

[MOBILE SHOP MANAGEMENT SYSTEM]

A project submitted to

UKA TARSADIA UNIVERSITY

in partial fulfillment of the requirements for the degree of

Bachelor of Science

in

Information Technology

for

5 Years Integrated M.Sc.(IT)

By

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December 2020
CERTIFICATE**

This is to certify that **Dhruvesh Narigara (201906100110030)** , **Abhishek Avaiya (201906100110031)** , **Dhruvin Gorasiya (201906100110033)** has submitted project entitled “**Mobile Shop Management System**” as the partial fulfillment for the award of the degree of Bachelor of Science in Information Technology for 5 Years Integrated M.Sc.(IT) in 2020 – 2021.

Date:

Place:

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Guide

Dr. Jitendra Nasriwala

Programme Coordinator,

External Examiner

GROUP NO :- 28

**ENRO NO :- 201906100110030 , 201906100110031 ,
201906100110033**



Babu Madhav Institute of Information Technology,

Uka Tarsadia University,

Bardoli – 394350

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1. Introduction

1.1 Problem Definition

- In manual Mobile Shop Management System shopping process is expensive and time consuming for customer because everyone used to go to shop and purchase their products. It requires money for employee, place, paper and other taxes and charges. For calculating bill, admin have to count bill manually. So this slow down the process of the system. So the objective of making this online system is to make shopping process easier and faster.

1.2 Initial Requirement Document

Title of the Project	Mobile Shop Management System
Stakeholders involved in capturing requirement	Dhruvesh Narigara , Abhishek Avaiya , Dhruvin Gorasiya , Preeti Bhatt
Techniques used for requirement capturing	Brainstorming, Group Decision, Capturing
Name of the person along with designation	
Date	August ,2021
Users of the system	User
Version	1.0
Consolidated list of initial Requirements:	
1	System shall be able to authenticate of username and password.
2	System shall be give the facility of registration of the new customer.
3	A system is to be implemented which can run on internet.
4	There are 3 types of User : <ul style="list-style-type: none"> • Admin • Customer • Staff
5	Admin shall be able to view and search details of user.
6	Admin shall be able to add, update and delete the product.
7	Admin shall be able to manage product and it's details.
8	System shall be able to manage payment details.
9	Payment only in cash on delivery and Net-Banking.
10	Admin shall be able to manage stock details, order details , cart details etc...

11	Customer shall be able to check all the mobile details.
12	Customer shall be able to do the process of order.
13	Customer shall be able to maintain their product.
14	Customer shall be able to view the status of order.
15	Registered customers shall be able to give feedback.
16	The System will be Generate report like, <ul style="list-style-type: none">• Generate Bill• Order Receipt

1.3 Project Objective

- The main Objective “Mobile Shop Management System” is make shopping process online. So any customer can order any time. Maintain system in a computer way . The record is stored with security. To provide best customer services. Customer can give the feedback. Save a lot of time and Optimize process time.

1.4 Scope

- System is portable. This system uses for any particular city. Payment is COD and Net-Banking.

2. Overall Description

2.1 Product Perspective/ Environment Description

2.1.1 Hardware Interface/ Hardware Specification

- Required Processor :- Pentium 90 MHz or faster
- Required RAM : 4.0 GB
- 2 GB of available for installation
- CD - ROM drive (only for installation)
- 1,023x768 display (1,280x800 recommend)

2.1.2 Software Interface/ Software Specification

- Type : web-based application
- Front end :- html , Bootstrap
- Back end :- phpMyAdmin , MYSQL
- Operating system : NETBEANS IDE , XAMPP SERVER , UMLATE

3. System Planning :

3.1 Software Engineering Model

- The model is used for developing the “Mobile Shop Management system” is the spiral model. In this system first we take initial requirements from customer and develop throwaway protocol. After this we take feedback of user and based on customer feedback redefine and update requirement. this process run until the requirement are finalized and after that final SRS prepare. Next phase is similar to waterfall model. Use of this model advantages are Stable requirement, high quality system and low cost. Prototyping Model is based on the idea of developing an initial implementation, exposing this to user comment and defining this through many until an adequate system has been developed.

4. System Specific Requirements

4.1 Functional Requirement

1. Manage user login :

RN	Description	Comment
FR1	Customer can login with their unique 'Email id' and 'password' .	Login page
FR2	User will be able to use all the features after the authenticate of username and password.	Home page
FR3	The admin , customer and staff will be able to logout from the system anytime they want.	Logout page

➤ Manage staff

RN	Description	Comment
FR1	Admin / staff can login with their unique 'Email id' and 'password'	Login page
FR2	Admin will be able to all the features after the authenticate of username and password. Like : Add , update , view and delete	Add / update page
FR3	The admin will be able to logout from the system anytime they want.	Logout page

➤ Manage product

RN	Description	Comment
FR1	Admin shall be able to manage all the product.	product page
FR2	Customer shall be able to view the products.	View
FR3	The system will assign a unique id(Product key) to each product.	Product page
FR4	Admin will able manage many other module :	Product page

	<ul style="list-style-type: none"> • Add / edit / view / active and deactive • Manage type • Manage offer 	
--	--	--

➤ Manage customer

RN	Description	Comment
FR1	This module is managed by admin , customer and staff.	Manage customer page
FR2	The system will assign a unique id(customer id) and password.	Add customer page
FR3	Customer can perform the operations like : <ul style="list-style-type: none"> • Do order • Edit profile • Add to cart 	Customer page
FR4	Admin shall be able to view the customer details.	Customer page

➤ Manage cart

RN	Description	Comment
FR1	Customer can add products to cart after login.	Add to cart page
FR2	This module will be managed by customer and admin.	Add to cart page
FR3	Customer will be able to perform the following operations : <ul style="list-style-type: none"> • Add cart • Edit cart • View cart • Delete cart 	View cart page

➤ Manage customer order

RN	Description	Comment
FR1	Customer can order after login.	Order page
FR2	This module will be managed by customer and admin.	Order page

➤ Manage Feedback :

RN	Description	Comment
FR1	This module will be managed by customer , admin and staff.	Feedback page
FR2	Admin will able to view the feedback	Feedback page
FR3	Customer can give the feedback.	Logout page

➤ Generate bill :

RN	Description	Comment
FR1	This module will be manage by admin and staff.	Bill page

➤ Generate report :

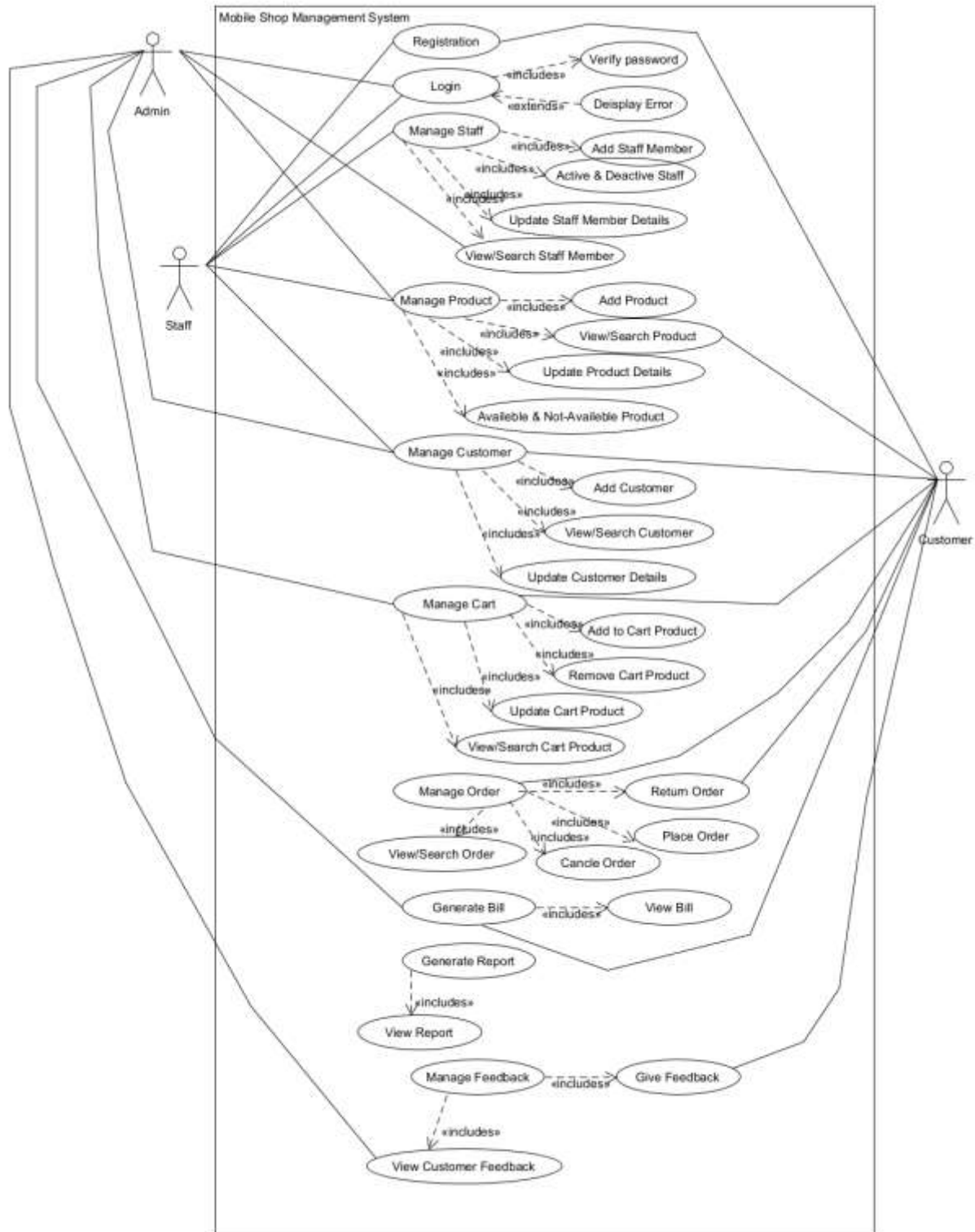
RN	Description	Comment
FR1	This module will be managed by admin.	Report page
FR2	Admin will able to generate reports like : <ul style="list-style-type: none"> • Employee report • Customer report 	Report page

4.2 Non-functional Requirement

- Security
 - Encrypt password.
- Availability
 - System will be available 24*7.
 - It will access at any place.
- Portability
 - It will be supporting any hardware device.

