Online Mobile Shop

A Project Report On

"Online Mobile Shop"

Kamani Science & Prataprai Arts College,Amreli

Developed By

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Guided By

Prof.Dhruvita Savaliya

Year of Submission

Submitted in partial fulfillment of the requirement for The award of the degree of Bachelor of Computer Application (BCA sem-5)

2024-2025

Saurashtra University-Rajkot

Kamani Science College
&
Prataprai Arts College
Vidyavihar, Bhavnagar Road, Amreli-365601

C E R T I F I C A T E

This is to certify that Mr./Miss. **AJANI ANKITA KISHORBHAI.**

Roll. No **5004** Studying in **B.C.A.** Semester **V** has completed his/her Project

work satisfactorily during the year **2024-2025.**

Signature   Signature   Signature
Project in Charge   Head of Department   Examiner

C E R T I F I C A T E

This is to certify that Mr./Miss. **AMBALIYA DHRUPALI HARESHBHAI.**

Roll. No **5007** Studying in **B.C.A.** Semester **V** has completed his/her Project

work satisfactorily during the year **2024-2025.**

Signature	Signature	Signature
Project in Charge	Head of Department	Examiner

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Preface

The main objective of any computer science student is to get practical knowledge as possible. Being able to have a practical knowledge by developing a project is a lifetime experience. As practical knowledge is important as theoretical knowledge we are thankful of having a project.

Through the development of the project we had a great experience of various strategies that can be applied in development of the project. This project is the stepping stone for our career.

We are pleased to present this project report. Proper case has been taken while organizing the report so that it is easy to comprehend. Also, various software engineering concepts have been implemented.

Acknowledgment

We are student of BCA sem-5 Studying in the Kamani Science College Amreli. We Thanks to the entire person who has given their Support in shaping of the system.

We thank Prof. Dhruvita Savaliya and co-operation in understanding the system. We also thanks them for their unconditional help in making of this project.

We have great deal of gratitude towards our head of department who encourages in taking up this activity. We thank all faculties and administrative staffs of the institute.

We are also thankful to all those friends who have helped me in this endeavor either of indirectly & especially my family.

Thanks to All!!

<div align="right">

Ajani Ankita
Ambaliya Dhrupali

</div>

Abstract

Online mobile shopping is a form of electronic commerce which allows consumers to directly buy goods from a seller over the internet using android phones. This project deals with developing an e-commerce website for online different types of products. It provides the user with a catalog of different types of products available for purchase in the store.

The Online mobile shopping Web is designed from a user point of view. The use friendly design helps the users in accomplishing their task with ease. Attempts have been made to keep the design simple and understandable. The screens were designed in HTML and the business logic was written in Java. The total lines of code written in this Website are HTML5 & CSS3.

Introduction
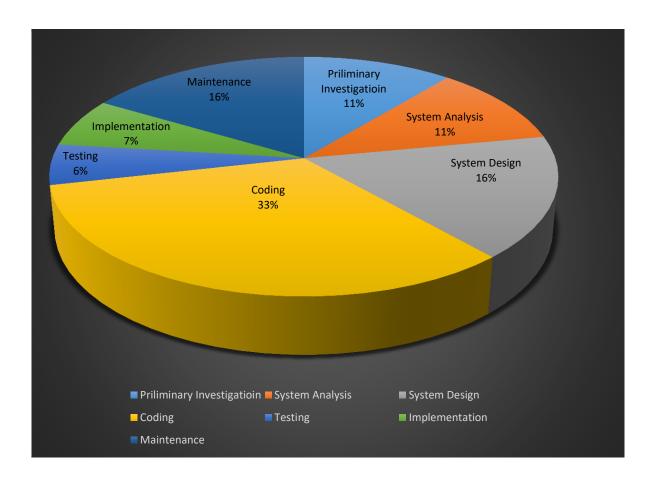
This Software Helps Customer to Different Mobiles Such As IPhone, Samsung, Redmi, Realme, Vivo, Oppo,etc.Their Features And New Updates Easily.

The Main Helps Of The Project On Online Mobile Shop Is To Manage The Details Of Customers, Mobile, Type, Company, Order.

It Manages All The Information About Customer,Payment,Order.

They Can Shop From The Comfort Of Their Own Home Or Workplace ,Saving Time On Transportation.

