Vehicle Reservation System

Business Requirements Document

V1.0

	Prepared By / Last Updated By	Reviewed By	Approved By
Name	Cognizant Academy		
Role			
Signature			
Date			

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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 the requirements of the project and the system to be developed. The document also captures the Functional requirements and serves as an input for the scope of project.

1.2   Project Overview

1.2.1   Objectives

The objective of this document is to have the overall requirement that would let the fleet management company be able to record & assimilate live inventory data from the branch stores and trigger the need to supply necessary vehicles & vehicle spares to the branch store that is running out of stock.

The application would include the following modules:

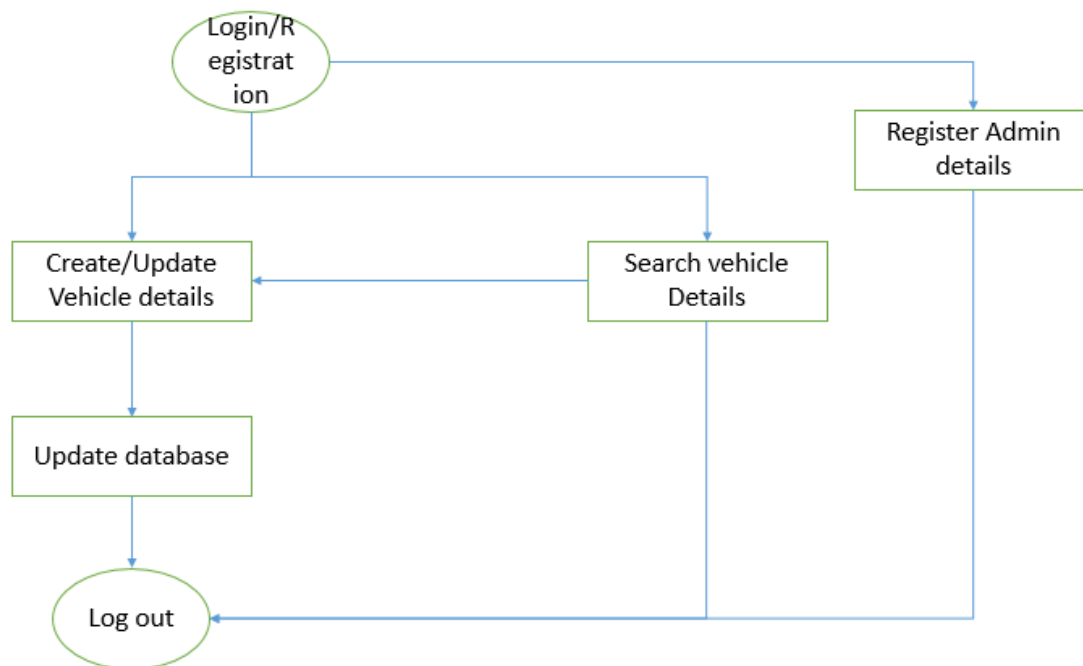User Registration and login

Update Vehicle details

Search Vehicle details

1.3   Intended Audience

- Interns/Project Team

- Mentors and SME's

- Delivery assurance/excellence group

2.0 Process Architecture

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

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	User Registration and login	Ability of the system to procure user details and register the details into the system and allow login on authentication .	
2	Req_2	Update vehicle details	Admin should be able to Create/Update/detail the details of the vehicles.	
3	Req_3	Search Vehicle details	Search page that enable the Admin to view vehicle details based on the criteria selected	
4	Req_4	Notify Admin	Email Notifications to be sent to Admins on the actions to be taken for	

		vehicles	

4.0 Detailed Business Requirements

4.1 Functional Requirements

The functional requirements are projected below, 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	Impacted Stakeholders
Req_ 1.1	User Registration and login	User needs to fill some of the basic attributes/fields as mentioned below in requirement: First Name, Last Name, Age, Gender, Employee Id, Email id, Password,Branch Id	UI	Critical	NA	Req_1	Refer table user info