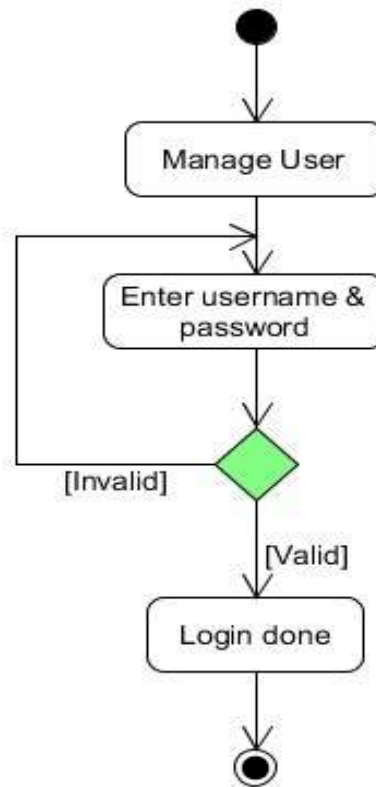
5. Use case Diagram

MOBILE SHOP MANAGEMENT SYSTEM

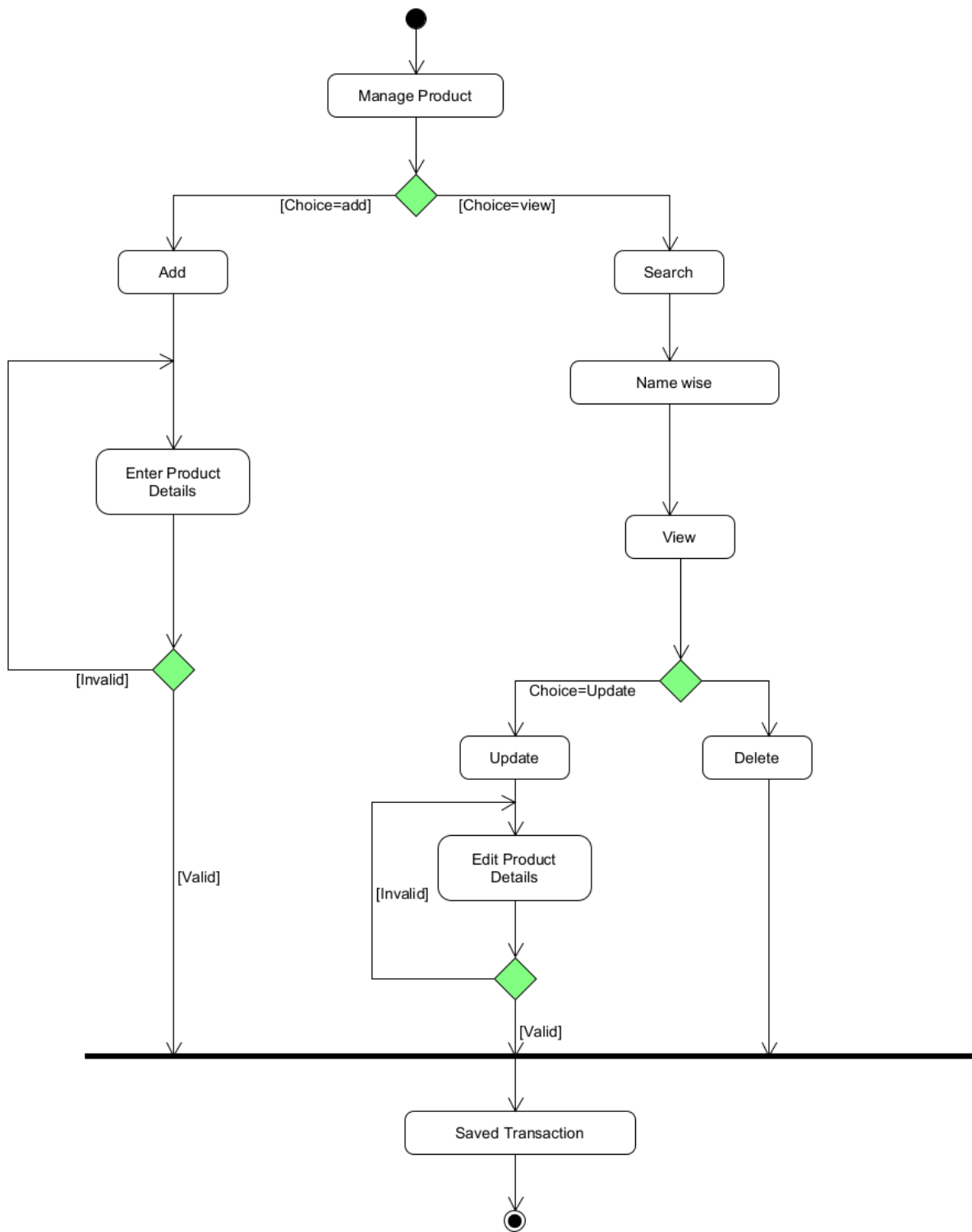


5.1 Activity Diagrams:-

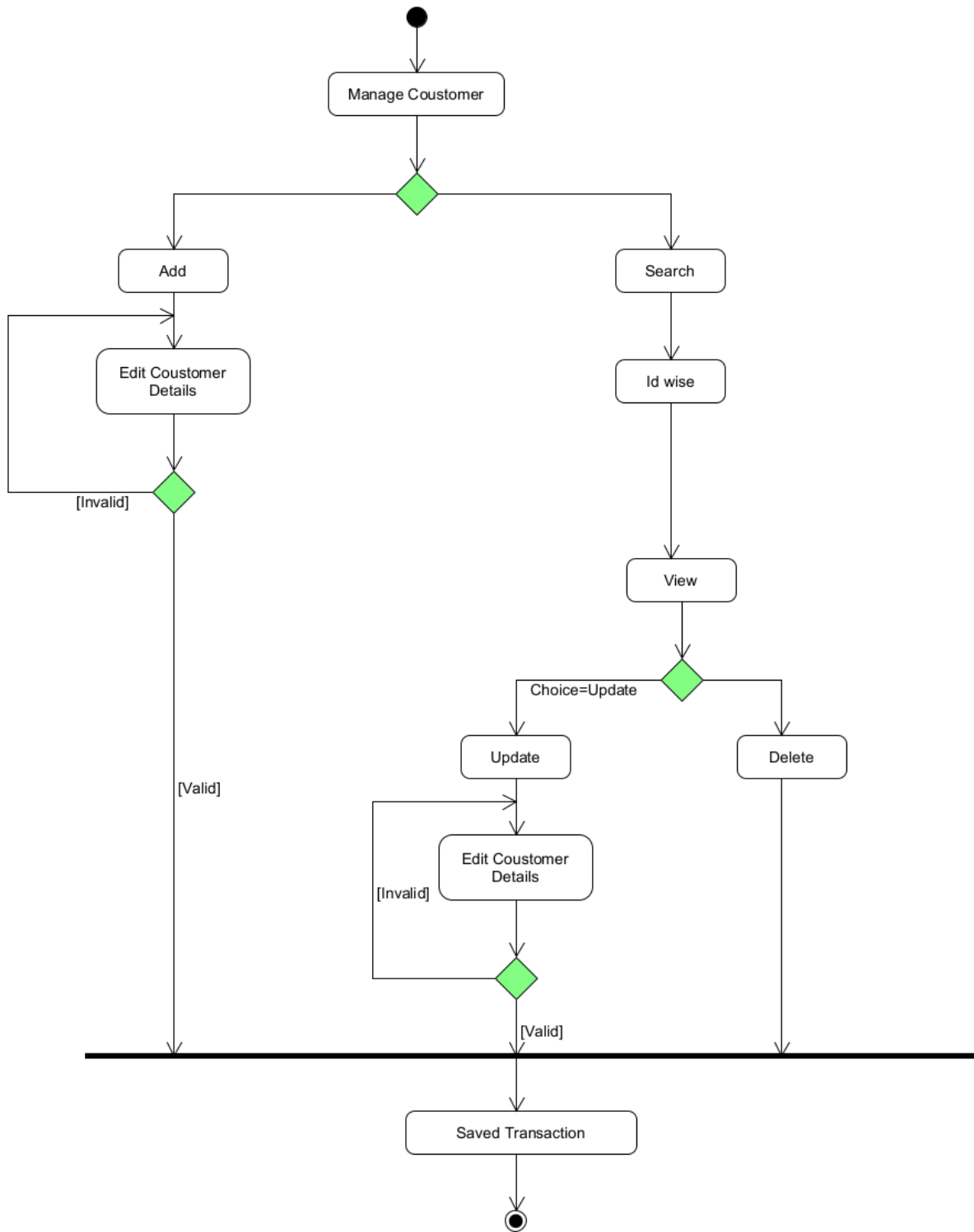
5.1.1 Activity Diagram for Manage User Login :-



