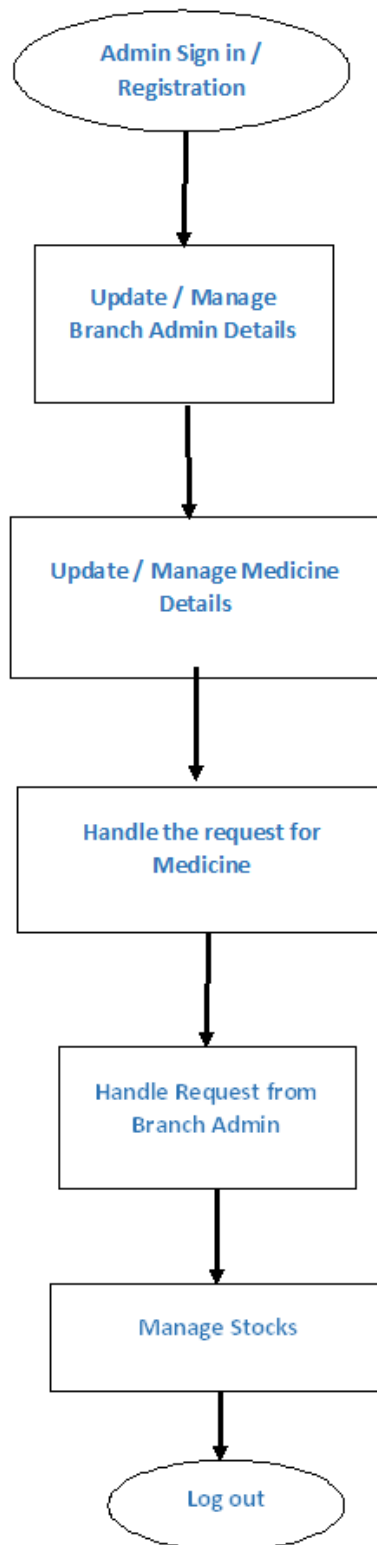
- All member of the project.
- Delivery Assurance Group.

## 2.0 Process Architecture

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

- Create Admin Registration page & Authentication.
- Get and manage Branch Admin details.
- Get and manage Medicine details.
- Handle the request for medicine.
- Manage the request raised by Branch Admin
- Maintain the stock details.
- Disconnect on log off.

Admin Process flow



## 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	Admin Registration	Ability of the system to procure the fundamental details of the Admin	
2	Req_2	Admin Authentication	Ability of the system to authenticate the credentials of the registered Admin	
3	Req_3	Create / Manage Branch Admin Details	Ability of the system to allow Admin to create / update Branch Manager Record	
4	Req_4	Create and Manage the details of the medicines	Ability of the system to allow Admin to create / update Medicine Record	
5	Req_5	Update the Stock details	Ability of the system to allow Admin to update and maintain the stock details	
6	Req_6	Store the request details from Branch Admin	Ability of the system to allow admin to store the details of the requests from Branch Admin	
7	Req_7	Update the response from Admin	Ability of the system to allow Admin to update the response	
8	Req_8	Admin logoff	Ability of the system to enable Admin to logoff	

## 4.0 Detailed Business Requirements

### 4.1 Functional Requirements

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	Impacted Stakeholders
Req_1.1	Admin Registration	When the Admin clicks on the registration link, it should re-direct to registration form.	UI	Critical	NA	Req_1	
Req_1.2	Admin Registration	Admin needs to fill some of the basic attributes/fields as mentioned below in requirement: First Name, Last Name, Age, Gender, Contact Number, Vendor Id, Password	UI	Critical	NA	Req_1	Please refer to Table 1.0 under References
Req_1.3	Admin Registration	Clicking 'Submit' should validate the datatype constraints for each field	F	Critical	NA	Req_1	
Req_1.4	Admin Registration	Admin 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	Admin Registration	Post-successful field level validation, save the information in the database	F	Critical	NA	Req_1	
Req_1.6	Admin Registration	Upon saving the information in the database, display the message 'Your details are submitted successfully'.	E	Medium	NA	Req_1	
Req_2.1	Credential Authentication	A registered user – is able click 'Login' link, after keying in 'Admin ID' & 'Password' field and get his credentials authenticated with the existing database entry.	F	Critical	NA	Req_2	
Req_3.1	Create / Manage Branch Admin Details	On clicking "Branch Admin", it should redirect to the Page listing Available Branch Admin	UI	Critical	NA	Req_3	