Req. #	Rationale Categorization	Business Requirement	Req. Type *	Priority **	Originator ***	BR Traced to Business Requirement / Use case ID	Impacted Stakeholders
Req_ 1.2	User Registration and login	Clicking 'Submit' should validate the datatype constraints for each field	UI	Critical	NA	Req_1	
Req_ 1.3	User Registration and login	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_ 1.4	User Registration and login	Post-successful field level validation, save the information in the database	F	Medium	NA	Req_1	
Req_ 1.5	User Registration and login	Upon saving the information in the database, display the message 'Your details are submitted successfully'.	E	Medium	NA	Req_1	
Req_ 1.6	User Registration and login	A registered user – is able click 'Login' link, after keying in 'Employee Id' & 'Password' field and get his credentials authenticated with the existing database entry.	F	Medium	NA	Req_1	
Req_ 2.1	Update vehicle details	Admin's on logging in should have Update vehicle details Button	UI	Medium	NA	Req_2	
Req_ 2.2	Update vehicle details	Admin on clicking the Update Vehicle details button should be directed to Update details page	UI	Medium	NA	Req_2	
Req_ 2.3	Update vehicle details	Update Details page should display all the fields- Vehicle No, vehicle type, Branch, insurance type, insurance expiry date, last Serviced Date, Service due date	Ui	Critical	NA	Req_2	

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Req. #	Rationale Categorization	Business Requirement	Req. Type *	Priority **	Originator ***	BR Traced to Business Requirement / Use case ID	Impacted Stakeholders
Req_ 2.4	Update vehicle details	Admin should have access to create a new vehicle details entry.	F	Medium	NA	Req_2	
Req_ 2.5	Update vehicle details	Admin should have access to update details of existing vehicle details.	F	Medium	NA	Req_2	
Req_ 2.6	Update vehicle details	Admin on entering existing Vehicle Number, the rest of the details should be loaded in the respective labels from database.	F	Medium	NA	Req_2	
Req_ 2.7	Update vehicle details	On creating/updating the vehicle details, each fields should be validated and appropriate error messages should be thrown	E	Medium	NA	Req_2	
Req_ 3.1	Search Vehicle details	Admin on logging in should have Search vehicle details Button	UI	Critical	NA	Req_3	
Req_ 3.2	Search Vehicle details	Admin on clicking the Search Vehicle details button should be directed to Search details page	UI	Medium	NA	Req_3	
Req_ 3.3	Search Vehicle details	Admin should be able to search vechile details based on the search criteria – Branch, Vehicle type, Insurance expiry month, service due month,	UI	Medium	NA	Req_3	
Req_ 3.4	Search Vehicle details	Admin on selecting the search criteria and clicking search, vechile details- Branch, vehicle type,vehicle number,insurance expiry date, service due date should be listed from the database.	F	Medium	NA	Req_3	Refer table Vehicle Info

Req. #	Rationale Categorizati on	Business Requirement	Req. Type *	Priority **	Originator ***	BR Traced to Business Requirement / Use case ID	Impacted Stakeholders
Req_ 3.6	Search Vehicle details	If Expiry of Insurance or Service due falls in next 15 days from the Vehicle details listed, should be highlighted in red.	F	Medium	NA	Req_3	
Req_ 3.7	Search Vehicle details	Admin on double clicking any of the listed vehicle number, should be redirected to Update page.	F	Medium	NA	Req_3	
Req_ 4.1	Notify Admin	Batch job should be run fortnightly to trigger Email notification to admin to notify – Expiry of Insurance in next 15 days or Service due in next 15 months	F	Critical	NA	Req_4	

5.0 References

5.1   User Info table

Field Name	Field Type	Data Type	Possible Values
Employee Id	Text(6)	AlphaNumeric	
First Name	Text(50)	Alphabetic	
Last Name	Text(50)	Alphabetic	
Age	Numeric(2)	Numeric	
Gender	Drop Down	NA	Male, Female
Contact Number	Text(10)	Numeric	
Email ID	Text(50)	Alphanumeric	
Password	Text(15)	Alphanumeric	
Branch	Text(5)	Alphanumeric	

5.2   Vehicle Info table

Field Name	Field Type	Data Type	Possible Values
Vehicle No	Text(10)	AlphaNumeric	

Branch	Text(5)	Alphabetic	
Vehicle type	Text(15)	Alphabetic	
Insurance Expiry date	Text(10)	MM-DD-CCYY	
Last Serviced Date	Text(10)	MM-DD-CCYY	
Service Due date	Text(10)	MM-DD-CCYY	

6.0 Terms and 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 Effected**