

Project of Software Engineering

(CS3074)

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Software Requirement Specification For

*Motor Part Shop Software
(MPSS)*

Version 1.0 approved

Table of Contents

1	Introduction	5
1.1	Purpose.....	5
1.2	Project Scope.....	5
1.3	Environment Characteristics	5
1.4	References	5
2	Description	6
2.1	Product Perspective	6
2.2	Product Design	6
2.3	User Classes.....	6
3	Functional Requirements	7
3.1	Login Authentication	7
3.2	Search for Motor Part	7
3.3	Manage Stock	7
3.4	Setting the threshold for a Motor Part	8
3.5	Billing A Customer	8
3.6	Checking Sales Statistics.....	8
3.7	Adding New Motor Parts to Inventory.....	8
4	External Interface Requirements	9
4.1	User Interfaces	9
4.2	Hardware Interfaces.....	9
4.3	Software Interfaces	9
4.3.1	Inventory Query	9
4.3.2	Add to inventory	9
4.3.3	New Transaction	9
4.4	Communications Interfaces.....	9
5	Other Non-functional Requirements	10
5.1	Maintainability Requirements.....	10
5.2	Portability Requirements.....	10
5.3	Performance Requirements	10
5.4	Safety & Security Requirements	10
6.	Performance Requirement	11
7.	Other Requirements.....	11

8. Software Design Diagrams

1.1	Data Flow Diagram	12-16
1.2	Structure Chart	17
1.3	Work Breakdown Structure	18
1.4	Activity Network	18
1.5	Critical Path.....	19
1.6	Use Case.....	20
1.7	Class Diagram.....	21
1.8	Activity Diagram.....	22-24
1.9	State Chart Diagram.....	25
1.10	Sequence Diagram	26-27
1.11	Collaboration Diagram	28

9. User Interface 29-39

10. Testing.....40

1.Introduction

1.1 Purpose

The purpose of the document is to serve as a guide to designers, developers and testers who are responsible for the engineering of the Motor Part Shop Software (MPSS) Project. It should give the engineers all of the information necessary to design, develop and test the software.

1.2 Project Scope

A small automobile spare parts shop sells the spare parts for a vehicles of several makes and models. Also, each spare part is typically manufactured by several small industries. To stream line the sales and supply ordering, the shop owner has asked us to develop the following motor part shop software. Motor Part Shop Software (MPSS). The motor parts shop deals with large number of motor parts of various manufacturers and various vehicle types. Some of the motor parts are very small and some are of reasonably large size. The shop owner maintains different parts in wall mounted and numbered racks. The shop owner maintains as few inventory for each item as reasonable, to reduce inventory overheads after being inspired by the just-in-time (JIT) philosophy. Thus, one important problem the shop owner faces is to be able to order items as soon as the number of items in the inventory reduces below a threshold value. The shop owner wants to maintain parts to be able to sustain selling for about one week. To calculate the threshold value for each item, the software must be able to calculate the average number of parts sales for one week for each part. At the end of each day, the shop owner would request the computer to generate the items to be ordered. The computer should print out the part number, the amount required and the address of the vendor supplying the part. The computer should also generate the revenue for each day and at the end of the month, the computer should generate a graph showing the sales for each day of the month, we are required to develop the required software.

1.3 Environment Characteristics

The software is compatible with Windows version 11 and above for greater flexibility across all the systems. The hardware requirements involve RAM greater than 512 MB and above. The hard disc capacity needs to exceed 10 GB for this software to function smoothly.

1.4 References

en.wikipedia.org for relevant definition.

2 Description

2.1 Product Perspective

The Motor Part Shop Software is a new system that replaces the current manual processes of billing and inventory management in Parts Shops. The system is expected to evolve over several releases. MPSS will be help in restocking of motor parts for the in owner's shop as well as it will show required sales statistics to the Shop owner. The Software can be modified in further versions to add complex functionalities.

2.2 Design Concerns

In our Project we have assumed that for a Shop a single owner exists. The owner is allotted a predefined username and password required to access his page. This data is stored in the database. However he canchange his password in his login page.

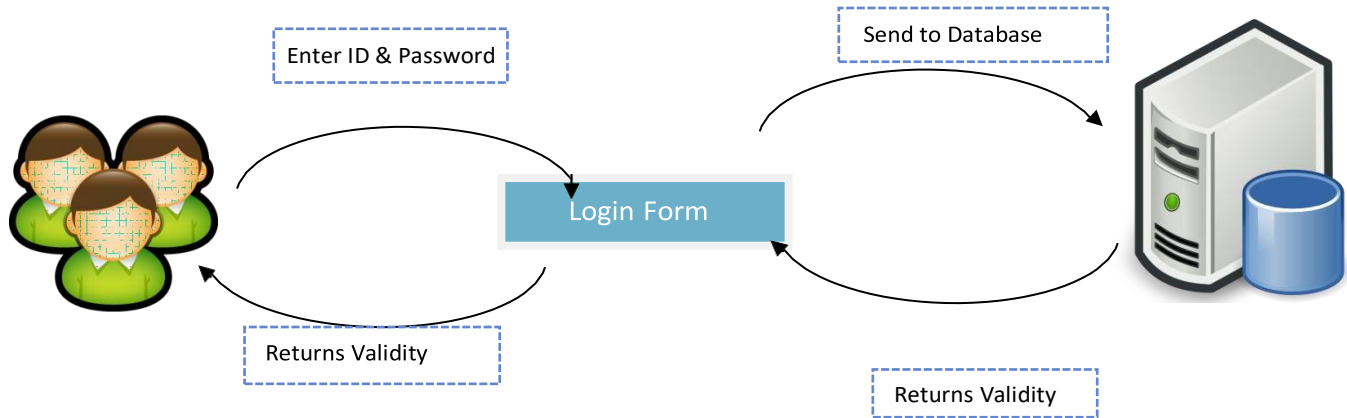
2.3 User Classes

The various user classes that are expected to use this software as follows,

- Owner can use the software to look into the sales statistics and the current stock of the motor parts.
- Shop Keeper can use the software for billing purpose.
- The Sales guy can update the current stock of the motor parts after getting the list from the software.

3 Functional Requirements

3.1 Login Authentication



Owner

Database

This is the first functionality that the user encounters when it uses the software. There are three classes of users, which include owner, shop keepers and the sales executive. Users are required to enter their username and password to login into the software.

- **Input** - Username and Password
- **Process** - The username and password is matched with the existing data of owner, shop keeper and the sales executive.
- **Output** - Successful login if correct details are entered, else an unsuccessful login attempt is displayed.

3.2 Search for a Motor Part

This feature can be used to search for a motor part that is present in the inventory. This feature returns the location of the motor part and the number of parts left in the inventory. This feature can be accessed by the owner, the shop keeper and the sales executive.

- **Input** - Motor part ID
- **Output** - The rack location where the motor part is stored, and the number of parts stored there.

If no parts are present, a warning message is to be displayed.

3.3 Manage Stock

This feature is kept to check the current stock of any motor part within the store. A list of all the existing motor parts is displayed when the user wishes to check the stock showing the part's number, part's name and the number of items in the shop currently.

- **Input** - User asks for the current stock by clicking on the "Check current stock" button.
- **Process** - The current stock is fetched from the database in ascending order of the part ID.
- **Output** - The current stock is displayed in a list showing the part ID, part name and the number of parts in the inventory currently.

3.4 Setting the threshold for a motor part

This functionality is required to calculate the threshold of each motor part based on the number of parts sold previously so that the shop does not run out of the specified part. The average of number of parts previously sold is calculated to get the threshold.

- **Input** - The stock that is sold in recent weeks.
- **Process** - Average of the stocks is calculated for each part.
- **Output** - The threshold for each motor part, if the current stock falls below the threshold for a motor part, the motor part is restocked.

3.5 Billing a customer

This feature is used to bill a customer when it wishes to buy some required parts from the motor part shop. After the billing is done, the appropriate change is done in the database, which is reflected over the sales statistics.

- **Input** - The parts a user buys
- **Output** - The stock is reduced in the database.

3.6 Checking Sales statistics

This functionality has got two parts, as follows,

- The owner can check the sale of motor parts from the shop in the current day. This includes the parts that were sold beginning from the day itself. The user can also check the revenue of the day with the help of this feature.

Input - Owner asks for sale of motor parts of the current day.

Output - Revenue for the day is calculated and displayed along with the sold parts details.

- The owner can check the sales graph which shows the daily sales of the shop over a period of a month. This includes all the parts in the shop. The graph would also show the revenue generated every day in the current month.

Input - Owner asks for sale of motor parts of the current month.

Output - A graph is displayed which shows the sale of motor parts for each day of the month.

3.7 Adding a new motor part to the inventory

This functionality enables the sales executive to add a new motor part into the inventory. To add a new part, the sales executive needs to enter the part ID, part name, the address of the vendor who currently sells the motor part. The initial count for a new part is set to 0, which can be incremented accordingly by the sales executive.

- **Input** - Sales Executive adds the id of the new part, name of the part, address of the vendor from which the part is bought along with the number of the parts.
- **Output** - New part is added in the database which can be checked by the current stock

4 External Interface Requirements

4.1 User Interfaces

When the Shop Owner will open the software, a welcome page asking the user id and password will be displayed. Upon logging in, the software will display four buttons along with a billing button and an exit button. The four functionalities include, Stocks, Sales, Requires Parts, Add parts. The stocks button will show the list of current stock of motor parts. The sales button will display the sales statistics of the shop. Upon the clicking the exit button, the current user will be logged out and the login page will be displayed again. The billing button will direct the user to the billing page. The requires parts button will display the motor parts that need to be restocked by the end of the day. The add parts page will help in adding the recent number of restocked motor parts. The UI is kept simple and understandable for the user, so that it can work with it without hassle.

4.2 Hardware Interfaces

Since the software is supposed to be run on a single system, we do not require cloud based hosting solution here. If more than one system needs to be connected, cloud based solution is required to store the database.

4.3 Software Interfaces

4.3.1 Inventory Query

The Shop Owner queries the parts whose details he/she wishes to view. Programmatically determines the details of the product. Displays information about the product. The Shop Owner selects the option to change the price of the product which updates the corresponding price in the database.

4.3.2 Add to inventory

The Shop Owner requests for the addition of the product and subsequently enters the details of the product. Updates the product in its database and gives a confirmation message.

4.3.3 New transaction

The Shop Owner provides the details of the product ready to be purchased. On pressing the print button, the details of the inventory are updated and a bill is produced and printed along with a confirmation message.

4.4 Communications Interfaces

Any changes made to the inventory is automatically updated in the database which has been set up in a separate server. The software is to be kept connected to the internet for continuous use in multiple systems.

5 Other Non-Functional Requirements

5.1 Maintainability Requirements

The software must be require as lesser maintenance as possible. Given a glitch in the software, the administrators must be capable enough to sort out the bug quickly to prevent delay in the shop's functionality.

5.2 Portability Requirements

The software should be able to be deployed in any machine.

5.3 Performance Requirements

The software must be developed using an object oriented model. The performance of every existing module in this software must be robust. This software should be able to run on various operating systems steadily as it as been specified before. Overall the performance of the software must be reliable and the data kept must be safe in case ofa power failure.

5.4 Safety & Security Requirements

A firewall will be used with the server to prevent unauthorized access to the system. Passwords must be stored in hashed format to prevent any data leak A mail must be provided for emergency queries regarding the software, so that the software can be used without concerns. The mail must be replied by the admins of the software for quickresponses. And finally the whole software is completely secured from outside accessing.

6. Performance Requirements

This application will be used by a single user. There will be no multiple user handling since the application runs on a single portable device. The amount of the input maybe huge since the input data of the application depends on the number of products. Interest objects may be more than one at the same time, that the software has to handle multiple object recognition. The major issue here is the application should answer in real-time, namely, the recognizing and labeling operations has to be handled in less than 1 second. Also the application should be able to recognize more than %80 of the interested objects.