Time Line Chart

- **Preliminary Investigation : 12 Days**

- **System Analysis   : 12 Days**

- **System Design   : 16 Days**

- **Coding   : 30 Days**

- **Testing   : 3 Days**

- **Implementation   : 5 Days**

- **Maintenance   : 12 Days**

Project Profile

- **Project Name**   : Online Mobile Shop

- **Developed by**   : Ajani Ankita

    Ambaliya Dhrupali

- **Front End Tool**   : PHP, JavaScript

- **Back End Tool**   : PHP MySql

- **Operating System**   : Microsoft Windows10

- **Computer System**   : Pentium-IV or Higher
  RAM:256 MB

- **Project Details**   : Provide best Platform for online
  Mobile.Features and Benefits thid
  Portal and best Companies provide
  Mobile

- **CompletionTime**   : 3 Months

- **Guided by**   : Prof. Dhruvita Savaliya

- **Submitted by**   : Saurashtra University,Rajkot

Hardware Requirement

- ❖ 512+MBOfRAM
- ❖ Multimedia Keyboard And Mouse
- ❖ 1.5 GHz Processor
- ❖ Monitor
- ❖ Printer

Software Requirement

- ❖ **Operating System:** Microsoft windows7&Microsoft windows10
- ❖ **Front End Tools :**   PHP, JavaScript, CSS,HTML
- ❖ **Back End Tools :** PHP MySQL
- ❖ **Documentation Tool:**Microsoft word 2010
- ❖ **Browser Specification :** Google Chrome

Requirement Specification

Q.1) What Features do you want to include in the Mobile Shop?

Ans: Filters,Product reviews,Checkout,Payment Gateway.

Q.2) How many Products you have Project?

Ans: Minimun 10 products

Q.3) Which Company's Phone is there?

Ans: Iphone

        Samsung

        Redmi

        One plus

        Oppo

        Vivo

        Realme

Q.4) Why do I Create this type of website?

Ans: There are a number of mobiles companies like iphone,oppo,Samsung,redmi etc.so to solve these problems I create this website.

Q.5) About Starting Price Details?

Ans: iphone:Rs. 49,550/-

    Redmi:Rs.10,000/-

    One plus:Rs.28,540/-

    Oppo:Rs.18,230/-

    Samsung:Rs.35000/-

Q.6) Do you have internet access your phone?

Ans: yes

Q.7) Which phone is highest for project?

Ans: iphone 12 pro max

Samsung galaxy

One plus

Q.8) How many profit is there in mobile shop?

Ans: 15% to 30% of their income.

Q.9) How many tables in project?

Ans: 8

Q.10) Who is the No.1 mobile brand?

Ans: Samsung

Q.11) When will the ordered product be received?

Ans: 3 Day

Project Planning & Scheduling
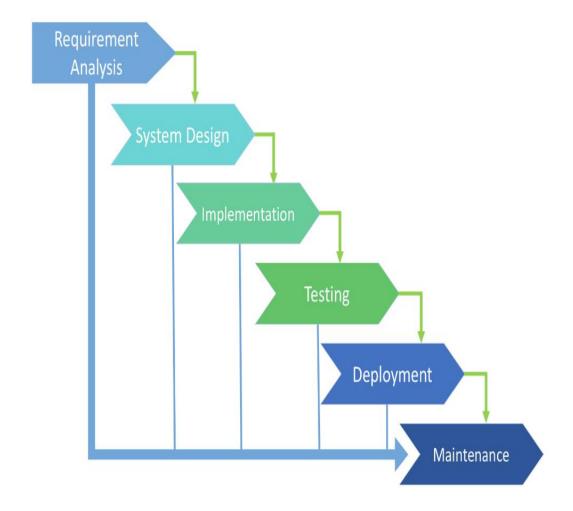
Project planning is an aspect of Project Management, which comprises of various processes. The aim of these processes is to ensure that various Project tasks are well coordinated and they meet the various project objectives Including Timely Completion Of The Project.Project Planning Is An Aspect Of Project Management that focuses a loton Project Integration. The project plan reflects the current status of all project activities and is used to monitor and control the project.