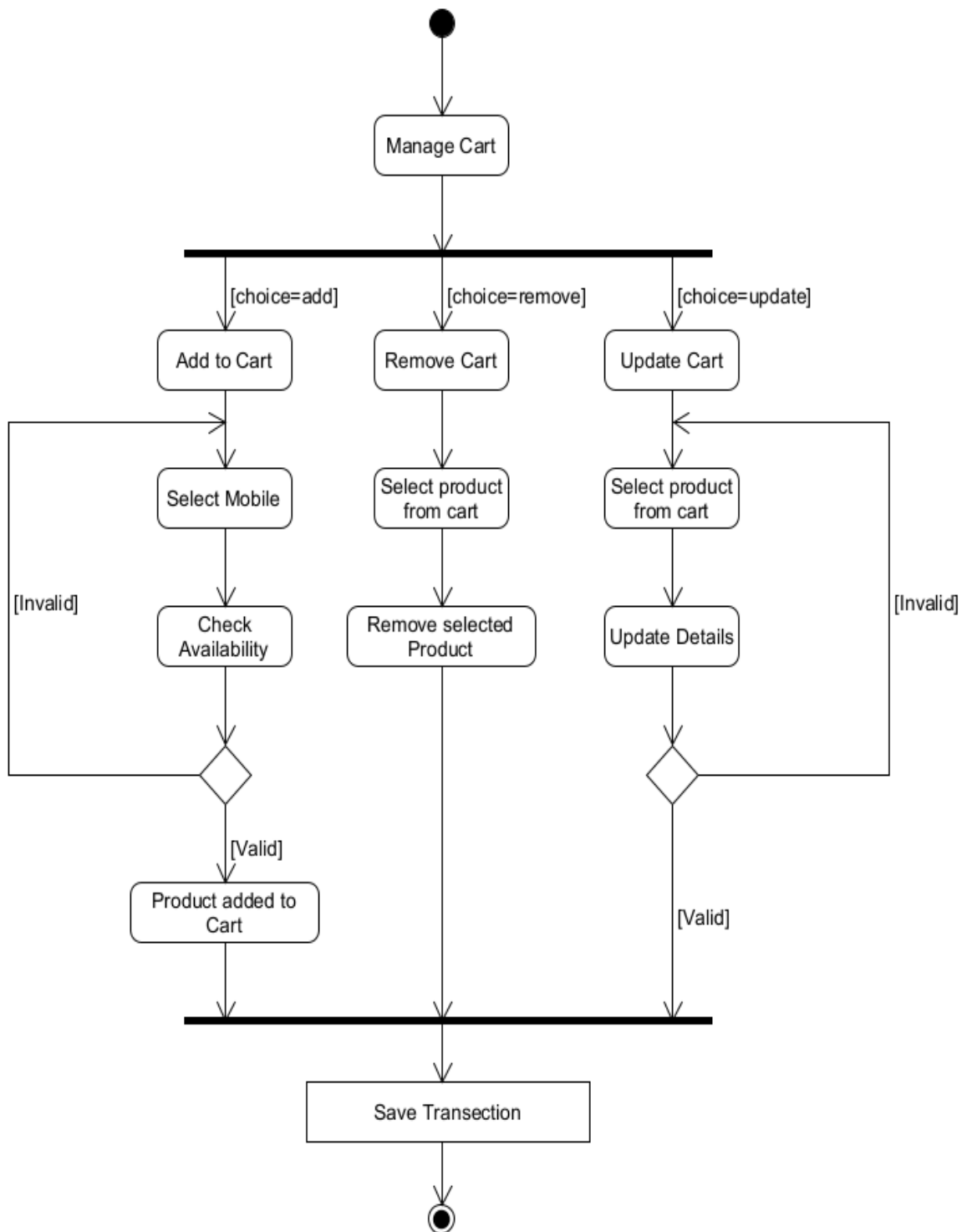
5.1.2 Activity Diagram for Manage Product :-



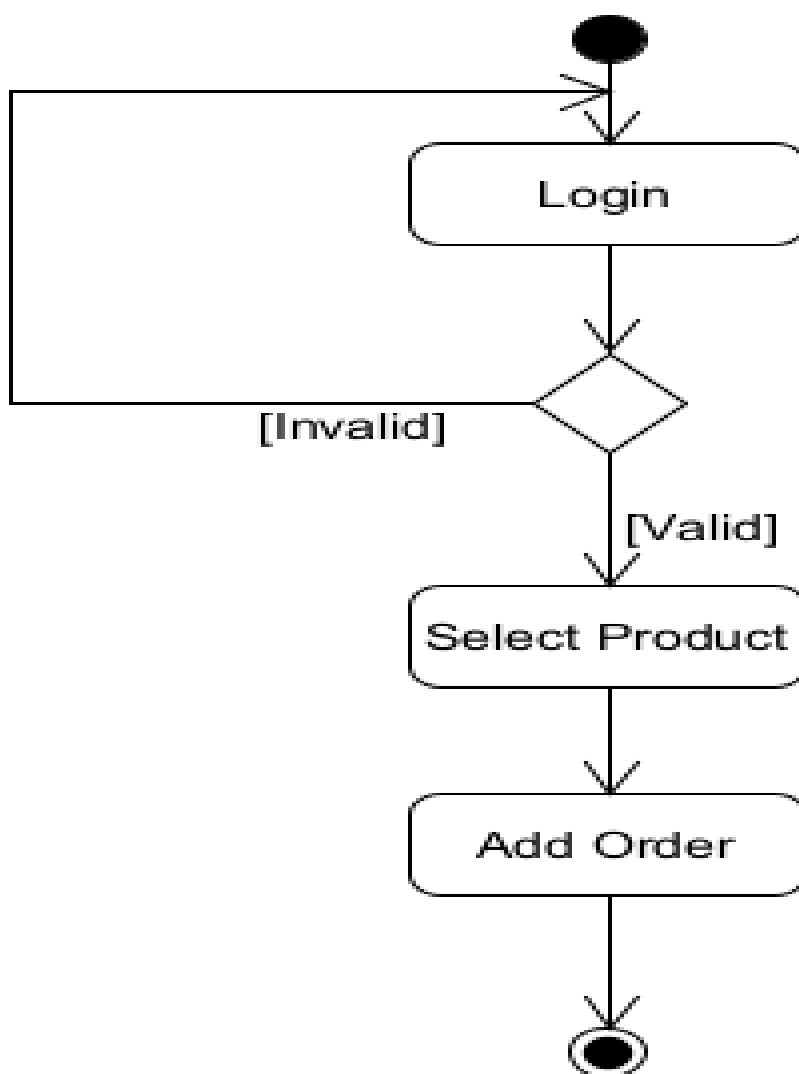
5.1.3 Activity Diagram for Manage Customer :-



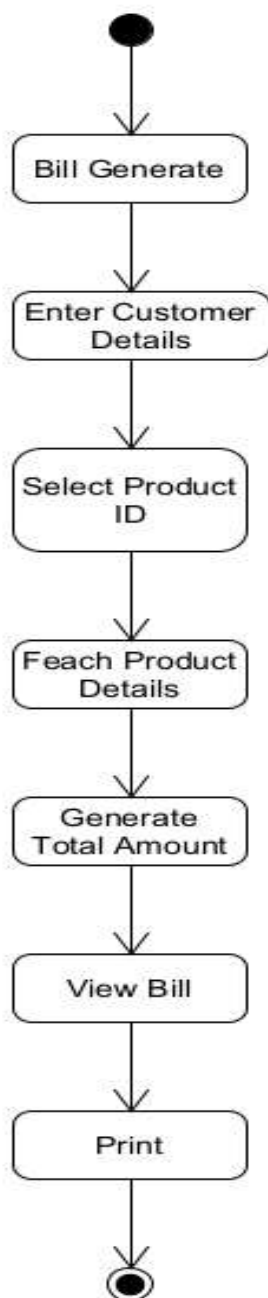
5.1.4 Activity Diagram for Manage Cart :-