7. Other Requirements

Each user of the SAS is required to log in his/her account to perform different activitieslike sales transactions, update inventory, view sales statistics and update process etc. MySQL is required for maintaining the databases of inventory, sales, and employees.

SOFTWARE DESIGN DIAGRAM

DATA FLOW DIAGRAMS

Level 0

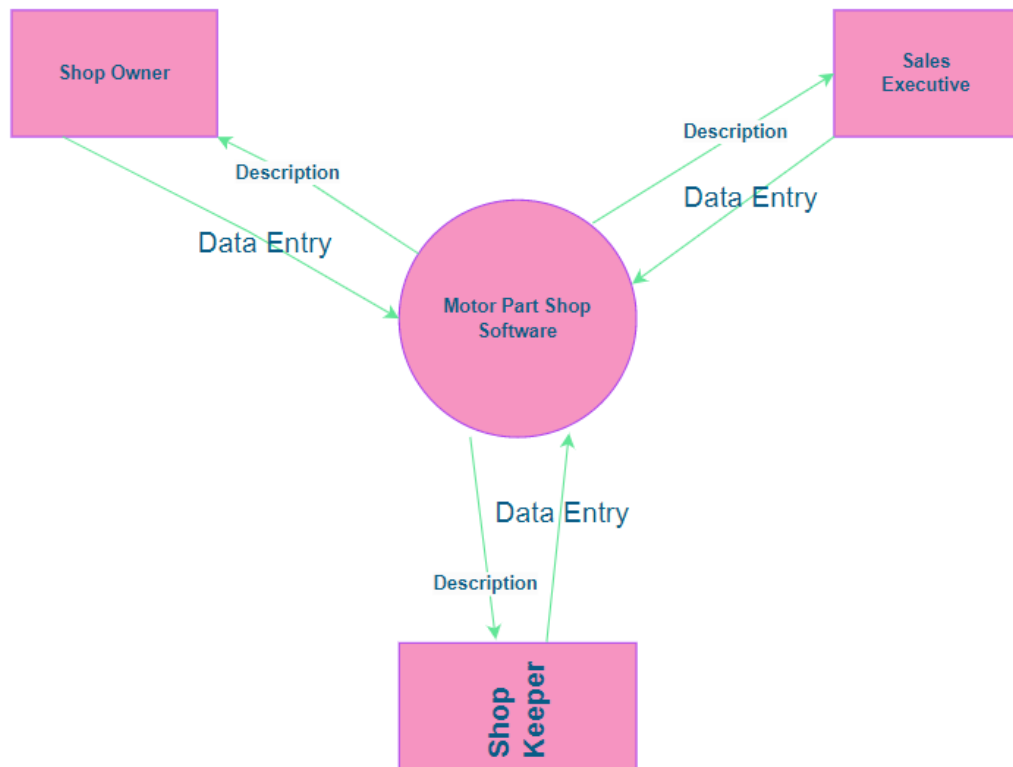


Fig: Level-0 DFD.

Level 1

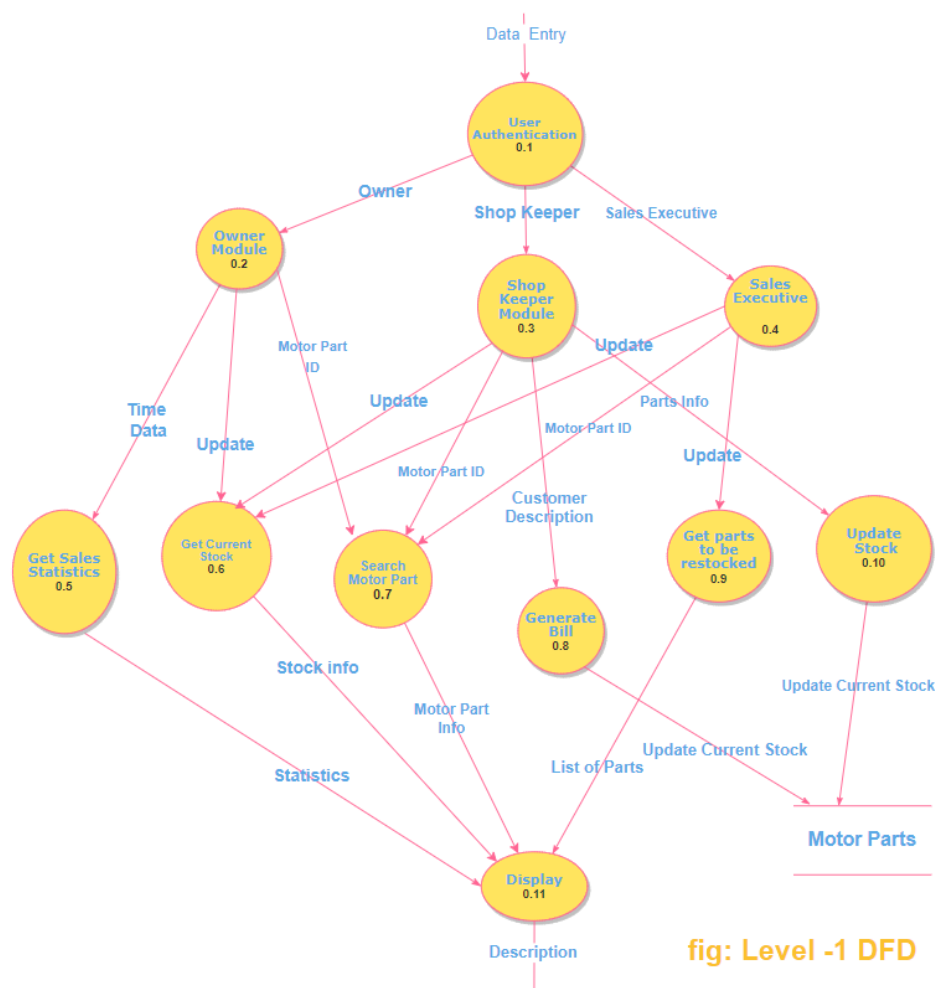


fig: Level -1 DFD

Level 2

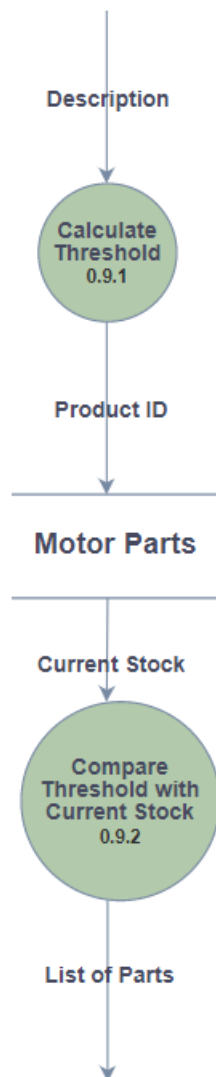


Fig: Level-2 DFD.

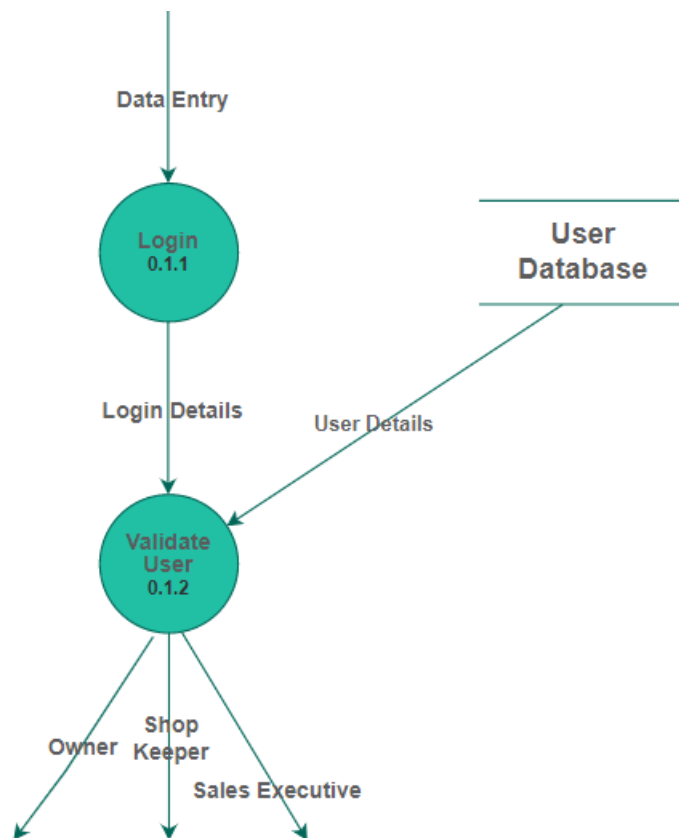


Fig: Level-2 DFD.

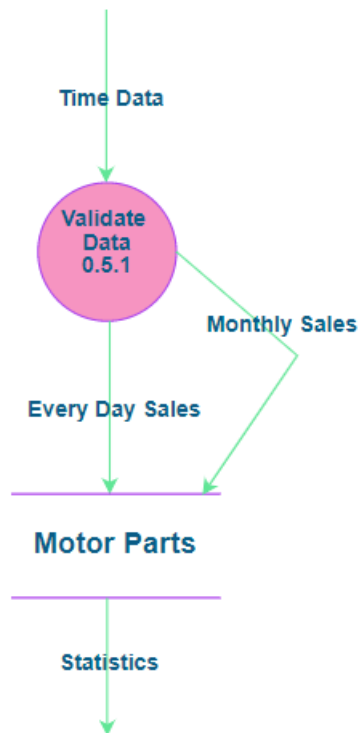
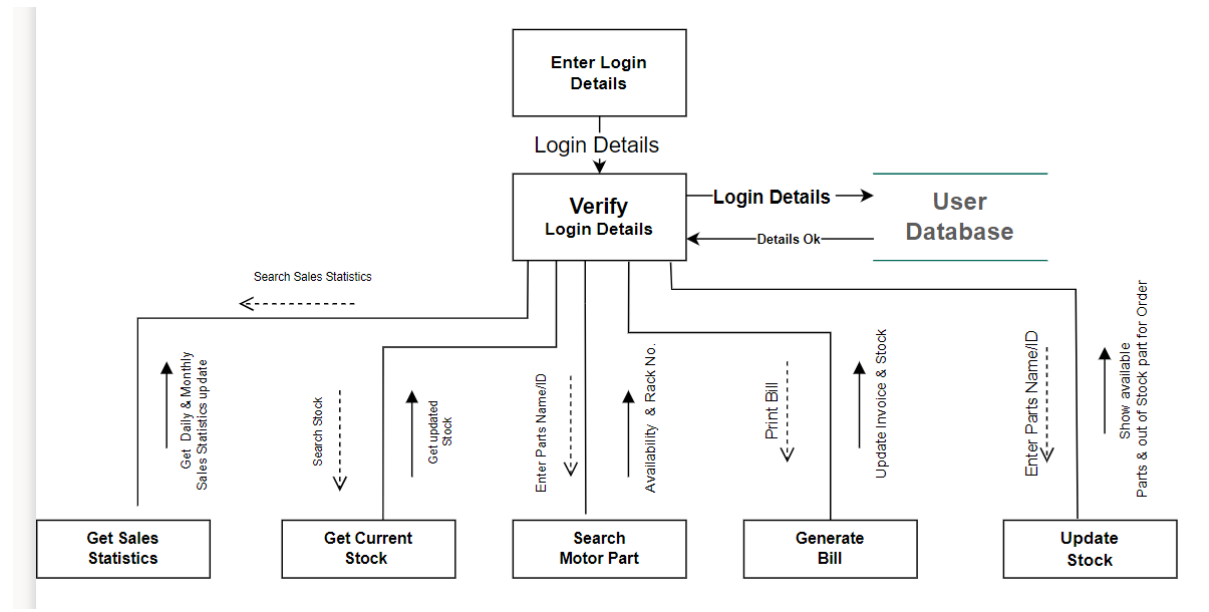
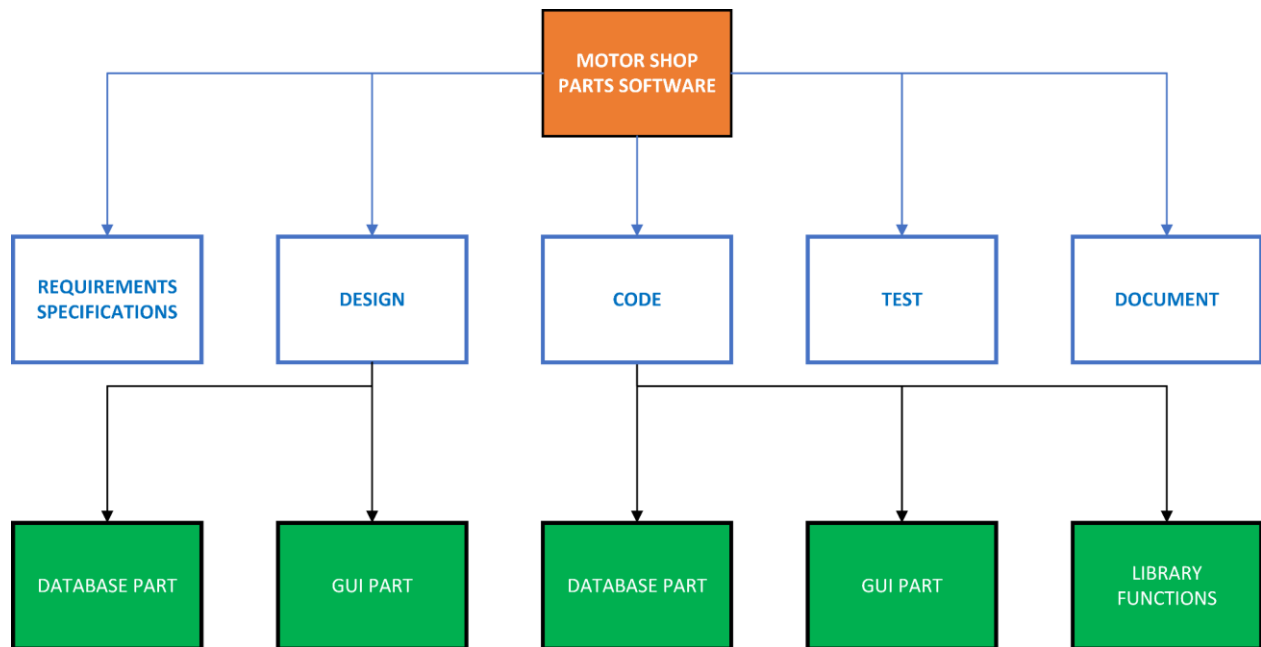