The Project Planning tasks ensure that various elements of the Project are coordinated and therefore guide the project execution. Project Scheduling is one of the most important tasks of Project Planning and also the most difficult tasks.In very large projects it is possible that several teams work on developing the project. They may work on it in parallel.However their work may be interdependent.

SDLC Diagram

Software Development Life Cycle is a Structured Process That is used to design, develop and test good Quality Software.

It Provide a Standardized FrameWork That Defines Activities and Deliverables.

Feasibility Study

A purpose of feasibility study is to check out the possibility of a computerized solution to the organization's observed problem before very much money that has been spenton.

A feasibility study is carried out to select the best system that meets performance requirements.Only by spending the time to evaluate the feasibility do I reduce the chances for extreme embarrassment at later stage of the system project.

For the complete feasibility study I need to concentrate on following area:

- They are three types of feasibility Study:

  1. Technical
  2. Operational
  3. Economical

.

➢ Technical:

Technical feasibility considers whether the desired project can be completed within the framework of available technology. As our project was website designing, this was not much of a problem, as many advanced web-editing tools are available.

➢ Operational:
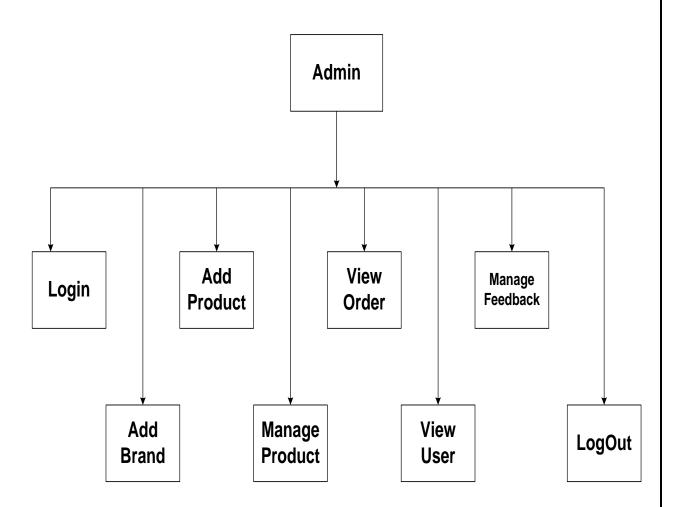
Operational feasibility was done to assure that the product that would be developed would be used. Since a cards and gifts have to have a website of its own sooner or later, that wasn't much of a problem.

➢ Economical:
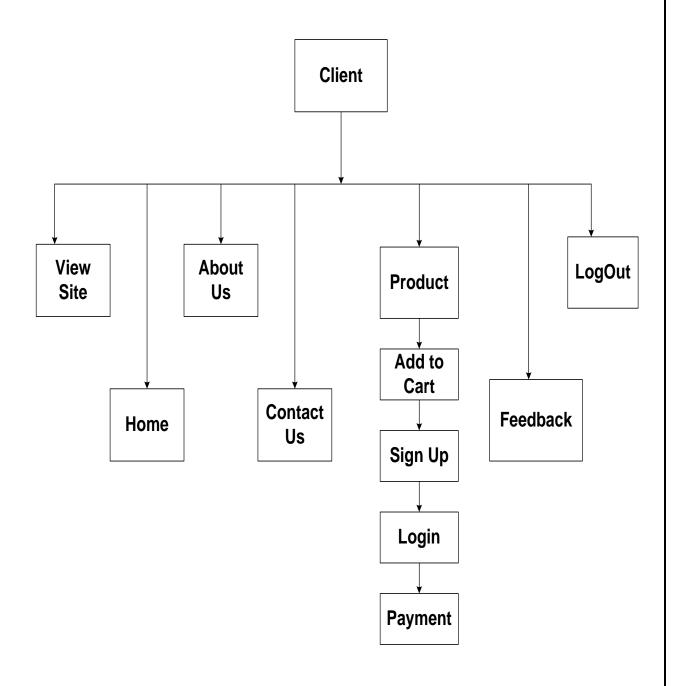
Our Commercial Website is Economically Feasible Because. We have developed this website only for one time. Only future enhancement is required on the other hand every client can view our site any time or many time as per their requirement. So the future economical expenses are null. So we can say that this website is totally economically feasible.