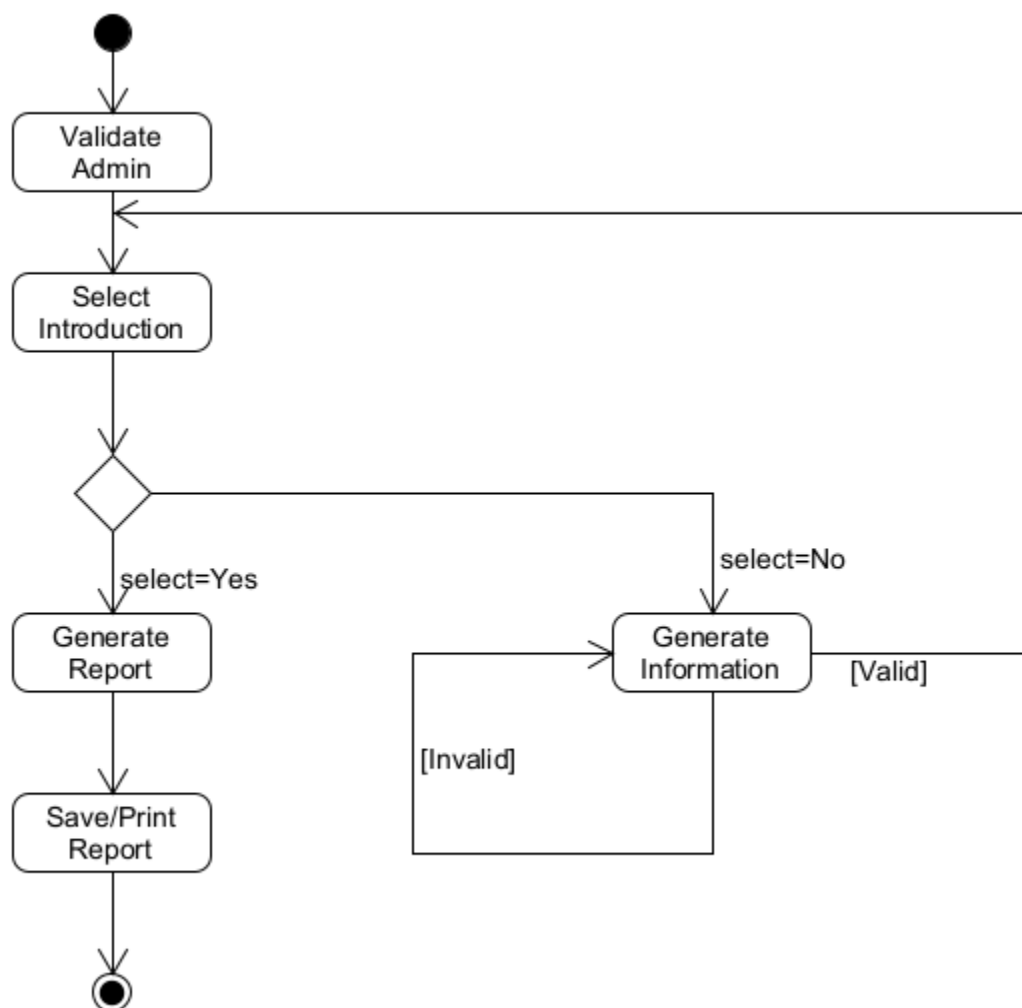
5.1.5 Activity Diagram for Manage Customer Order :-



5.1.6 Activity Diagram for Generate Bill :



5.1.7 Activity Diagram for Generate Report :-



6. System Design

6.1 Database Design

6.1.1 Database Schema

1. Tbl_Customer : (C_ID[PK], C_Name, Contact Number, City, Email, Password)
FD : C_ID -> C_Name, Contact Number, City, Email, Password)

2. Tbl_Staff : (S_ID[PK], S_Name, Gender, Contact Number, City, ID Proof, Address, Age, Email, Password)
FD : S_ID -> S_Name, Gender, Contact Number, City, ID Proof, Address, Age, Email, Password

3. Tbl_Product : (P_ID[PK], P_Name, Company, Model, Quantity, Image, Price, Description)
FD : P_ID -> P_Name, Company, Model, Quantity, Image, Price, Description

4. Tbl_Order : (O_ID[PK], C_ID, P_id , O_Date , Quantity , Price)
FD : O_ID -> C_ID, P_id , O_Date , Quantity , Price)

5. Tbl_Add_to_Cart : (A_ID[PK], C_ID,P_ID, Quantity ,Price)
FD : A_ID -> C_ID, P_ID, Quantity, Price

6. Tbl_Order_Details (O_D_ID[PK] , C_ID ,O_ID, Price)
FD : O_D_ID[PK] ->C_ID,O_ID, Price

7. Tbl_Feedback : (F_ID[PK] ,C_ID[FK], Description)

FD : F_ID -> C_ID[FK] ,Description

8. Tbl_Bill : (B_ID[PK], O_D_ID[FK], Bill Status)

FD : B_ID[PK] -> O_D_ID[FK], Bill Status

6.2.2 Data Dictionary

1. Tbl_Customer :

Sr.no	Attribute Name	Data Type	Size	Constraint	Description
1	C_ID	Int	10	Primary Key	It holds unique Customer ID.
2	C_Name	Varchar	20	Not null	It holds Customer Name
3	Contact Number	Big Integer	10	Not null , unique	It holds unique contact number of Customer.
4.	City	Varchar	20	Not null	It holds city of Customer.
5	Email	Email	50	Not null	It holds email of Customer.
6	Password	Password	12	Not null	It holds password of Customer.

2. Tbl_Staff :

Sr.no	Attribute Name	Data Type	Size	Constraint	Description
1	S_ID	Int	10	Primary Key	It holds unique Staff ID.
2	S_Name	Varchar	20	Not null	It holds Staff Name
3	Gender	Char	6	Not null	It holds Staff Gender
4	Contact Number	Big Integer	10	Not null , unique	It holds unique contact number of Staff.
5.	City	Varchar	20	Not null	It holds city of Staff.
6.	Id Proof	Varchar	30	Not null	It holds id proof of Staff.
7.	Address	Varchar	70	Not Null	It holds address of Staff.
8.	Age	int	3	Not null	It holds age of Staff.
9	Email	Email	20	Not null	It holds email of staff.
10	Password	Password	12	Not null	It holds password of staff.

3. Tbl_Product

Sr.no	Attribute Name	Data Type	Size	Constraint	Description
1	P_ID	Int	10	Primary Key	It holds unique product ID.
2	P_Name	Varchar	20	Not null	It holds product Name
3	Company	varchar	20	Not null	It holds product Company.
4	Model	Varchar	30	Not null	It holds product model.
5.	Quantity	Int	11	Not null	It holds quantity of product.
6.	Image	Varchar	30	Not null	It holds product image.
7.	Price	Int	11	Not Null	It holds product price.
8.	Description	Varchar	250	Not null	It holds product description.

4. Tbl_Order:-

Sr.no	Attribute Name	Data Type	Size	Constraint	Description
1	O_ID	Int	10	Primary Key	It holds unique order ID.
2	C_ID	Int	10	Foreign Key	It holds the C_ID from the customer table.
3	P_ID	int		Not null	It holds product id.
4	O_Date	date	-	Not null	It holds the date.
5	Quantity	Int		Not null	Holds the quantity
6	Price	Float	10,2	Not null	It holds total amount of the product.

5. Tbl_Order_Details :-

Sr.no	Attribute Name	Data Type	Size	Constraint	Description
1	O_D_ID	Int	10	Primary Key	Its holds the O_D_ID
2	C_ID	Int	10		It holds C_ID.
3	O_ID	Int	10		It holds the O_ID from the order table.
4.	Price	float	10,2	Not null	It holds price.

6. Tbl_Add_To_Cart :-

Sr.no	Attribute Name	Data Type	Size	Constraint	Description
1	A_ID	Int	10	Primary Key	It holds unique product ID from the product table.
2	C_ID	Int	10	Foreign Key	It holds the C_ID from the customer table.
3.	P_ID	Int	10		It holds the product Id.
4.	Quantity	int	10	Not null	It holds the quantity.
5.	Price	Float	10,2		Its holds price