Fig: Level-2 DFD.

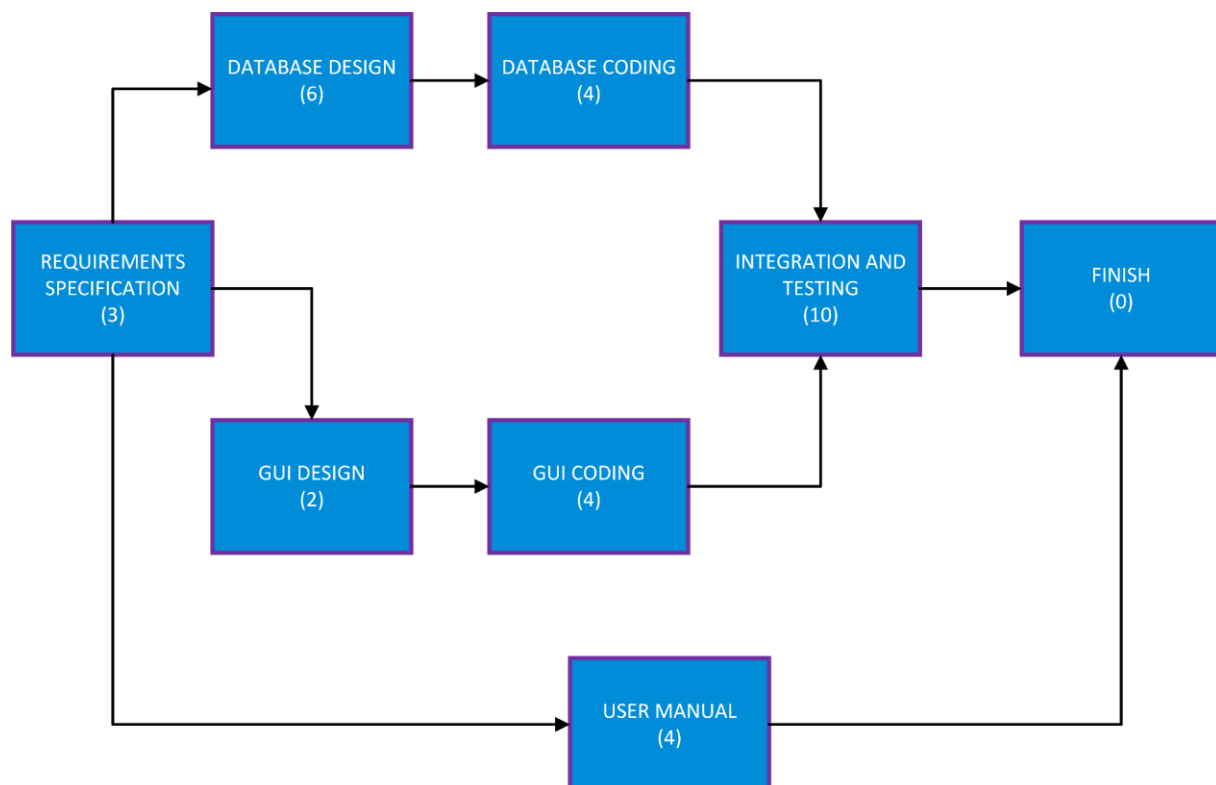
STRUCTURE CHART



WORK BREAKDOWN STRUCTURE

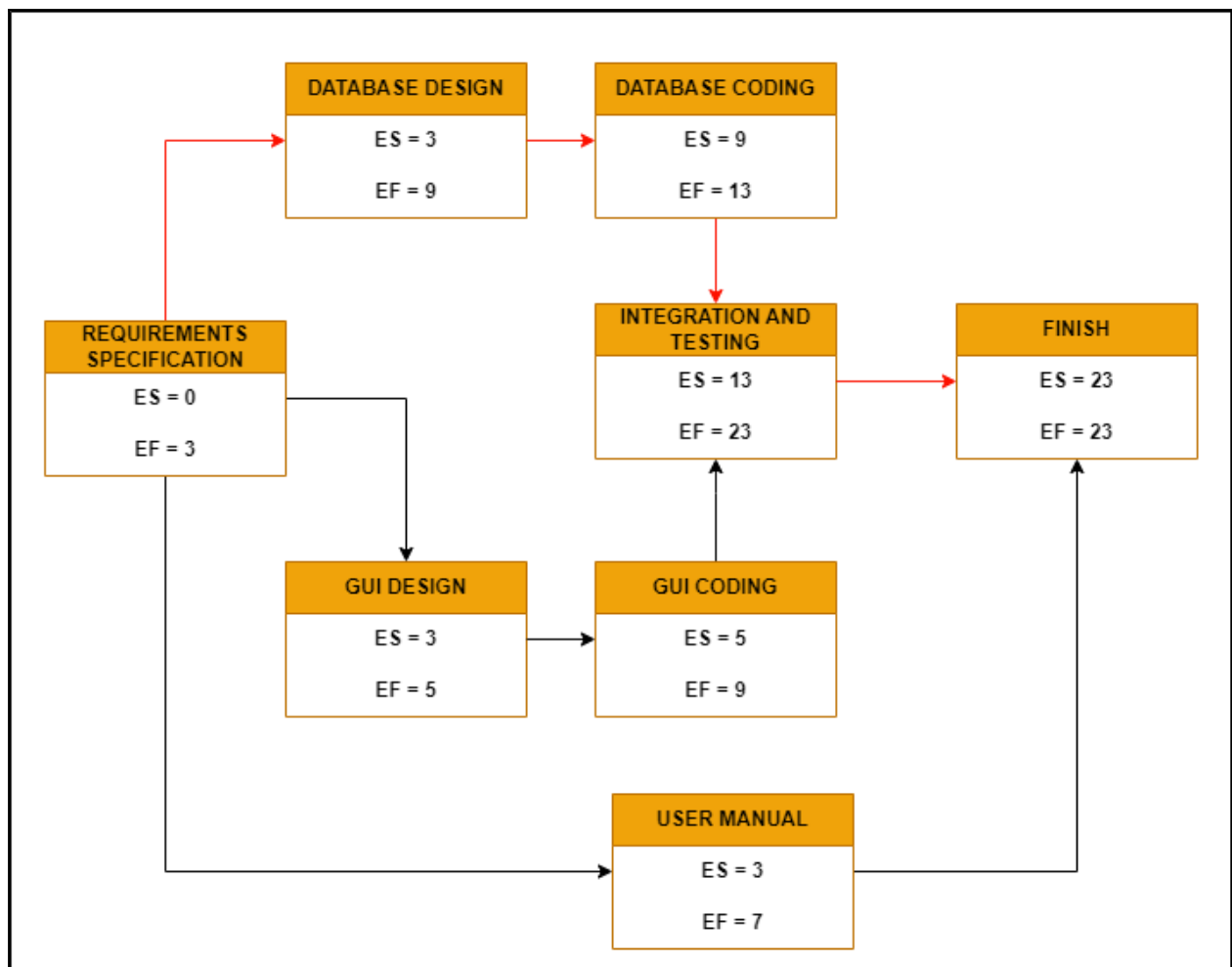


ACTIVITY NETWORK

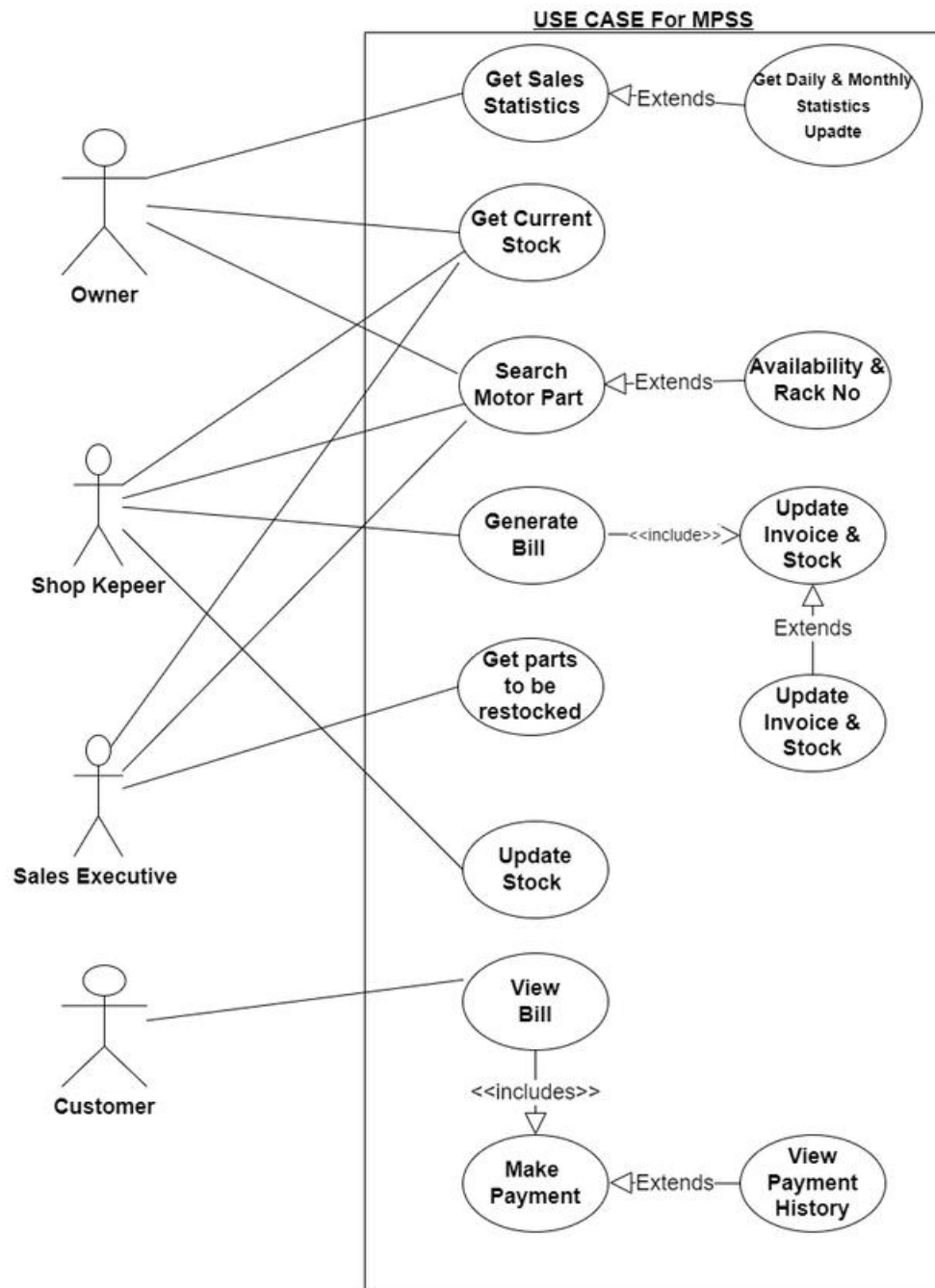


CRITICAL PATH

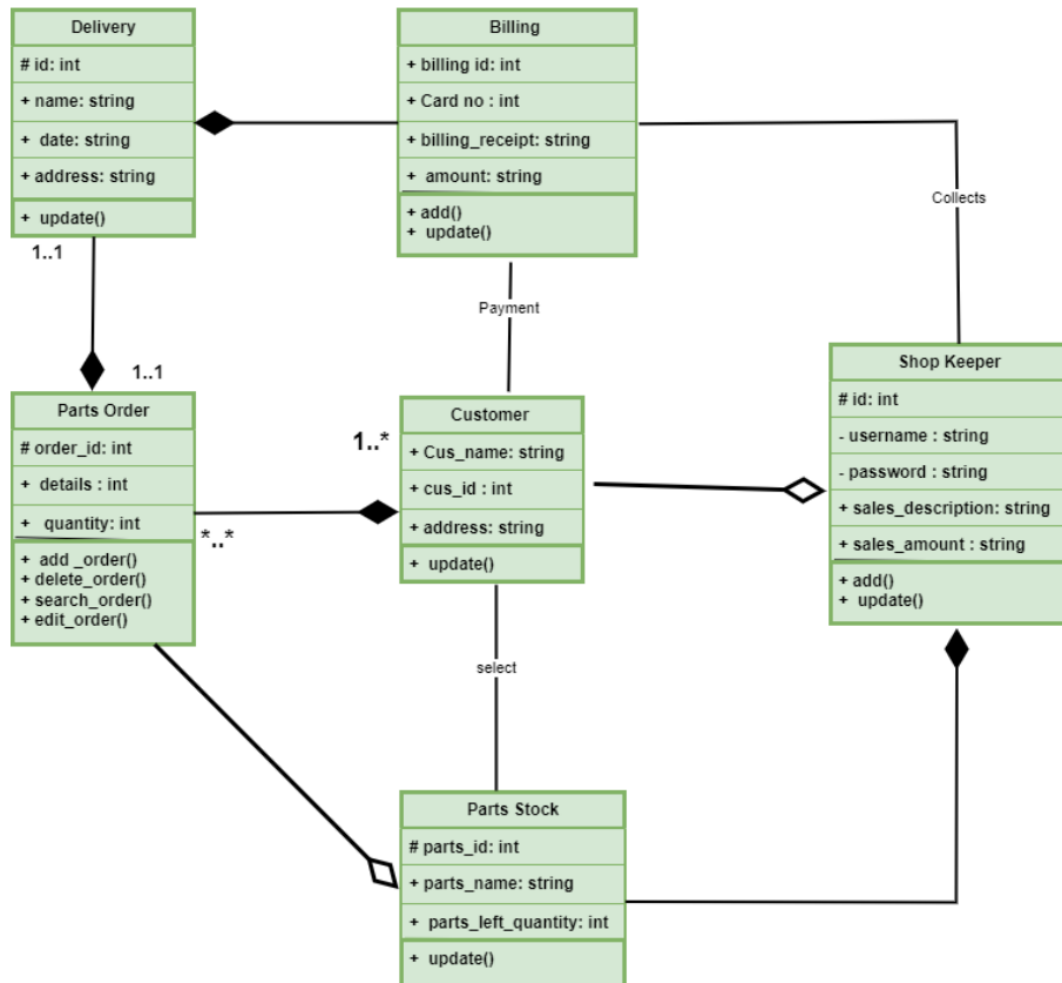
- Calculated by determining the Earliest Start (ES) and Earliest Finish (EF) time of each activity illustrated in the activity network (in the form of Activity-On-Arrow).
- Critical path is shown in red in the following diagram:



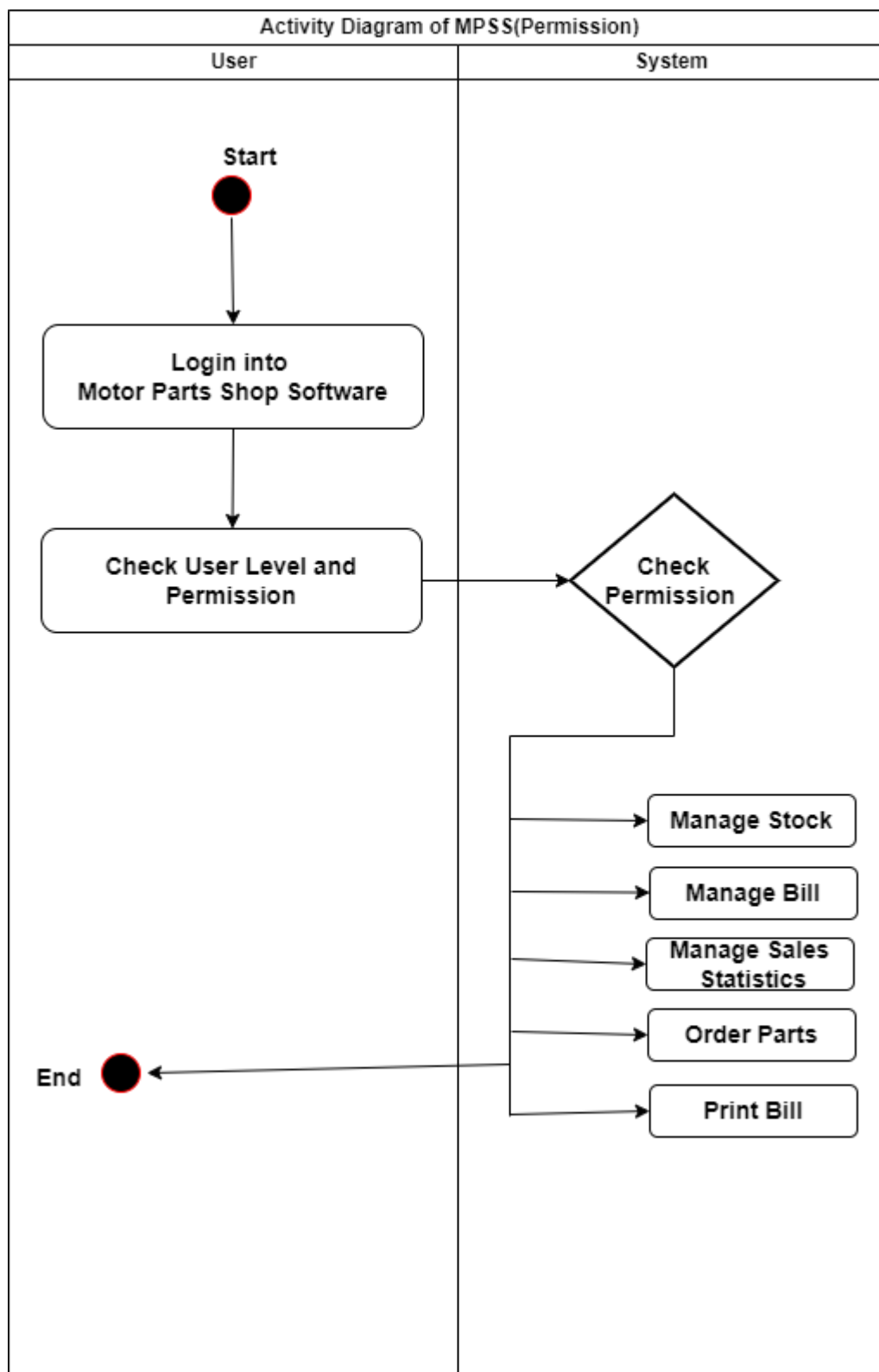
USE CASE

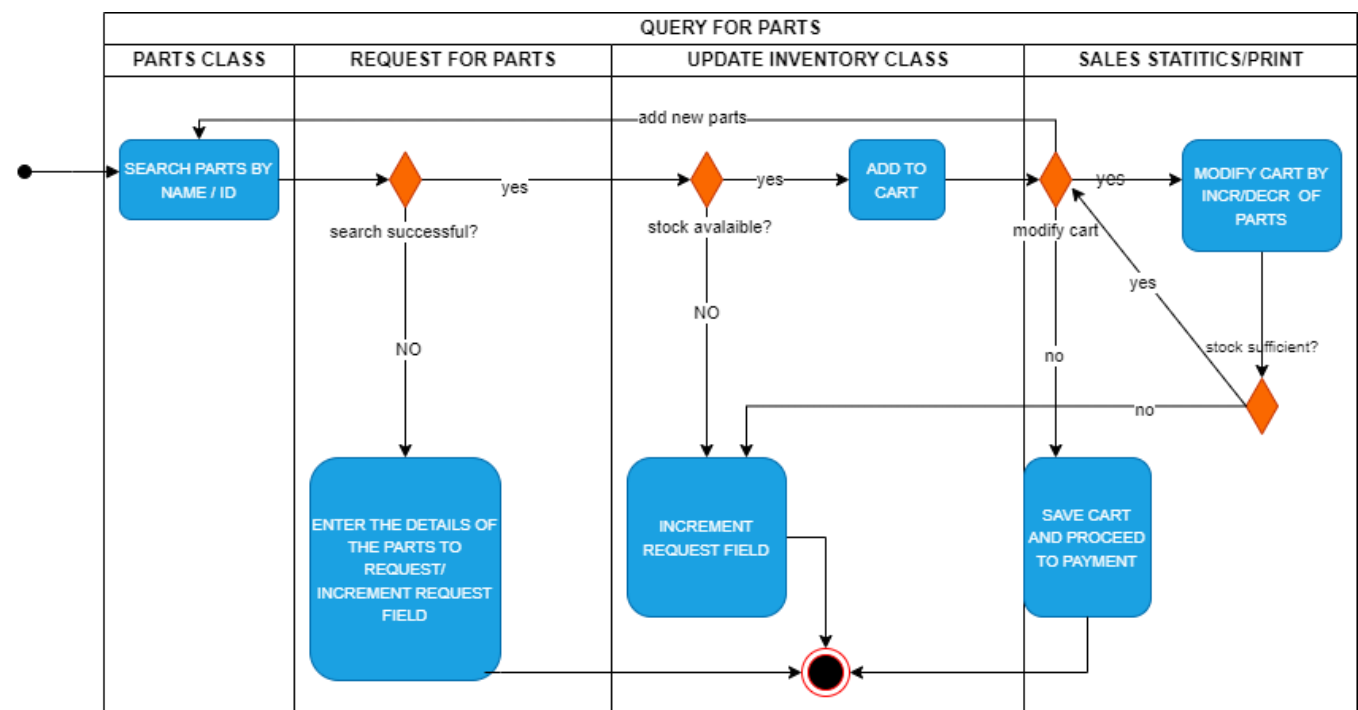
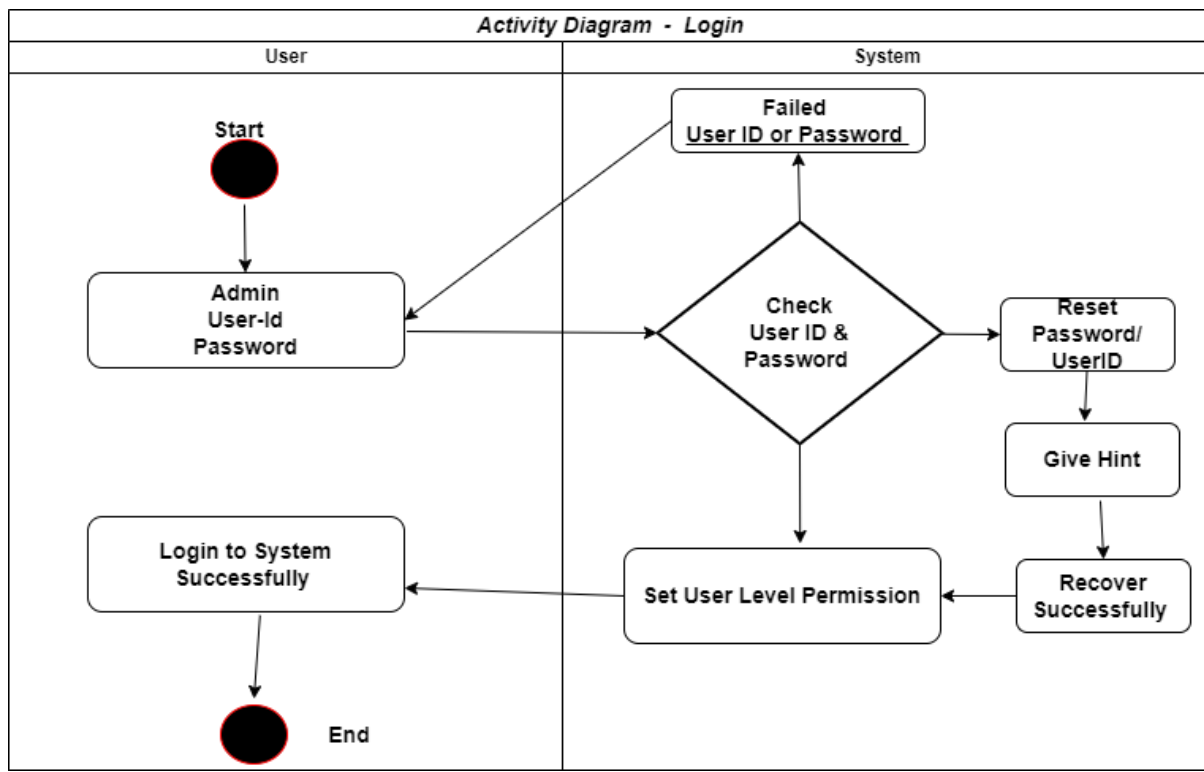


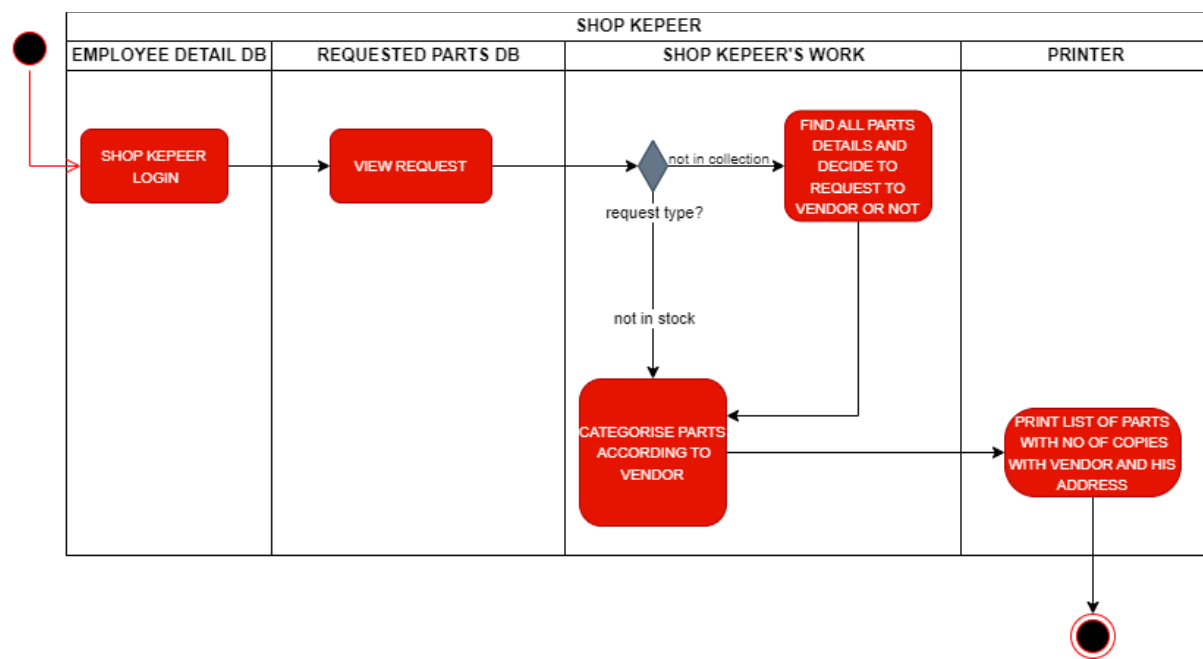
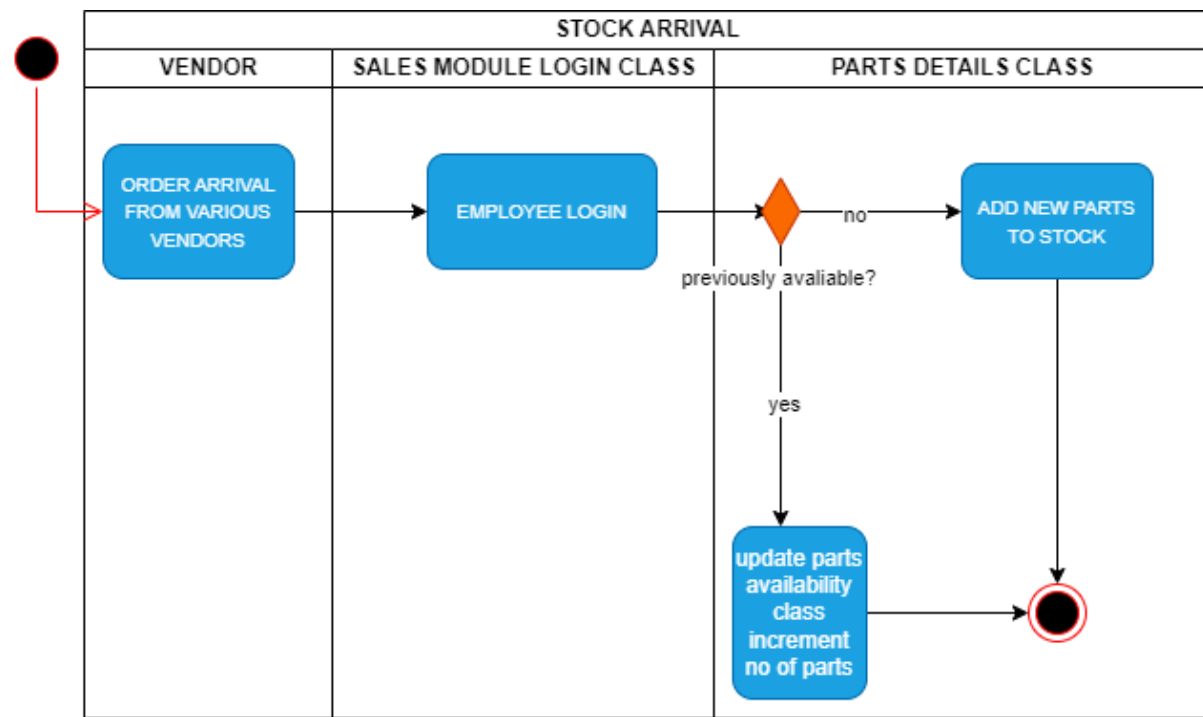
CLASS DIAGRAM