Req. #	Rationale Categorization	Business Requirement	Req. Type *	Priority **	Originator ***	BR Traced to Business Requirement / Use case ID	Impacted Stakeholders
Req_3.2	Create / Manage Branch Admin Details	On clicking Add Branch Admin it should redirect to Branch Admin creation page	F	Critical	NA	Req_3	
Req_3.3	Create / Manage Branch Admin Details	Admin should be able to update the mandatory fields of the Branch Manager	UI	Critical	NA	Req_3	Please refer to Table 2.0 under References
Req_3.4	Create / Manage Branch Admin Details	Clicking 'Submit' should validate the datatype constraints for each field	F	Critical	NA	Req_3	
Req_3.5	Create / Manage Branch Admin Details	Admin 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	F	Critical	NA	Req_3	
Req_3.6	Create / Manage Branch Admin Details	Post-successful field level validation, save the information in the database	F	Critical	NA	Req_3	
Req_3.7	Create / Manage Branch Admin Details	Upon saving the information in the database, display the message 'Your details are submitted successfully'.	F	Critical	NA	Req_3	
Req_3.8	Create / Manage Branch Admin Details	From Branch Admin page, on clicking the Branch Admin's ID, the details of Branch Admin should be displayed	F	Critical	NA	Req_3	
Req_3.9	Create / Manage Branch Admin Details	Admin on clicking Edit option should be able to edit the Branch Admin details and save it	F	Critical	NA	Req_3	
Req_4.1	Create and Manage the details of the medicines	On clicking "Medicine information", it should redirect to the Page listing Available Medicines	UI	Critical	NA	Req_4	



Req. #	Rationale Categorization	Business Requirement	Req. Type *	Priority **	Originator ***	BR Traced to Business Requirement / Use case ID	Impacted Stakeholders
Req_4.2	Create and Manage the details of the medicines	On clicking Add Medicine it should redirect to Medicine record creation page	F	Critical	NA	Req_4	
Req_4.3	Create and Manage the details of the medicines	Admin should be able to update the mandatory fields of the medicines	F	Critical	NA	Req_4	Please refer to Table 3.0 under References
Req_4.4	Create and Manage the details of the medicines	Clicking 'Submit' should validate the datatype constraints for each field	F	Critical	NA	Req_4	
Req_4.5	Create and Manage the details of the medicines	Admin 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	F	Critical	NA	Req_4	
Req_4.6	Create and Manage the details of the medicines	Post-successful field level validation, save the information in the database	F	Critical	NA	Req_4	
Req_4.7	Create and Manage the details of the medicines	Upon saving the information in the database, display the message 'Your details are submitted successfully'.	F	Critical	NA	Req_4	
Req_4.8	Create and Manage the details of the medicines	From Medicine Information page, on clicking the Medicine ID, the details of Medicine should be displayed	F	Critical	NA	Req_4	
Req_4.9	Create and Manage the details of the medicines	Admin on clicking Edit option should be able to edit the Medicine Record and save it	F	Critical	NA	Req_4	

Req. #	Rationale Categorization	Business Requirement	Req. Type *	Priority **	Originator ***	BR Traced to Business Requirement / Use case ID	Impacted Stakeholders
Req_5.1	Update the Stock details	When Admin clicks on "Update stocks" the list of Medicines and the available quantity should be displayed	F	Critical	NA	Req_5	
Req_5.2	Update the Stock details	For each record there should be an option to edit	F	Critical	NA	Req_5	
Req_5.3	Update the Stock details	When Admin clicks on "Edit" the stock field should be made editable and admin can update the data	F	Critical	NA	Req_5	
Req_5.4	Update the Stock details	Upon saving the information in the database, display the message 'Your details are submitted successfully'.	F	Critical	NA	Req_5	
Req_5.5	Update the Stock details	On refresh the Medicine and the stock details should be displayed with updated value.	F	Critical	NA	Req_5	
Req_6.1	Store the request details from Branch Admin	On clicking "Store Branch Admin request", it should redirect to the request creation page	F	Critical	NA	Req_6	Please refer to Table 4.0 under References
Req_6.2	Store the request details from Branch Admin	Admin should be able to update the mandatory fields of the request	F	Critical	NA	Req_6	
Req_6.3	Store the request details from Branch Admin	Clicking 'Submit' should validate the datatype constraints for each field	F	Critical	NA	Req_6	
Req_6.4	Store the request details from Branch Admin	Admin 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	F	Critical	NA	Req_6	