7. Tbl_Feedback :-

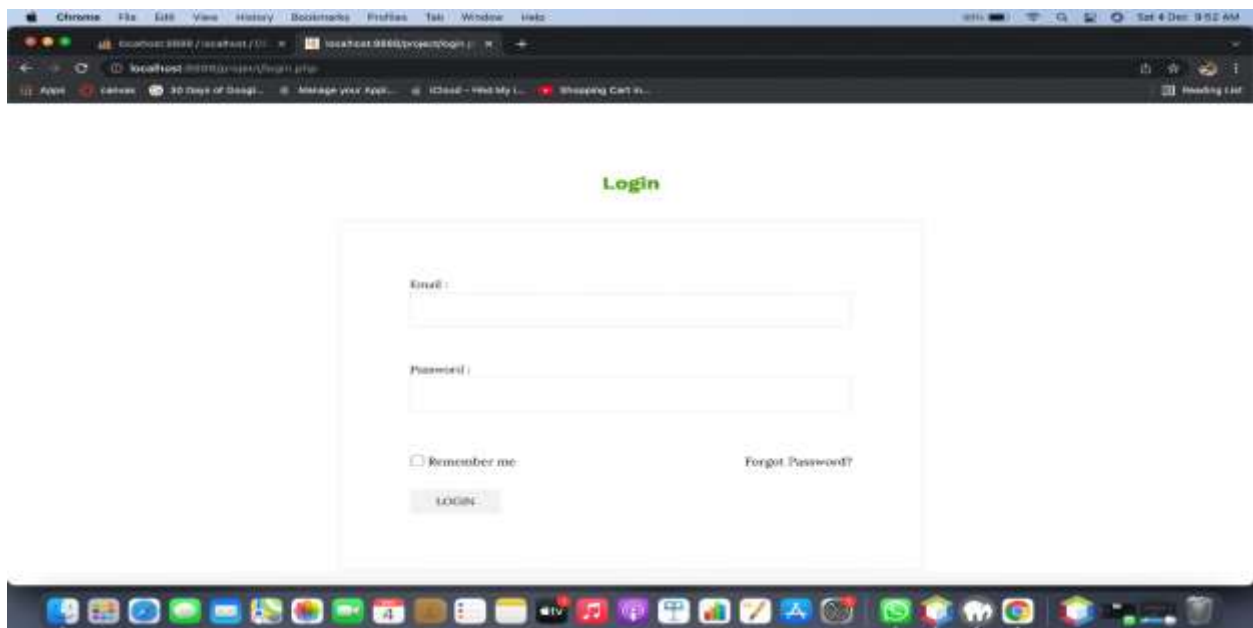
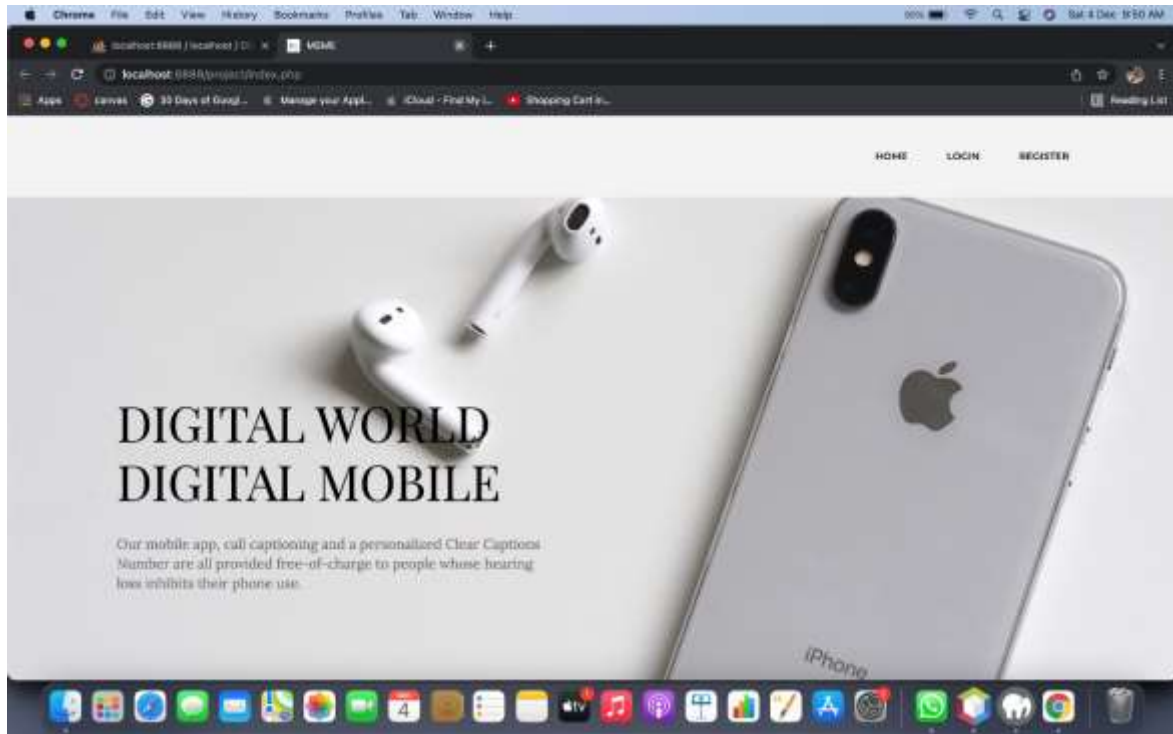
Sr.no	Attribute Name	Data Type	Size	Constraint	Description
1	F_ID	Int	10	Primary Key	It holds unique Feedback ID.
2	C_ID	int	10	Foreign Key	It holds the C_ID from customer table.
3	Description	Varchar	500	Not null	It holds the feedback.

8. Tbl_Bill :-

Sr.no	Attribute Name	Data Type	Size	Constraint	Description
1	B_ID	Int	10	Primary Key	It holds unique Bill ID.
2	O_D_ID	int	10	Foreign Key	It holds the O_D_ID from order details table.
3	Bill Status	Varchar	500	Not null	It holds the Bill Status.

7. System Implementation :-

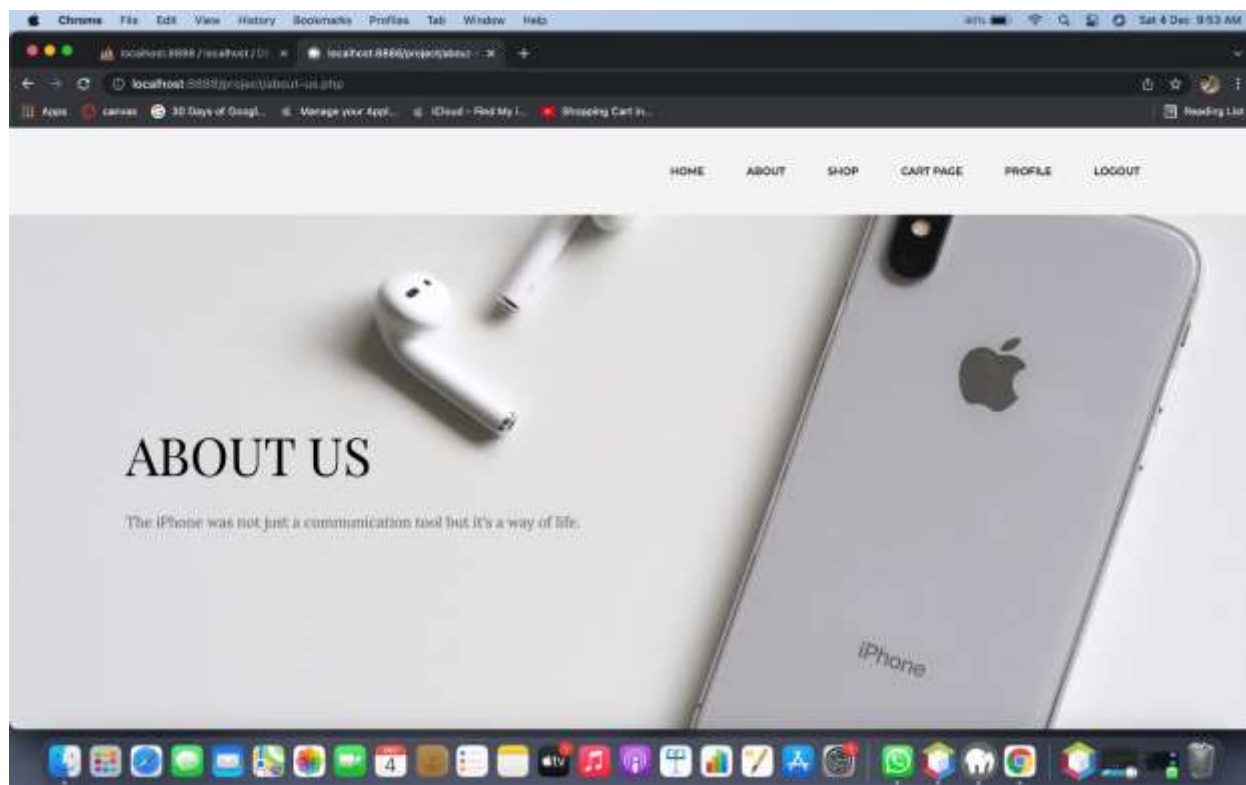
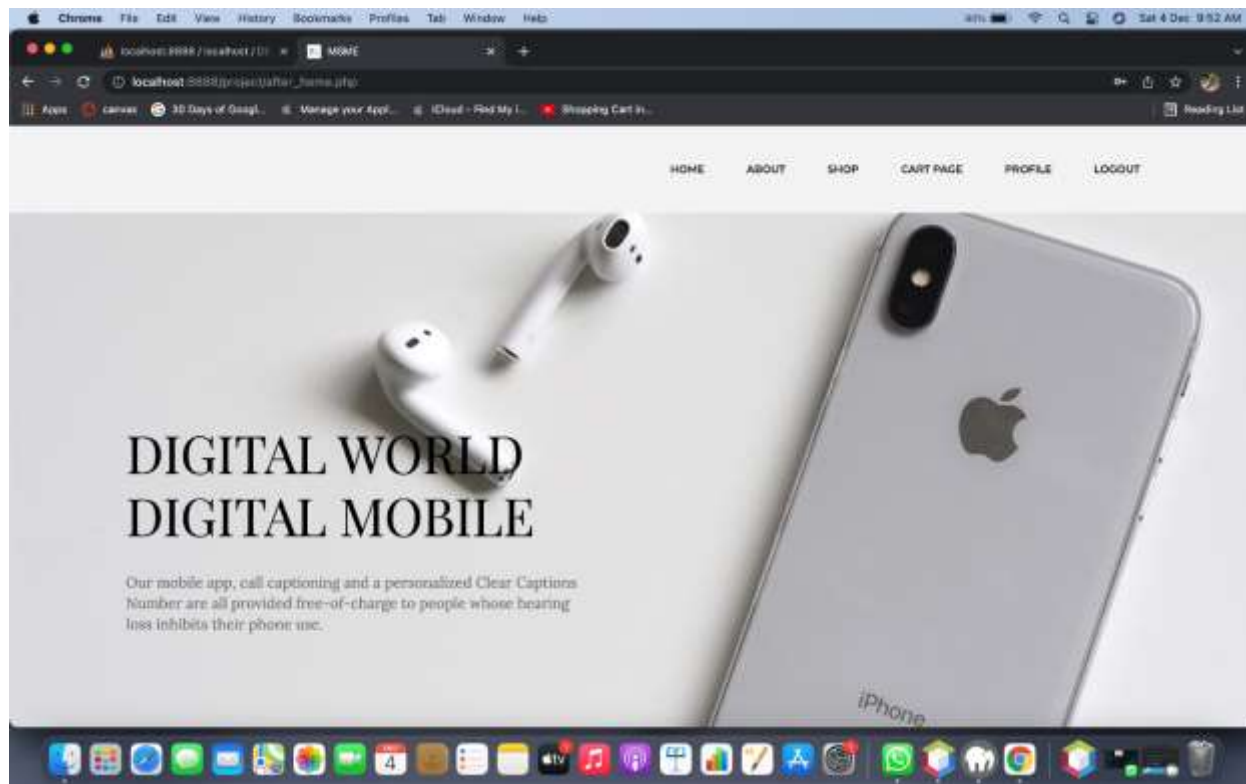
7.1 Screenshots :-