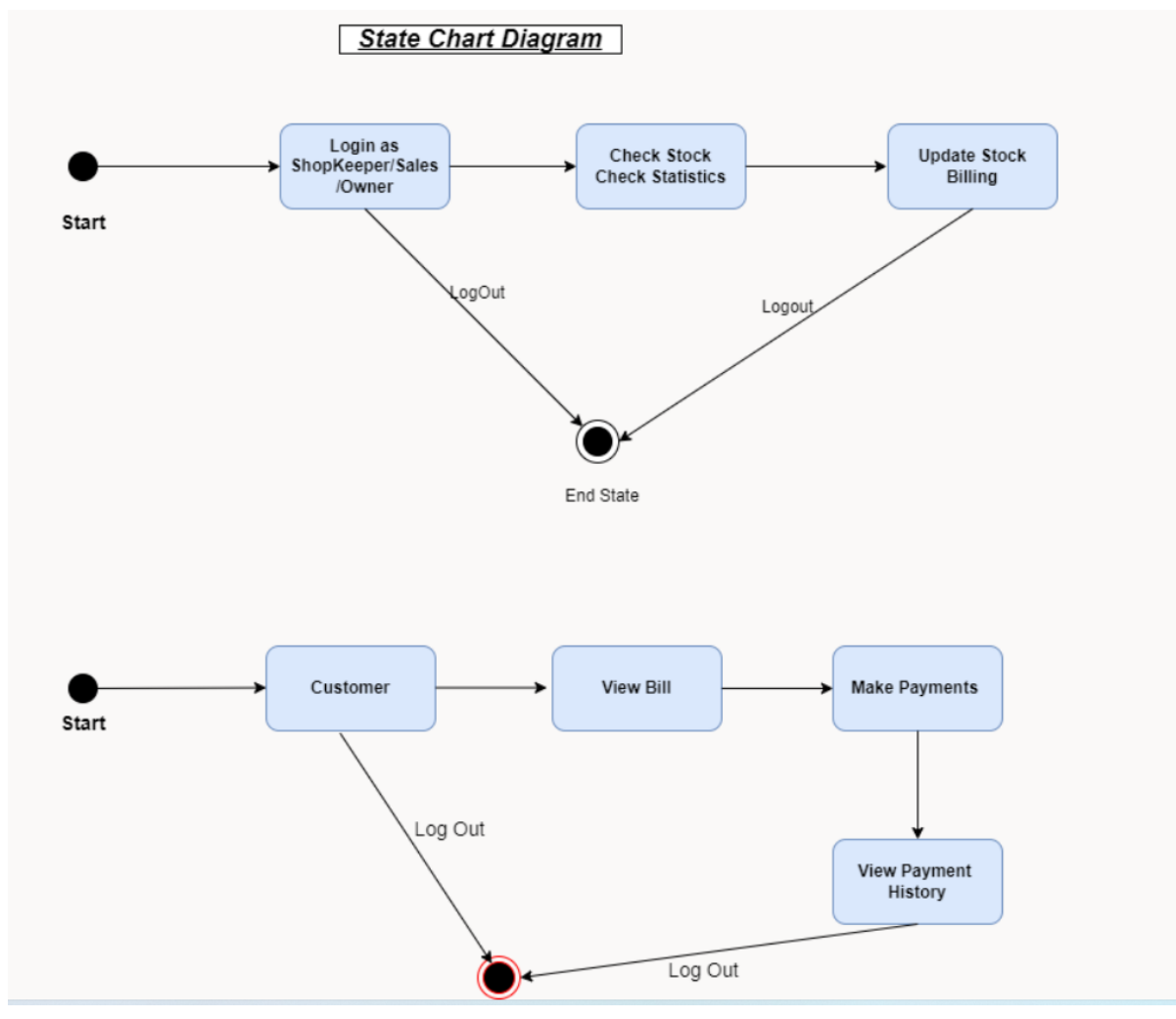
ACTIVITY DIAGRAM



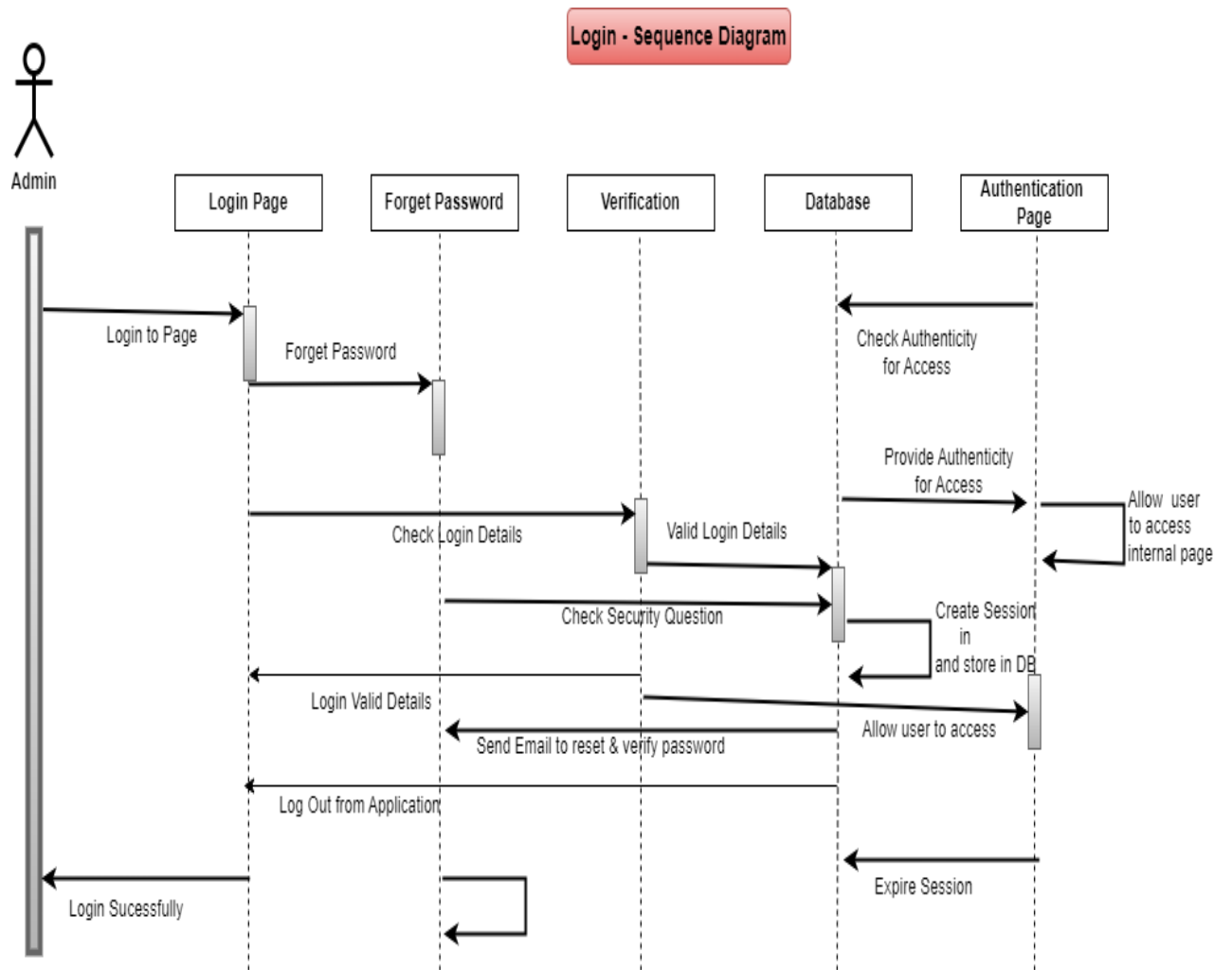


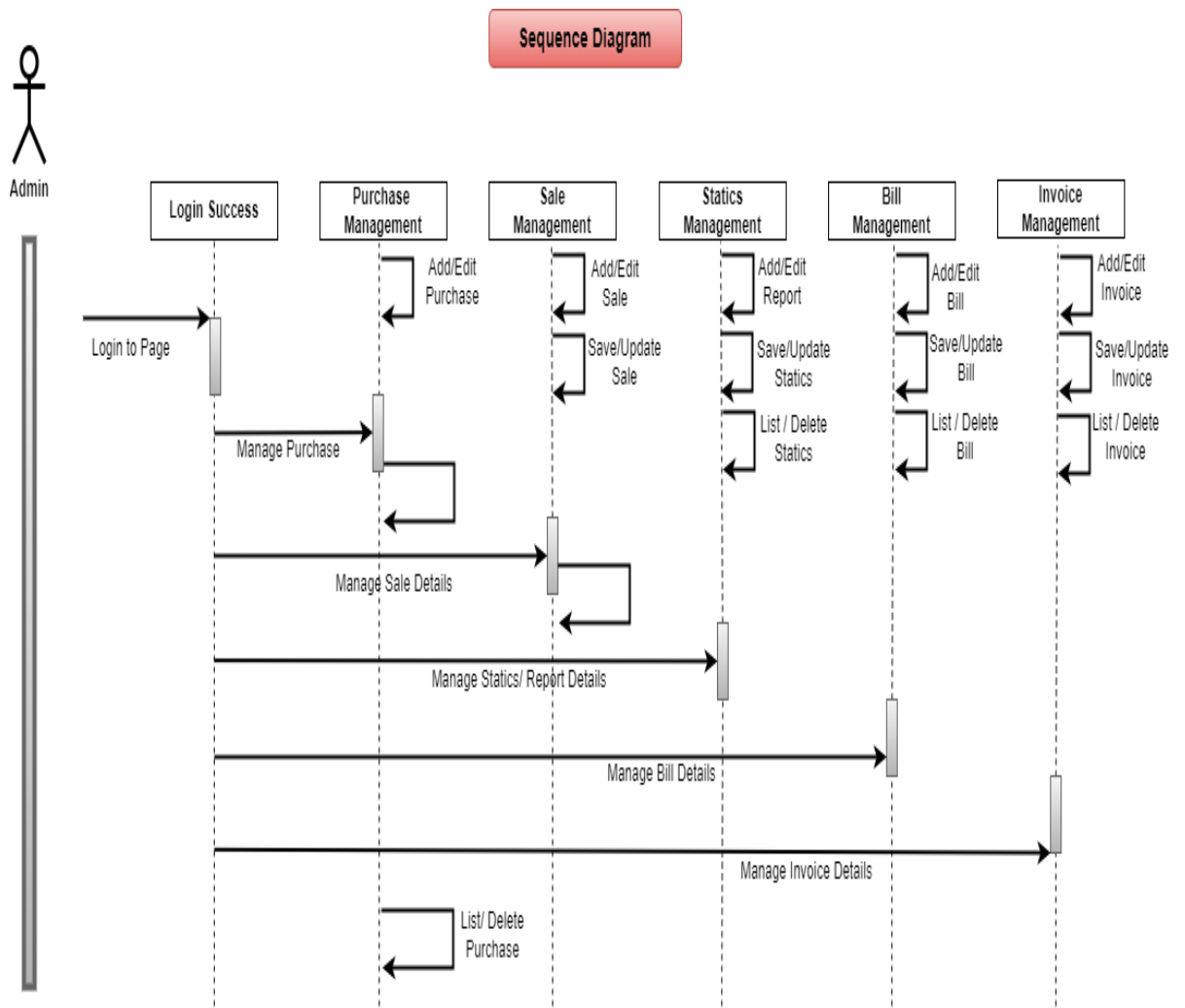


STATE CHART DIAGRAM

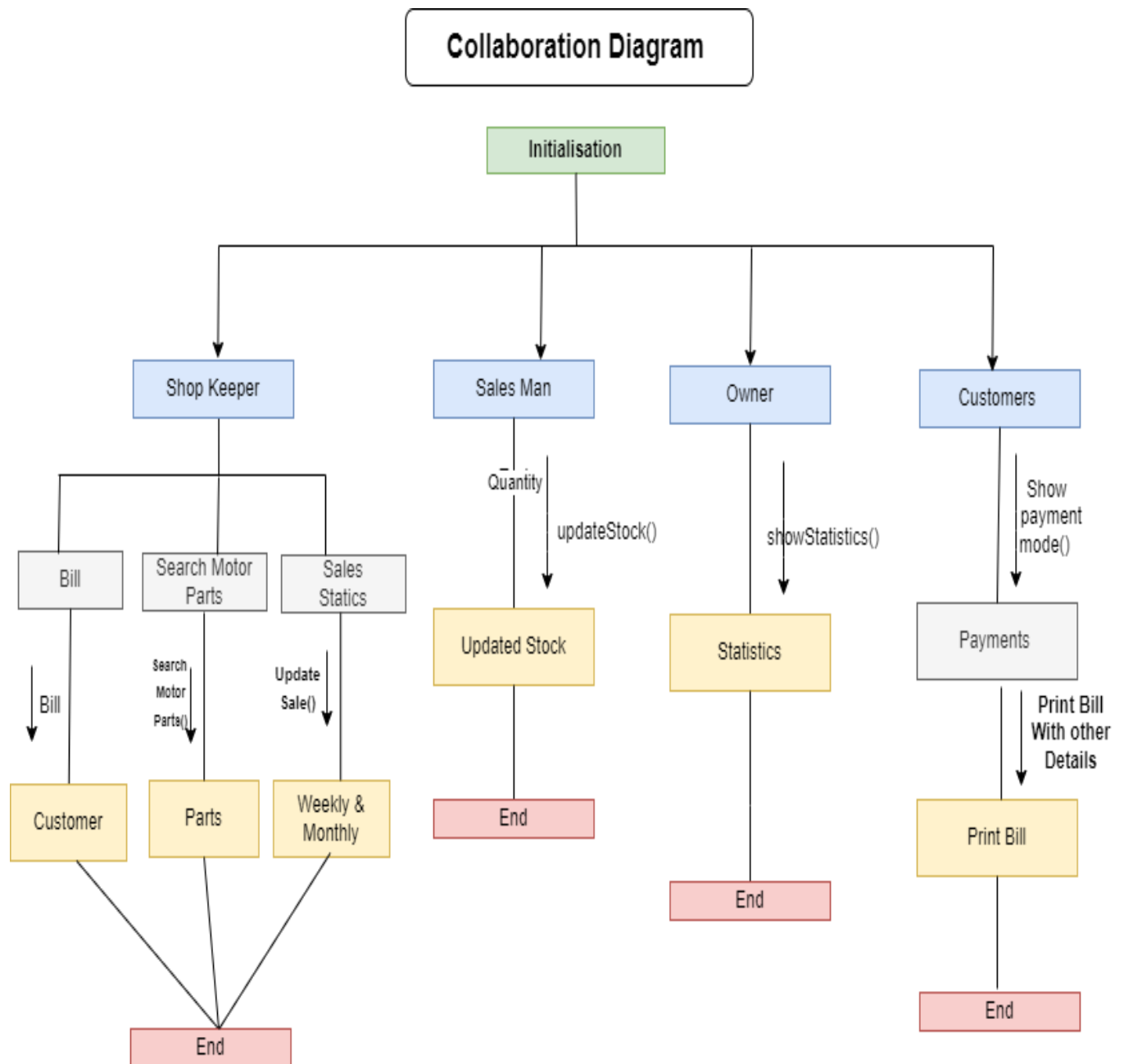


SEQUENCE DIAGRAM





COLLABORATION DIAGRAM



8. User Interface

8.1 Owner

The screenshot displays the Motor Parts Shop Software Admin interface. The left sidebar contains navigation links for Dashboard, Product List, Inventory, Orders, Service Requests, Mechanic List, Registered Clients, Reports, Service Requests Report, Orders Report, Maintenance, Brand List, Category List, Service List, User List, and Settings. The main content area shows three views: List of Brands, List of Categories, and a Welcome Dashboard.