Req. #	Rationale Categorization	Business Requirement	Req. Type *	Priority **	Originator ***	BR Traced to Business Requirement / Use case ID	Impacted Stakeholders
Req_6.5	Store the request details from Branch Admin	Post-successful field level validation, save the information in the database	F	Critical	NA	Req_6	
Req_6.6	Store the request details from Branch Admin	Upon saving the information in the database, display the message 'Your details are submitted successfully'.	F	Critical	NA	Req_6	
Req_7.1	Update the response from Admin	On clicking "Update Branch Admin request", it should list all the available request from Branch Admin	UI	Critical	NA	Req_7	
Req_7.2	Update the response from Admin	On clicking the request ID, the request details should be displayed	F	Critical	NA	Req_7	
Req_7.3	Update the response from Admin	Admin should be able to update his response	F	Critical	NA	Req_7	
Req_7.4	Update the response from Admin	Upon saving the information in the database, display the message 'Your details are submitted successfully'.	F	Critical	NA	Req_7	
Req_8.1	Admin Log off	Option to log off from the system.	UI	Critical	NA	Req_8	

## 5.0 References

### 5.1 Table 1.0(Admin)

Field Name	Field Type	Data Type	Mandatory	Possible Values
Admin ID	Text(10)	Alphabetic	Yes	System Generated
First Name	Text(50)	Alphabetic	Yes	
Last Name	Text(50)	Alphabetic	Yes	
Age	Numeric(2)	Numeric	Yes	
Gender	Drop Down	NA		Male, Female
DoB	Text(10)	Alphanumeric	Yes	
Contact Number	Text(10)	Numeric	Yes	
Alt Contact Number	Text(10)	Numeric	No	

Email ID	Text(50)	Alphanumeric	Yes	
Password	Text(10)	Alphabetic	Yes	

## 5.2 Table 2.0(Branch Admin)

Field Name	Field Type	Data Type	Mandatory	Possible Values
Branch Admin ID	Text(10)	Alphabetic	Yes	System Generated
First Name	Text(50)	Alphabetic	Yes	
Last Name	Text(50)	Alphabetic	Yes	
Age	Numeric(2)	Numeric	Yes	
Gender	Drop Down	NA		Male, Female
DoB	Text(10)	Alphanumeric	Yes	
Contact Number	Text(10)	Numeric	Yes	
Alt Contact Number	Text(10)	Numeric	No	
Email ID	Text(50)	Alphanumeric	Yes	
Branch Name	Text(50)	Alphabetic	Yes	
Address Line 1	Text(100)	Alphanumeric	Yes	
Address Line 2	Text(100)	Alphabetic	No	
City	Text(50)	Alphabetic	Yes	
State	Text(50)	Alphabetic	Yes	
Zip Code	Text(10)	Numeric	Yes	

## 5.3 Table 3.0(Medicine)

Field Name	Field Type	Data Type	Mandatory	Possible Values
Medicine ID	Auto-generated(8)	Numeric	Yes	Non-editable system generated
Medicine Description	Text(200)	Alphabetic	Yes	
Cure for	Text(100)	Alphabetic	Yes	
Manufacturing company	Text(50)	Alphabetic	Yes	
Dosage	Numeric(3)	Numeric	Yes	mg
Prescribed for	Text(1)	Alphabetic	Yes	A – Adult C - Children

## 5.4 Table 4.0(Branch Admin Request)

Field Name	Field Type	Data Type	Mandatory	Possible Values
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Request ID	Auto-generated(8)	Numeric	Yes	
Branch Admin ID	Text(10)	Alphabetic	Yes	
Request date	Text(10)	Alphanumeric	Yes	
MedicineID1	Numeric	Numeric	Yes	
Quantity1	Numeric(3)	Numeric	Yes	
MedicineID2	Numeric	Numeric	No	
Quantity2	Numeric(3)	Numeric	No	
MedicineID3	Numeric	Numeric	No	
Quantity3	Numeric(3)	Numeric	No	
MedicineID4	Numeric	Numeric	No	
Quantity4	Numeric(3)	Numeric	No	
MedicineID5	Numeric	Numeric	No	
Quantity5	Numeric(3)	Numeric	No	
Other Info	Text(200)	Alphabetic	No	
Admin process date	Text(10)	Alphanumeric	No	
Admin Response	Text(1)	Alphabetic	No	A- Approve D-Deny
Admin remarks	Text(300)	Alphanumeric	No	

## 6.0 Terms & Conditions

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## 7.0 Change Log

Version Number	Changes Made			
V1.0.0	Initial baseline created on 6/02/2019 by Manonmani Guruswamy			
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