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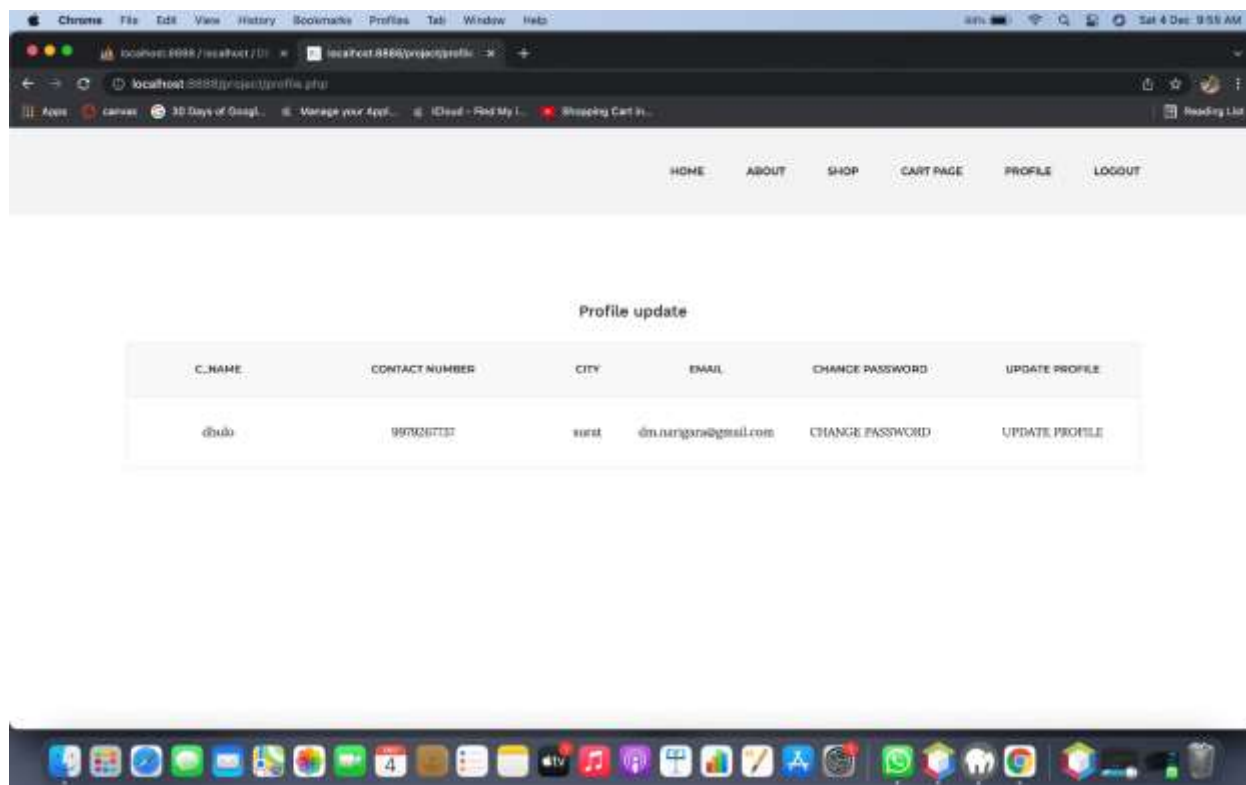
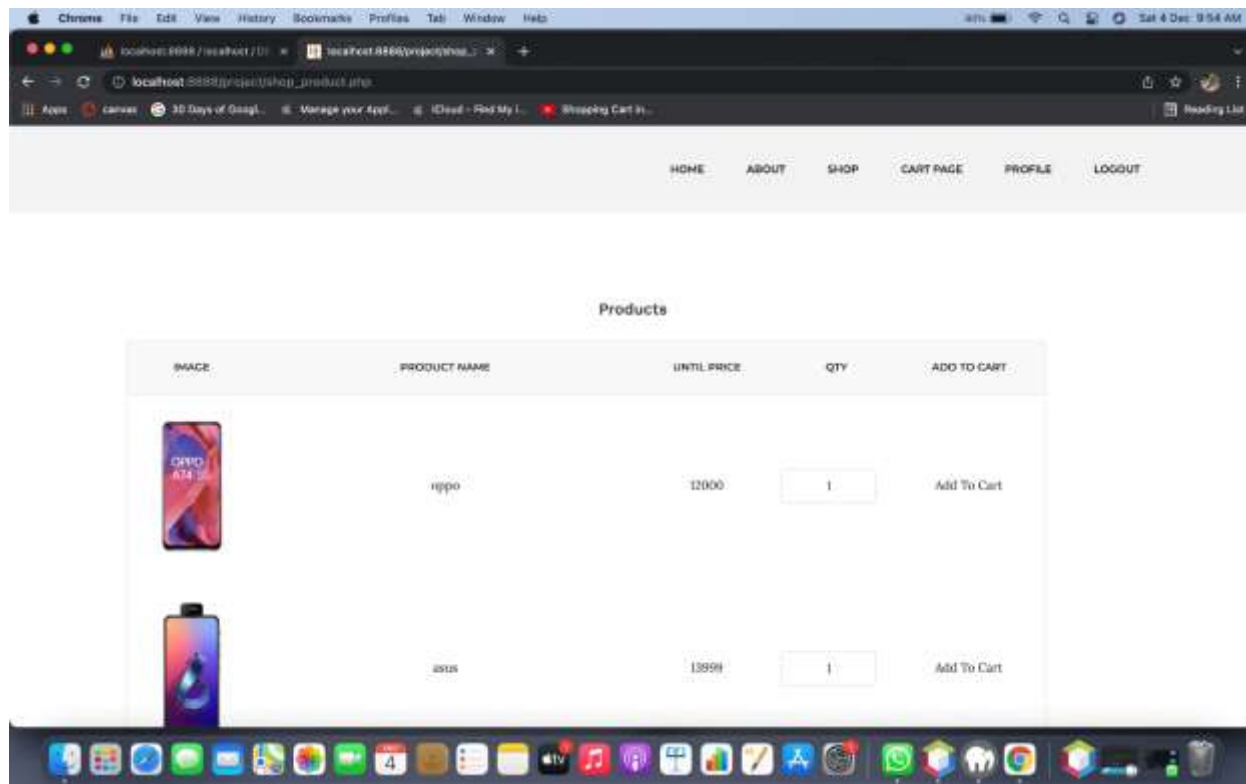
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201906100110033