Project Page Structure

❖ Admin Side

```
                          ┌─────────┐
                          │  Admin  │
                          └────┬────┘
                               │
   ┌─────────┬──────────┬──────┴──────┬──────────┬──────────┐
   ▼         ▼          ▼             ▼          ▼          ▼
┌───────┐ ┌─────────┐ ┌─────────┐ ┌─────────┐ ┌──────────┐
│ Login │ │   Add   │ │  View   │ │ Manage  │
│       │ │ Product │ │  Order  │ │Feedback │
└───────┘ └─────────┘ └─────────┘ └─────────┘
     ▼         ▼          ▼           ▼             ▼
  ┌───────┐ ┌─────────┐ ┌─────────┐ ┌─────────┐
  │  Add  │ │ Manage  │ │  View   │ │ LogOut  │
  │ Brand │ │ Product │ │  User   │ │         │
  └───────┘ └─────────┘ └─────────┘ └─────────┘
```

❖   **User Side**

```
                              ┌──────────┐
                              │  Client  │
                              └────┬─────┘
        ┌──────────┬──────────┬────┴──────┬──────────┐
        ▼          ▼          ▼           ▼          ▼
   ┌─────────┐ ┌────────┐ ┌─────────┐ ┌────────┐ ┌────────┐
   │  View   │ │ About  │ │ Product │ │        │ │ LogOut │
   │  Site   │ │  Us    │ │         │ │        │ └────────┘
   └────┬────┘ └────────┘ └────┬────┘ │        │
        │                      ▼      │        │
        │                 ┌─────────┐ │        │
        │                 │ Add to  │ │        │
        │                 │  Cart   │ │        │
        ▼                 └────┬────┘ ▼        ▼
   ┌─────────┐  ┌─────────┐    │   ┌──────────┐
   │  Home   │  │ Contact │    ▼   │ Feedback │
   └─────────┘  │   Us    │ ┌─────────┐       │
                └─────────┘ │ Sign Up │       │
                            └────┬────┘
                                 ▼
                            ┌─────────┐
                            │  Login  │
                            └────┬────┘
                                 ▼
                            ┌─────────┐
                            │ Payment │
                            └─────────┘
```

Data Dictionary

The data Dictionary is a set of table. MySQL use it to maintain information about this own database.

> *Data dictionary contains the following information:*

- ✓ Name of the table of database.
- ✓ User information such as privileges.
- ✓ Name and data-type of all columns in database table.

❖ **DatabaseName :**mobile_shop

1. **admin_login:**

This table is used to store admin information.

Field	DateType	Size	Attribute
id	Int	10	PrimaryKey
username	Varchar	50	-
password	Varchar	50	-
date_time	TimeStamp	6	-

2.brand:

This table is used to store brand information.

Field	DateType	Size	Attribute
b_id	Int	10	PrimaryKey
b_name	Varchar	50	-
image	Varchar	500	-
date_time	TimeStamp	6	-

3.product:

This table is used to store product information.

Field	DataType	Size	Attribute
p_id	Int	10	PrimaryKey
brand_id	Int	10	ForeignKey
p_name	Varchar	200	-
price	Int	10	-
image	Varchar	500	-
p_des	Varchar	500	-
quantity	Int	10	-
date_time	TimeStamp	6	-

4.user _reg:

This table is used to store user registration information.

Field	DataType	Size	Attribute
user_id	Int	11	PrimaryKey
username	Varchar	50	-
password	Varchar	100	-
email	Varchar	30	-
contact_no	BigInt	100	-
date_time	TimeStamp	6	-

5.cart:

This table is used to store cart information.

Field	DataType	Size	Attribute
c_id	Int	11	PrimaryKey
p_id	Int	11	Foreign Key
u_id	Int	11	Foreign Key
c_name	Varchar	200	-
t_price	Int	11	-
image	Varchar	500	-
quantity	Int	11	-
date_time	TimeStamp	6	-

6.checkout:

This table is used to store order information.

Field	DataType	Size	Attribute
o_id	Int	10	PrimaryKey
p id	Int	10	ForeignKey
c id	Int	11	ForeignKey
u id	Int	11	Foreign Key
username	Varchar	200	-
contact_no	bigInt	10	-
city	varchar	15	-
address	varchar	500	-
state	varchar	50	-

Field	DataType	Size	Attribute
country	varchar	50	-
pin_code	Int	6	-
total_product	varchar	500	-
total_price	Int	11	-
pay_status	Int	11	-
date_time	Timestamp	6	-

7.payment:

This table is used to store Payment information.