List of Brands

Search:

#	Date Created	Logo	Brand	Status	Action
1	2023-04-14 10:03		Bajaj	Active	Action
2	2023-04-14 10:10		Hero	Active	Action
3	2023-04-14 10:18		Honda	Active	Action
4	2023-04-14 13:54		MRF	Active	Action
5	2023-04-14 10:17		Sony	Active	Action
6	2023-04-17 16:49		Tata	Active	Action
7	2023-04-14 13:55		Volvo	Active	Action

Showing 1 to 7 of 7 entries

List of Categories

Search:

#	Date Created	Category	Status	Action
1	2023-04-11 09:42	Accessories	Active	Action
2	2023-04-11 13:55	Body Parts	Active	Action
3	2023-04-11 09:43	Chassis	Active	Action
4	2023-04-11 10:34	Machine Parts	Active	Action
5	2023-04-11 10:33	Oils	Active	Action
6	2023-04-11 10:33	Tires	Active	Action
7	2023-04-11 09:42	Tools	Active	Action

Showing 1 to 7 of 7 entries

Welcome to Motor Parts Shop Software

Total Brands 7	Total Category 7	Mechanics 3	Services 10
Registered Clients 2	Pending Orders 0	Confirmed Orders 0	Orders For Delivery 0
On the Way Orders 0	Delivered Orders 9	Cancelled Orders 0	Finished Requests 6

MPSS

Dashboard

Product List

Inventory

Orders

Service Requests

Mechanic List

Registered Clients

Reports

Service Requests Report

Orders Report

Maintenance

Brand List

Category List

Service List

User List

Settings

Motor Parts Shop Software - Admin

Owner

Product Stocks

+ Add New

Show 10 entries

Search:

#	Date Created	Brand	Product	Quantity	Action
1	2023-04-17 16:00	Volvo	Air Bag	49	Action
2	2023-04-17 16:00	Bajaj	Engine	50	Action
3	2023-04-17 16:00	Honda	Mirror	50	Action
4	2023-04-17 13:57	Tata	Oil	50	Action
5	2023-04-17 16:00	Hero	Seat	49	Action
6	2023-04-17 13:21	Sony	Speaker	50	Action
7	2023-04-17 14:03	MRF	Tire	49	Action

Showing 1 to 7 of 7 entries

Previous 1 Next

MPSS

Dashboard

Product List

Inventory

Orders

Service Requests

Mechanic List

Registered Clients

Reports

Service Requests Report

Orders Report

Maintenance

Brand List

Category List

Service List

User List

Settings

Motor Parts Shop Software - Admin

Owner

List of Mechanics

+ Create New

Show 10 entries

Search:

#	Date Created	Name	Contact	Status	Action
1	2023-04-13 10:26	Shidharth Mishra	09123456789 mishra@gmail.com	Active	Action
2	2023-04-13 10:30	Somnath	09112355598 sornnath@gmail.com	Active	Action

Showing 1 to 2 of 2 entries

Previous 1 Next

MPSS

Dashboard

Product List

Inventory

Orders

Service Requests

Mechanic List

Registered Clients

Reports

Service Requests Report

Orders Report

Maintenance

Brand List

Category List

Service List

User List

Settings

Motor Parts Shop Software - Admin

Owner

Vehicle Service Requests Report

Date Start

10/04/2023

Date End

17/04/2023

Filter

Print

Motor Parts Shop Software

Order Report

Date Between 2023-04-10 and 2023-04-17

#	Date Time	Ref. Code	Client Name	Total Amount	Status
1	2023-04-17 18:42:06	202304-00001	Male, sushil	62,500.00	Delivered

MPSS

Dashboard

Product List

Inventory

Orders

Service Requests

Mechanic List

Registered Clients

Reports

Service Requests Report

Orders Report

Maintenance

Brand List

Category List

Service List

User List

Settings

Motor Parts Shop Software - Admin

Owner

Order List

Showing 1 to 1 of 1 entries

Search:

#	Date Ordered	Ref. Code	Client	Total Amount	Status	Action
1	2023-04-17 18:42	202304-00001	Male, sushil	62,500.00	Delivered	View

Showing 1 to 1 of 1 entries

Previous 1 Next

MPSS

Dashboard

Product List

Inventory

Orders

Service Requests

Mechanic List

Registered Clients

Reports

Service Requests Report

Orders Report

Maintenance

Brand List

Category List

Service List

User List

Settings

Motor Parts Shop Software - Admin

Owner

List of Products

Showing 1 to 7 of 7 entries

Search:

Create New

#	Date Created	Brand	Name	Price	Status	Action
1	2023-04-17 16:00	Volvo	Air Bag	17,500.00	Active	Action
2	2023-04-17 16:00	Bajaj	Engine	95,000.00	Active	Action
3	2023-04-17 16:00	Honda	Mirror	4,500.00	Active	Action
4	2023-04-17 13:57	Tata	Oil	500.00	Active	Action
5	2023-04-17 16:00	Hero	Seat	30,000.00	Active	Action
6	2023-04-17 13:21	Sony	Speaker	10,000.00	Active	Action
7	2023-04-17 14:03	MRF	Tire	15,000.00	Active	Action

Showing 1 to 7 of 7 entries

Previous 1 Next

MPSS

Dashboard

Product List

Inventory

Orders

Service Requests

Mechanic List

Registered Clients

Reports

Service Requests Report

Orders Report

Maintenance

Brand List

Category List

Service List

User List

Settings

Motor Parts Shop Software - Admin

Owner

List of Clients

Showing 1 to 1 of 1 entries

Search:

#	Date Created	Name	Contact	Status	Action
1	2023-04-17 18:40	Male, Sushil	9135333332 sushil@gmail.com	Active	Action

Showing 1 to 1 of 1 entries

Previous 1 Next

MPSS

Dashboard

Product List

Inventory

Orders

Service Requests

Mechanic List

Registered Clients

Reports

Service Requests Report

Orders Report

Maintenance

Brand List

Category List

Service List

User List

Settings

Motor Parts Shop Software - Admin

Owner

List of Services

Create New

Show 10 entries

Search:

#	Date Created	Service Name	Description	Status	Action
1	2023-04-13 14:11	Change Oil		Active	Action
2	2023-04-13 14:12	Engine Tune up		Active	Action
3	2023-04-13 14:11	Overall Checkup		Active	Action
4	2023-04-13 14:12	Tire Replacement		Active	Action

Showing 1 to 4 of 4 entries

Previous 1 Next

MPSS

Dashboard

Product List

Inventory

Orders

Service Requests

Mechanic List

Registered Clients

Reports

Service Requests Report

Orders Report

Maintenance

Brand List

Category List

Service List

User List

Settings

Motor Parts Shop Software - Admin

Owner

Vehicle Service Requests Report

Date Start

Date End

Filter

Print

Motor Parts Shop Software

Service Requests Report

Date Between 2023-04-10 and 2023-04-17

#	Date Time	Owner Name	Vehicle Name	Vehicle Reg. No.	Assigned To	Service	Status
1	2023-04-17 18:42:31	Male, sushil	Bikes	1122	Somnath	Overall Checkup	Done

MPSS

Dashboard

Product List

Inventory

Orders

Service Requests

Mechanic List

Registered Clients

Reports

Service Requests Report

Orders Report

Maintenance

Brand List

Category List

Service List

User List

Settings

Motor Parts Shop Software - Admin

Owner

List of Service Requests

Create New

Show 10 entries

Search:

#	Date Created	Client Name	Service	Status	Action
1	2023-04-17 18:42	Male, Sushil	Overall Checkup	Done	Action

Showing 1 to 1 of 1 entries

Previous 1 Next

The screenshot displays the Motor Parts Shop Software Admin interface. The left sidebar contains navigation links for Dashboard, Product List, Inventory, Orders, Service Requests, Mechanic List, Registered Clients, Reports, Maintenance, Brand List, Category List, Service List, User List, and Settings. The main content area is divided into two sections.

System Information

System Name
Motor Parts Shop Software

System Short Name
MPSS

About Us

Motor Parts Shop Software sells automatic parts and related accessories to consumers repair shops through physical stores and websites and maintenance. Some automotive parts retailers also offer customer support and services related to automotive maintenance and repair.

System Logo
Choose file Browse

Website Cover
Choose file Browse

List of System Users

Show 10 entries Search:

#	Avatar	Name	Username	Type	Action
1		Shop Keeper	shopkeeper	Staff	Action

Showing 1 to 1 of 1 entries Previous 1 Next

8.2 Shop Keeper

The screenshot displays the Motor Parts Shop Software Admin interface for the Shop Keeper user. The left sidebar contains navigation links for Dashboard, Product List, Inventory, Orders, Service Requests, Mechanic List, Registered Clients, Reports, Maintenance, Brand List, Category List, Service List, User List, and Settings. The main content area shows a welcome message and a dashboard with various statistics.

Welcome to Motor Parts Shop Software

Total Brands 7	Total Category 7	Mechanics 3	Services 10
Registered Clients 2	Pending Orders 0	Confirmed Orders 0	Orders For Delivery 0
On the Way Orders 0	Delivered Orders 9	Cancelled Orders 0	Finished Requests 6

MPSS

Dashboard

Product List

Inventory

Orders

Service Requests

Mechanic List

Registered Clients

Reports

Service Requests Report

Orders Report

Motor Parts Shop Software - Admin

Shop Keeper

Product Stocks

+ Add New

Show 10 entries

Search:

#	Date Created	Brand	Product	Quantity	Action
1	2023-04-17 16:00	Volvo	Air Bag	49	Action
2	2023-04-17 16:00	Bajaj	Engine	50	Action
3	2023-04-17 16:00	Honda	Mirror	50	Action
4	2023-04-17 13:57	Tata	Oil	50	Action
5	2023-04-17 16:00	Hero	Seat	49	Action
6	2023-04-17 13:21	Sony	Speaker	50	Action
7	2023-04-17 14:03	MRF	Tire	49	Action

Showing 1 to 7 of 7 entries

Previous 1 Next

MPSS

Dashboard

Product List

Inventory

Orders

Service Requests

Mechanic List

Registered Clients

Reports

Service Requests Report

Orders Report

Motor Parts Shop Software - Admin

Shop Keeper

List of Mechanics

+ Create New

Show 10 entries

Search:

#	Date Created	Name	Contact	Status	Action
1	2023-04-13 10:26	Shidharth Mishra	09123456789 mishra@gmail.com	Active	Action
2	2023-04-13 10:30	Somnath	09112355598 sommnath@gmail.com	Active	Action

Showing 1 to 2 of 2 entries

Previous 1 Next

MPSS

Dashboard

Product List

Inventory

Orders

Service Requests

Mechanic List

Registered Clients

Reports

Service Requests Report

Orders Report

Motor Parts Shop Software - Admin

Shop Keeper

Vehicle Service Requests Report

Date Start 10/04/2023 Date End 17/04/2023 Filter Print

Motor Parts Shop Software
Order Report
Date Between 2023-04-10 and 2023-04-17

#	Date Time	Ref. Code	Client Name	Total Amount	Status
1	2023-04-17 18:42:06	202304-00001	Male, sushil	62,500.00	Delivered

MPSS

Dashboard

Product List

Inventory

Orders

Service Requests

Mechanic List

Registered Clients

Reports

Service Requests Report

Orders Report

Motor Parts Shop Software - Admin

Shop Keeper

Order List

Show 10 entries

Search:

#	Date Ordered	Ref. Code	Client	Total Amount	Status	Action
1	2023-04-17 18:42	202304-00001	Male, sushil	62,500.00	Delivered	View