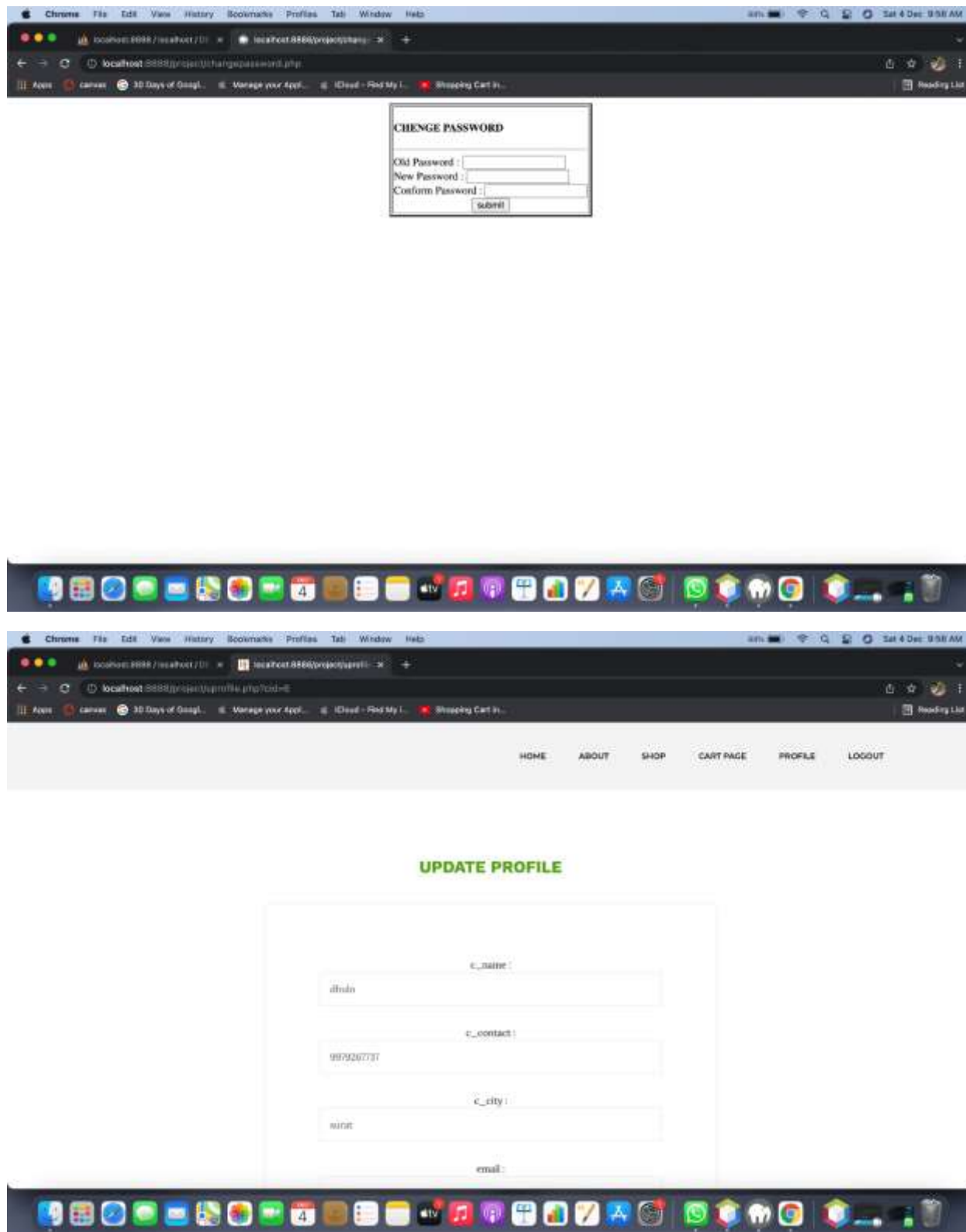
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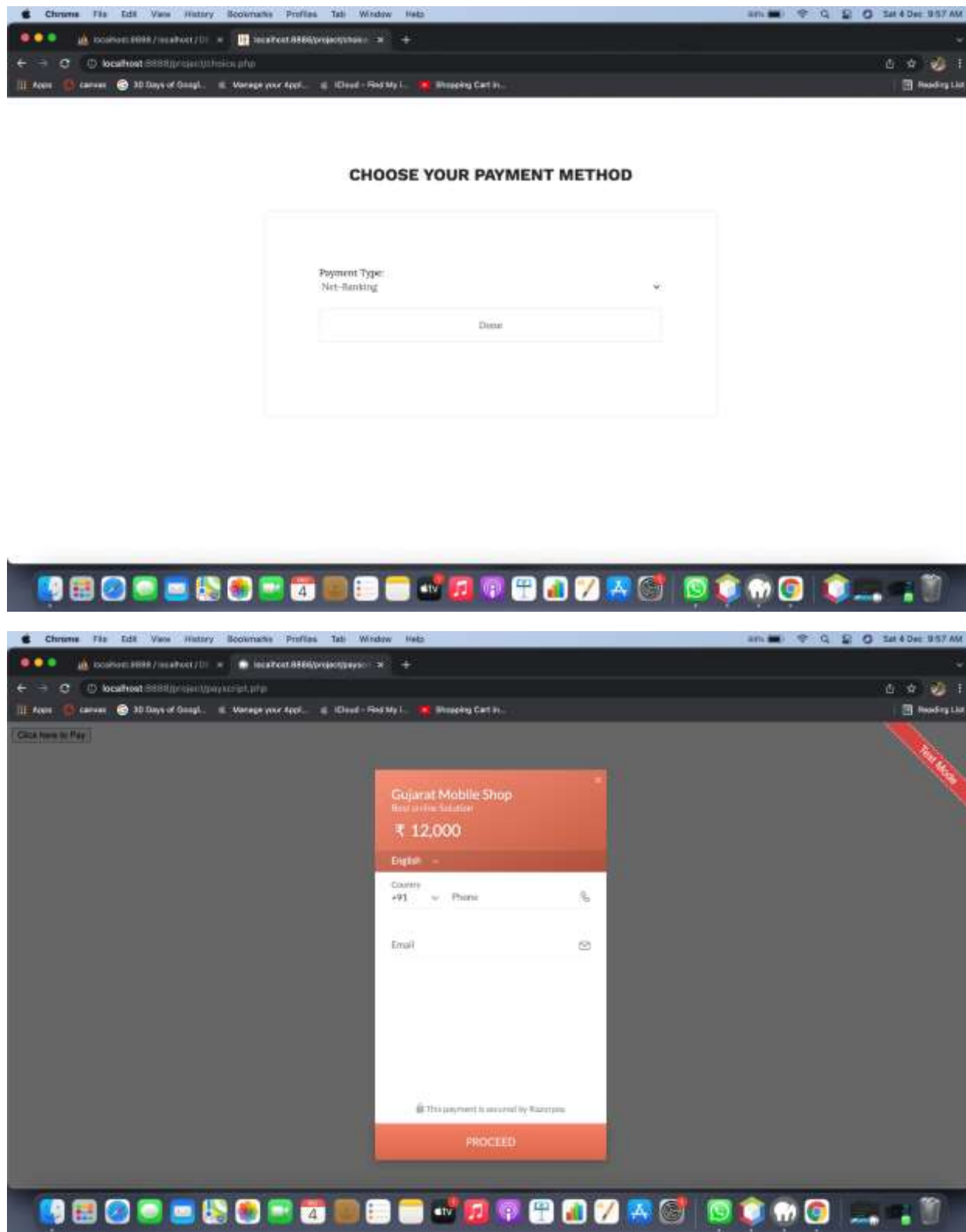
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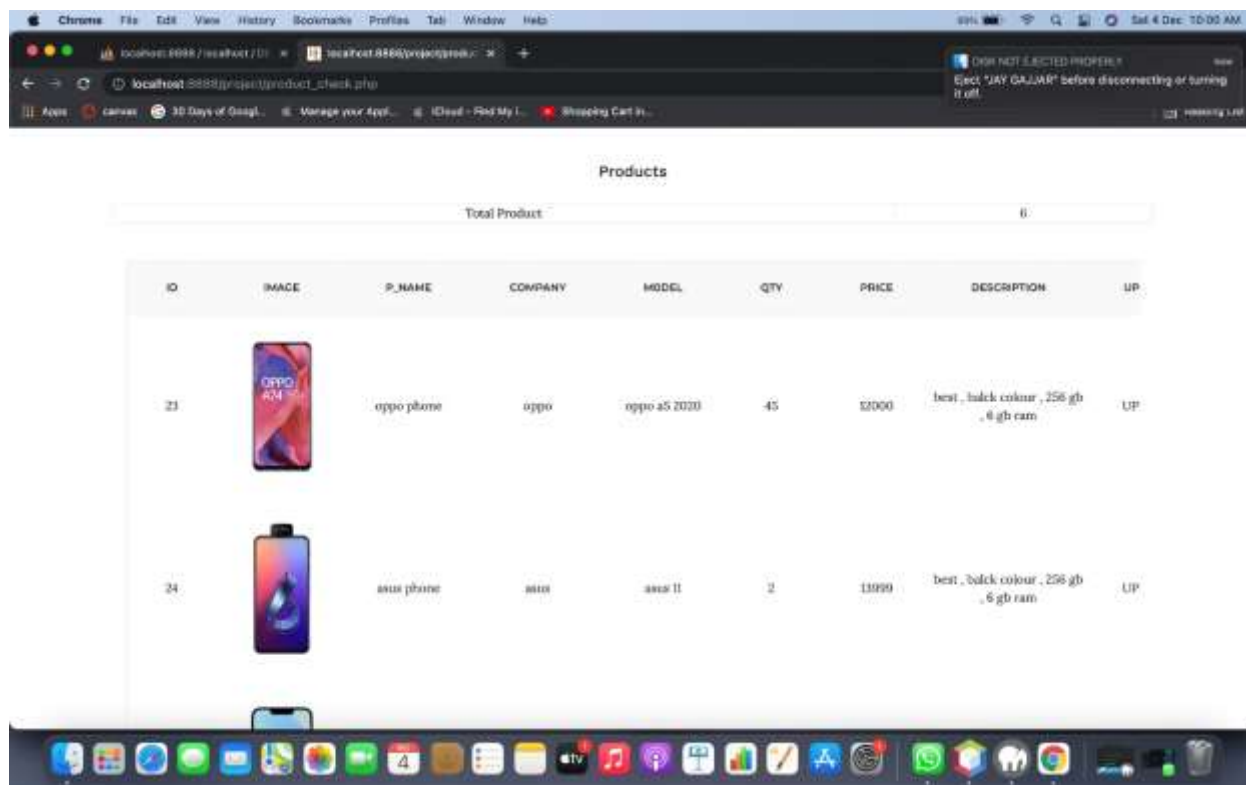
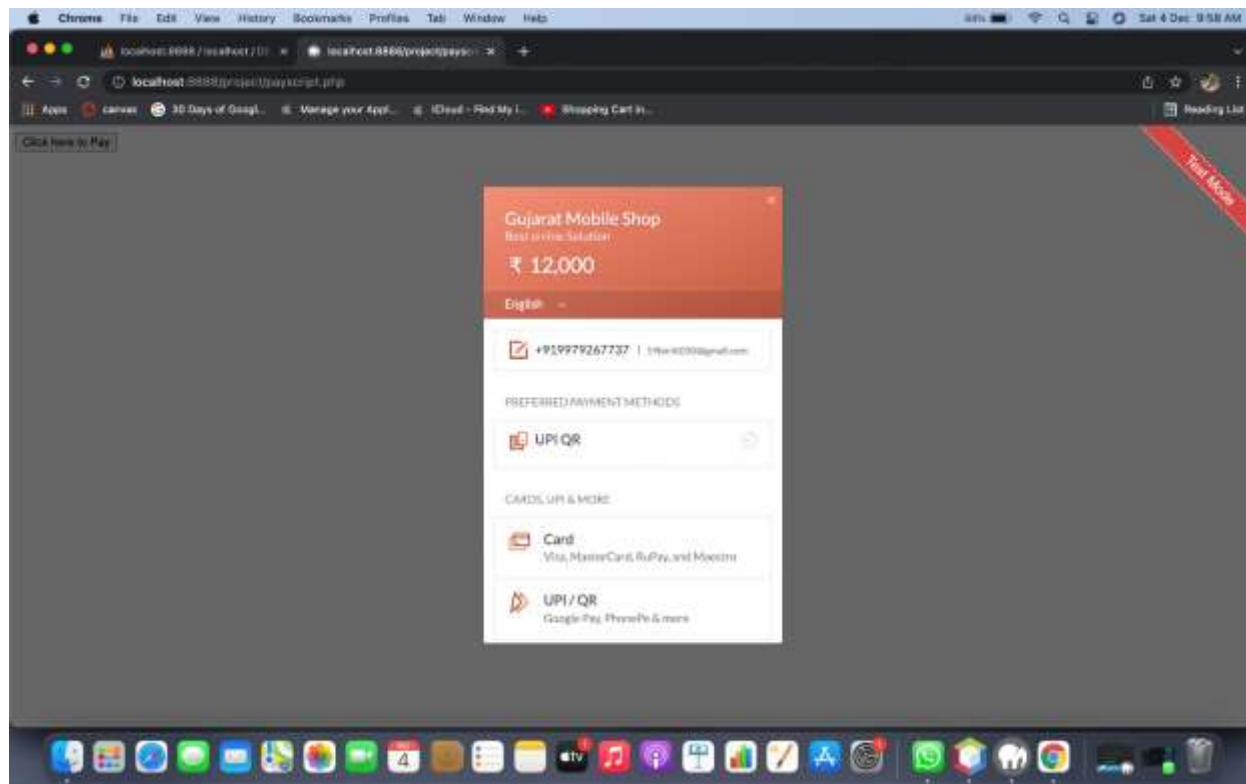
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201906100110033