Field	DataType	Size	Attribute
pay_id	Int	11	PrimaryKey
o_id	Int	11	Foreign Key
u_id	Int	11	Foreign Key
username	varchar	200	-
price	Int	11	-
date_time	TimeStamp	6	-

8.feeback:

This table is used to store user Feedback information.
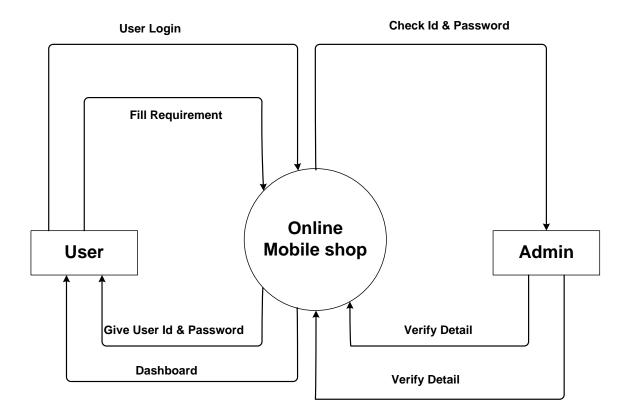
Field	DateType	Size	Attribute
f_id	Int	10	PrimaryKey
u id	Int	11	Foreign Key
name	varchar	200	-
email	varchar	50	-
contact_no	bigInt	10	-
message	Varchar	500	-
date_time	TimeStamp	6	-

Data Flow Diagram
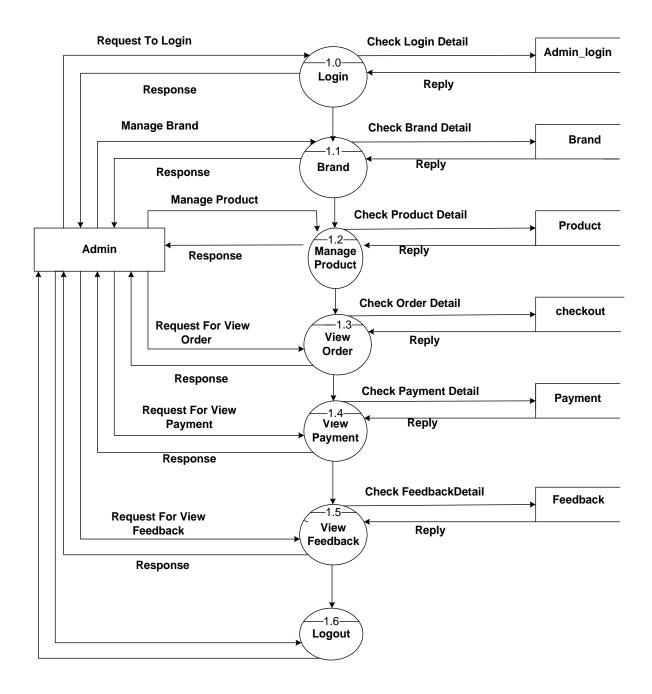
The DFD gives brief idea on how the designed system is working. It also suggests to us the type of users who using this system and the process involved in the system.

Represent data flow

Represent a Entity

Represent a data table

Represent a processing

Context Level Diagram

User Login

Check Id & Password

Fill Requirement

User

Online Mobile shop

Admin

Give User Id & Password

Verify Detail

Dashboard

Verify Detail
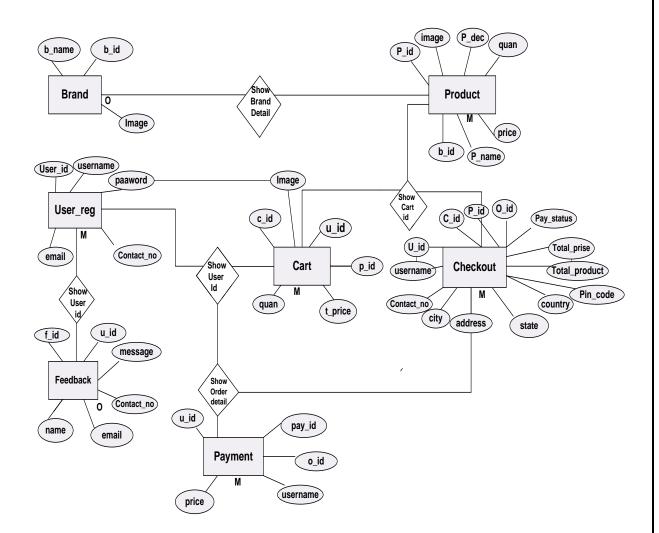
First Level Diagram for Admin