Showing 1 to 1 of 1 entries

Previous 1 Next

MPSS

Dashboard

Product List

Inventory

Orders

Service Requests

Mechanic List

Registered Clients

Reports

Service Requests Report

Orders Report

Motor Parts Shop Software - Admin

Shop Keeper

List of Products

+ Create New

Show 10 entries

Search:

#	Date Created	Brand	Name	Price	Status	Action
1	2023-04-17 16:00	Volvo	Air Bag	17,500.00	Active	Action
2	2023-04-17 16:00	Bajaj	Engine	95,000.00	Active	Action
3	2023-04-17 16:00	Honda	Mirror	4,500.00	Active	Action
4	2023-04-17 13:57	Tata	Oil	500.00	Active	Action
5	2023-04-17 16:00	Hero	Seat	30,000.00	Active	Action
6	2023-04-17 13:21	Sony	Speaker	10,000.00	Active	Action
7	2023-04-17 14:03	MRF	Tire	15,000.00	Active	Action

Showing 1 to 7 of 7 entries

Previous 1 Next

MPSS

Dashboard

Product List

Inventory

Orders

Service Requests

Mechanic List

Registered Clients

Reports

Service Requests Report

Orders Report

Motor Parts Shop Software - Admin

Shop Keeper

List of Clients

Show 10 entries

Search:

#	Date Created	Name	Contact	Status	Action
1	2023-04-17 18:40	Male, Sushil	9135333332 sushil@gmail.com	Active	Action

Showing 1 to 1 of 1 entries

Previous 1 Next

MPSS

Dashboard

Product List

Inventory

Orders

Service Requests

Mechanic List

Registered Clients

Reports

Service Requests Report

Orders Report

Motor Parts Shop Software - Admin

Shop Keeper

Vehicle Service Requests Report

Date Start

Date End

10/04/2023

17/04/2023

Filter

Print

Motor Parts Shop Software

Service Requests Report

Date Between 2023-04-10 and 2023-04-17

#	Date Time	Owner Name	Vehicle Name	Vehicle Reg. No.	Assigned To	Service	Status
1	2023-04-17 18:42:31	Male, sushil	Bikes	1122	Somnathi	Overall Checkup	Done

MPSS

Dashboard

Product List

Inventory

Orders

Service Requests

Mechanic List

Registered Clients

Reports

Service Requests Report

Orders Report

Motor Parts Shop Software - Admin

Shop Keeper

List of Service Requests

+ Create New

Show 10 entries

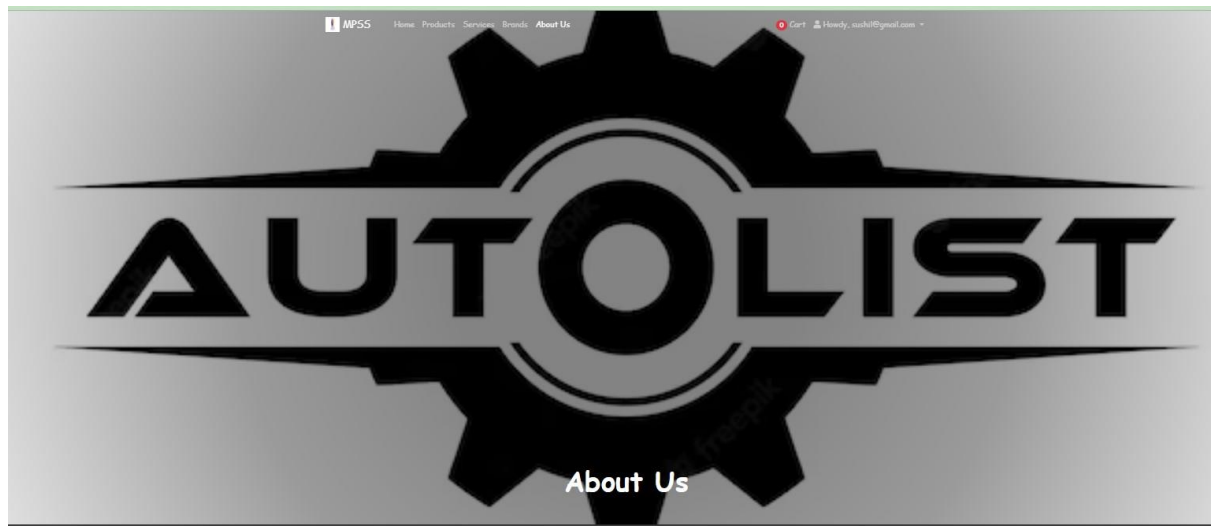
Search:

#	Date Created	Client Name	Service	Status	Action
1	2023-04-17 18:42	Male, Sushil	Overall Checkup	Done	Action

Showing 1 to 1 of 1 entries

Previous 1 Next

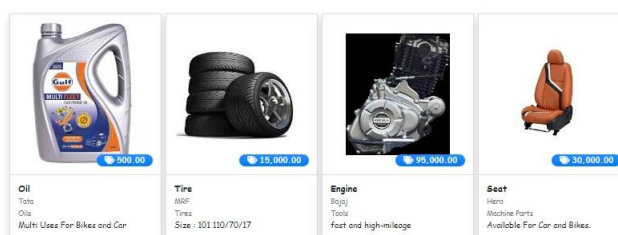
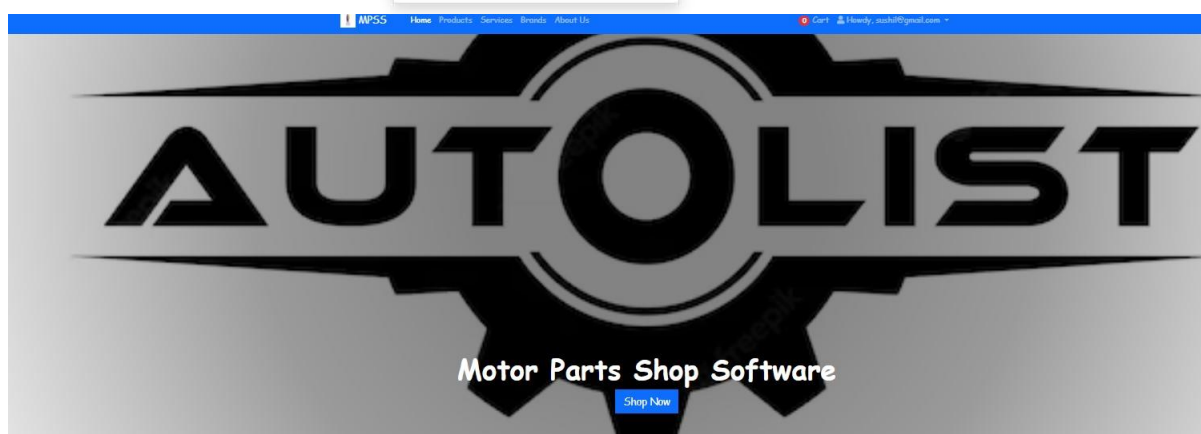
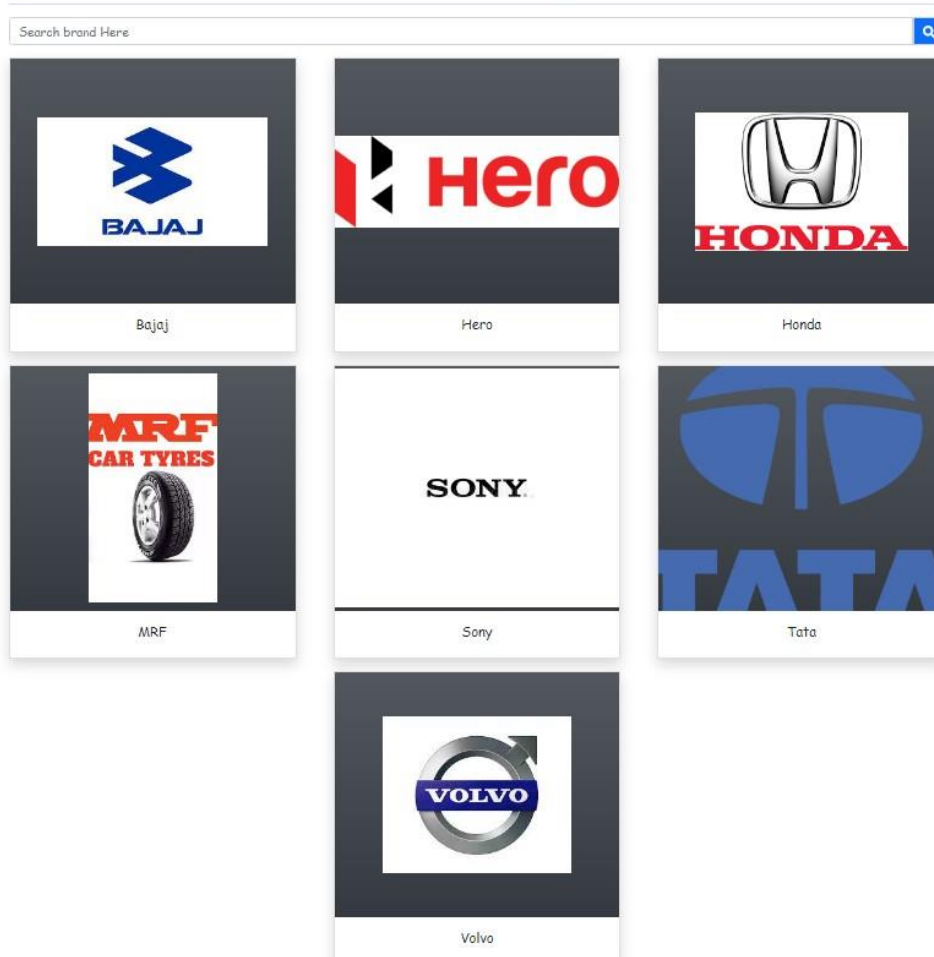
8.3 Customer



About Us

Motor Parts Shop Software sells automatic parts and related accessories to consumers repair shops through physical stores and websites and maintenance. Some automotive parts retailers also offer customer support and services related to automotive maintenance and repair.

Brands in Our Shop



[Home](#)
[Products](#)
[Services](#)
[Brands](#)
[About Us](#)

0 Cart
Hardy.sushil@gmail.com

Filters

Brands

- ☒ All
- ☒ Bajaj
- ☒ Hero
- ☒ Honda
- ☒ MRF
- ☒ Sony
- ☒ Tata
- ☒ Volvo

Categories

- ☒ All
- ☒ Accessories
- ☒ Body Parts
- ☒ Chassis
- ☒ Machine Parts
- ☒ Oils
- ☒ Tires
- ☒ Tools

Oil
Tata
Oils
Multi Uses For Bikes and Car

₹ 500.00

Air Bag
Volvo
Machine Parts
Quick and fast open within 0.00000001 sec

₹ 17,500.00

Mirror
Honda
Body Parts
2 nos of Quantity

₹ 4,500.00

Seat
Hero
Machine Parts
Available For Car and Bikes.

₹ 30,000.00

Tire
MRF
Tires
Size : 101 110/70/17

₹ 15,000.00

Engine
Bajaj
Tools
fast and high-mileage

₹ 95,000.00

Speaker

₹ 10,000.00



Our Services

<input type="text" value="Search Service Here"/>		<input type="button" value="q"/>
<input type="button" value="Change Oil"/>	<input type="button" value="Engine Tune up"/>	
<input type="button" value="Overall Checkup"/>	<input type="button" value="Tire Replacement"/>	

10. Testing

Testing strategy: [Unit testing](#)

FUNCTION-ALITY	INPUT	EXPECTED OUTPUT	ACTUAL OUTPUT	STATUS
Login	ID, password	Login if details correct	User authenticated	Pass
Add parts	Vendor, size amount, price,	Add corresponding part	Corresponding part added.	Pass
Sell parts	Selected products	Purchase selected products	Selected products purchased with correct total price	Pass
Calculate revenue	Details of all orders	Correct revenue	Correctly calculated revenue generated	Pass
Generate items to order	Threshold, items left	Items to be ordered	Items with quantity falling below threshold generated	Pass