MOBILE SHOP MANAGEMENT SYSTEM

Chrome File Edit View History Bookmarks Profiles Tab Window Help 99% Sat 4 Dec 10:01 AM

localhost:8888 / localhost / 01 localhost:8888/project/update...
localhost:8888/project/update_product.php?pid=23

DISK NOT EJECTED PROPERLY
Eject 'JAY GAJARI' before disconnecting or turning it off.

PRODUCT

P_Name :

oppo phone

Company :

oppo

Model :

oppo a5 2020

Quantity :

45

image :

Choose file No file chosen

Mac OS dock icons: Safari, Photos, Mail, Messages, App Store, Calendar, Reminders, Notes, Maps, Health, Wallet, Home, TV, Music, Podcasts, News, Photos, Files, App Store, Settings, Control Center, Notification Area.

Chrome File Edit View History Bookmarks Profiles Tab Window Help 99% Sat 4 Dec 10:01 AM

localhost:8888 / localhost / 01 localhost:8888/project/update...
localhost:8888/project/update_product.php?pid=23

DISK NOT EJECTED PROPERLY
Eject 'JAY GAJARI' before disconnecting or turning it off.

PRODUCT

P_Name :

oppo phone

Company :

oppo

Model :

oppo a5 2020

Quantity :

45

image :

Choose file No file chosen

Mac OS dock icons: Safari, Photos, Mail, Messages, App Store, Calendar, Reminders, Notes, Maps, Health, Wallet, Home, TV, Music, Podcasts, News, Photos, Files, App Store, Settings, Control Center, Notification Area.

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201906100110033

MOBILE SHOP MANAGEMENT SYSTEM

Chrome File Edit View History Bookmarks Profiles Tab Window Help

localhost:8888/project/SHOWBILL.php

DISK NOT SELECTED PROPERLY
Select "/>

ID	Status
1	complat
65	Pending
65	Pending
65	Pending
65	Pending
65	Pending

HOME ABOUT PRODUCT REPORT LOGOUT

ORDER REPORT

Total Order	63
0	

Report of Product's Settings

apple vivo apple pixel samsung

My Account Information Quick Links Contact Us

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8.1. Test Cases :-

1. Manage User Login :-

Test Case ID	Test case Description	Input-1 C_ID	Input-2 C_Name	Input-3 C_Contact_No	Input-4 C_City	Input-5 Email	Input-6 Password	Expected Result	Remark (If any)
TC 1	User Registered	Valid Input	Valid Input	Valid Input	Valid Input	Valid Input	Valid Input	User Register Successfully	-
TC 2	First Name is Invalid	Valid / Invalid Input	Valid / Invalid Input	Valid / Invalid Input	Valid / Invalid Input	Valid / Invalid Input	Valid / Invalid Input	Invalid First Name	First Name is not in Specified format.
TC 3	Contact Number	Valid Input / Invalid Input	Valid Input / Invalid Input	Valid Input / Invalid Input	Valid Input / Invalid Input	Valid Input / Invalid Input	Valid Input / Invalid Input	Invalid Contact Number	Contact Number is not in Specified format.
TC 4	Email ID is Invalid	Valid Input / Invalid Input	Valid Input / Invalid Input	Valid Input / Invalid Input	Valid Input / Invalid Input	Valid Input / Invalid Input	Valid Input / Invalid Input	Invalid Email	Email ID is not in Specified format.

MOBILE SHOP MANAGEMENT SYSTEM

TC 5	Password is Invalid	Valid Input / Invalid Input	Valid Input / Invalid Input	Valid Input / Invalid Input	Valid Input / Invalid Input	Valid Input / Invalid Input	Valid Input / Invalid Input	Invalid Password	Password is not in Specified format.
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2. Manage Products :-

Test Case ID	Test case Description	Input-1 P_ID	Input-2 P_Name	Input-3 Company	Input-4 Model	Input-5 Quantity	Input-6 Image	Input-7 Price	Input-8 Description	Expected Result	Remark(If any)
TC 1	Product Name is Invalid	Valid Input / Invalid Input	Valid Input / Invalid Input	Valid Input / Invalid Input	Valid Input / Invalid Input	Valid Input / Invalid Input	Valid Input / Invalid Input	Valid Input / Invalid Input	Valid Input	Valid Input	Valid Input -
TC 2	Company is Invalid	Valid / Invalid Input	Valid / Invalid Input	Valid / Invalid Input	Valid / Invalid Input	Valid / Invalid Input	Valid / Invalid Input	Valid Input / Invalid Input	Valid Input	Valid Input	Valid Input

MOBILE SHOP MANAGEMENT SYSTEM

TC 3	Model	Valid Input / Invalid Input	Valid Input / Invalid Input	Valid Input / Invalid Input	Valid Input / Invalid Input	Valid Input / Invalid Input	Valid Input / Invalid Input	Valid Input / Invalid Input	Valid Input	Valid Input	Valid Input
TC4	Quantity	Valid Input / Invalid Input	Valid Input / Invalid Input	Valid Input / Invalid Input	Valid Input / Invalid Input	Valid Input / Invalid Input	Valid Input / Invalid Input	Valid Input / Invalid Input	Valid Input	Valid Input	Valid Input
TC5	Image	Valid Input / Invalid Input	Valid Input / Invalid Input	Valid Input / Invalid Input	Valid Input / Invalid Input	Valid Input / Invalid Input	Valid Input / Invalid Input	Valid Input / Invalid Input	Valid Input	Valid Input	Valid Input
TC6	Price	Valid Input / Invalid Input	Valid Input / Invalid Input	Valid Input / Invalid Input	Valid Input / Invalid Input	Valid Input / Invalid Input	Valid Input / Invalid Input	Valid Input / Invalid Input	Valid Input	Valid Input	Valid Input

GROUP NO :- 28

ENRO NO :- 201906100110030 , 201906100110031 ,
201906100110033

MOBILE SHOP MANAGEMENT SYSTEM

T C7	Descripti on	Vali d Inpu t / Inva lid Inpu t	Valid Input / Invalid Input	Valid Input / Invalid Input	Vali d Inpu t / Inva lid Inpu t	Valid Input / Invalid Input	Vali d Inpu t / Inva lid Inpu t	Vali d Inpu t / Inva lid Inpu t	Valid Input	Valid Input	Valid Input
-----------------	-------------------------	--	--	--	--	--	--	--	------------------------	------------------------	------------------------

3. Manage Order :-

Test Case ID	Test case Description	Input- 1 O_ID	Input- 2 C_ID	Input-3 C_Address	Input- 4 Date	Input-5 Total Amount	Expected Result	Remark(If any)
TC1	Customer Address	Valid / Invalid Input	Valid / Invalid Input	Valid / Invalid Input	Valid / Invalid Input	Valid / Invalid Input	Valid Input	Valid Input
TC2	Date	Valid / Invalid Input	Valid / Invalid Input	Valid / Invalid Input	Valid / Invalid Input	Valid / Invalid Input	Invalid Date	Valid Input
TC3	Total Amount	Valid Input / Invalid Input	Valid Input / Invalid Input	Valid Input / Invalid Input	Valid Input / Invalid Input	Valid Input / Invalid Input	Valid Total Amount	Valid Input

4. Manage Order Details : -

Test Case ID	Test case Description	Input-1 O_ID	Input-2 P_ID	Input-3 Quantity	Input-4 Price	Expected Result	Remark(If any)
TC1	Quantity	Valid / Invalid Input	Valid / Invalid Input	Valid / Invalid Input	Valid / Invalid Input	Valid Input	Valid Input
TC2	Price	Valid / Invalid Input	Valid / Invalid Input	Valid / Invalid Input	Valid / Invalid Input	Invalid Date	Valid Input

9. Future Enhancement :-

- The Performance and efficiency of the system can be enhanced by techniques advances.

10. Conclusion :-

- This software has its own advantages and disadvantages but it can surely help with the easier and error-free management of a boutique. It is much efficient and useful then the current manual system.

11. Bibliography :-

- 1) Book Referred :- Object Oriented software engineering by Yogesh Singh and Ruchika Malhotra.

Thank You