First Level Diagram for User

Show Product

Product Detail

1.0
Visit Site

Response   Reply   **Product**

Product   Product Detail

1.1
Product

Response   Reply

Fill Registration   Registration Id & Password Detail

1.2
Registration

Response   Reply   **User_reg**

Login   Check Id & Password

1.3
Login

User

Response
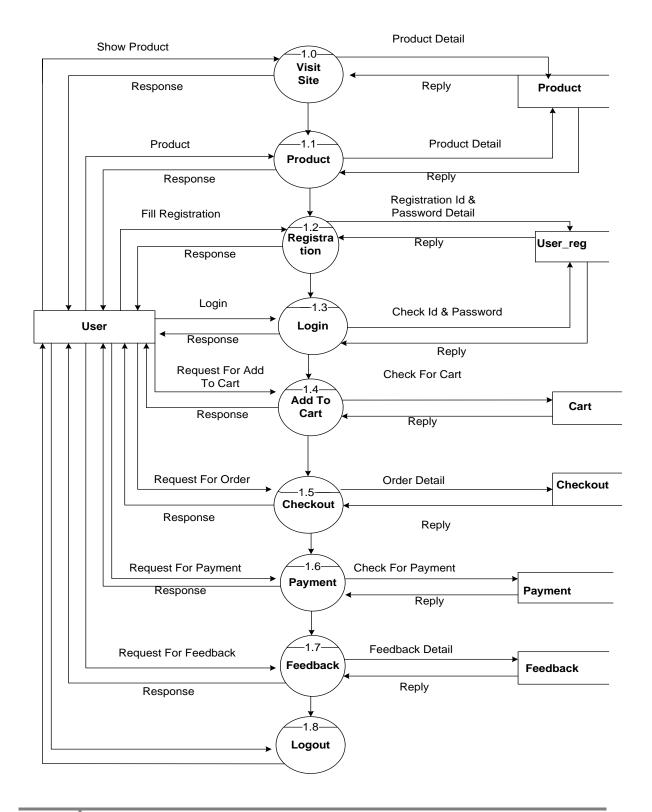
Reply

Request For Add To Cart   Check For Cart

1.4
Add To Cart   **Cart**

Response   Reply

Request For Order   Order Detail   **Checkout**

1.5
Checkout

Response   Reply

Request For Payment   Check For Payment

1.6
Payment   **Payment**

Response   Reply

Request For Feedback   Feedback Detail   **Feedback**

1.7
Feedback

Response   Reply

1.8
Logout

ER Diagram

UseCase Diagram

- Registration
- Login
- Manage Brand
- Manage Product
- View Brand
- View Product
- Add To Cart
- Order
- Cancle Order
- Payment
- Feedback
- Logout

User

Admin
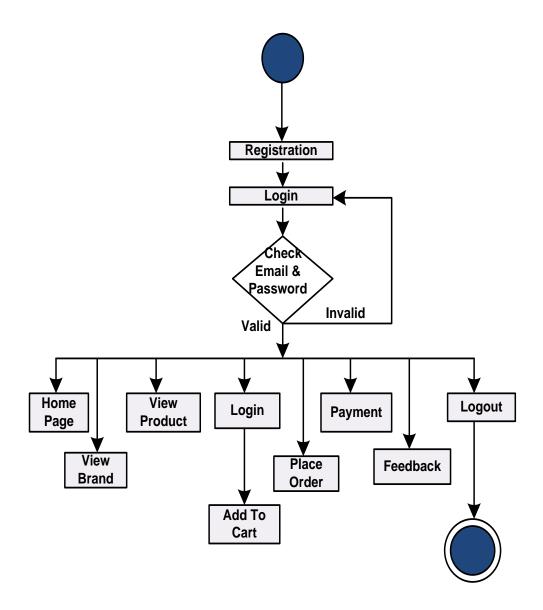
Activity Diagram

❖ Admin Side

Activity Diagram

❖ User Side

Sequence Diagram

❖　Admin Side

Admin

System

Mobile_shop

Admin_login

Enter Username & Password

Login Successfully

Compare Username & Paaword

Valid Detail

Brand

View Brand

Add Brand Successfully

Manage Brand

Give New Add Brand Detail

Product

View Product

Add Product Successfully

Manage Product

Give New Add Product Detail

User_reg

View User

Successfully

Manage User

Confirm Detail

Checkout

View Order

Successfully

Manage Order

Confirm Detail

Feedback

View Feedback

Successsully

Manage Feedback

Confirm Detail

❖ User Side

❖   Admin Side
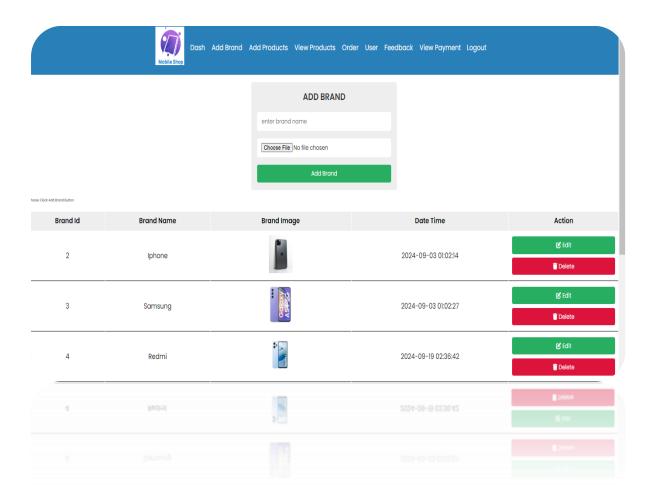
Login

This is Admin Login Page

Dashboard

This is Admin Dashboard
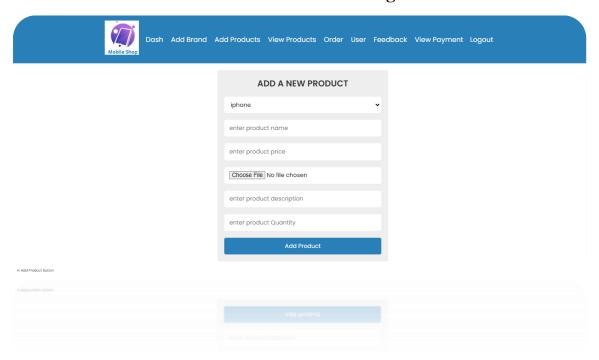
Add Brand

This is Admin add new Brand Page
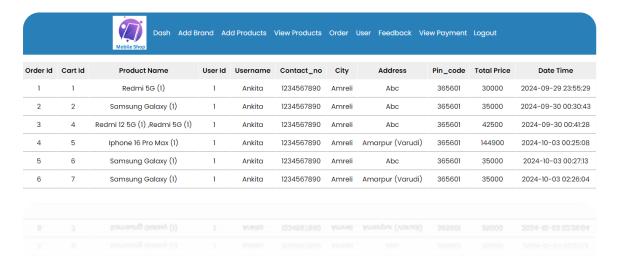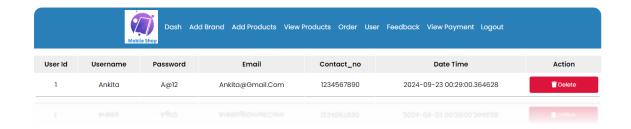
Add Product

This is Admin add new Product Page

Dash Add Brand Add Products View Products Order User Feedback View Payment Logout

Mobile Shop

ADD A NEW PRODUCT

iphone

enter product name

enter product price

Choose File No file chosen

enter product description

enter product Quantity

Add Product

View Order

This is Admin View Order Page

Dash Add Brand Add Products View Products Order User Feedback View Payment Logout

Mobile Shop

Order Id	Cart Id	Product Name	User Id	Username	Contact_no	City	Address	Pin_code	Total Price	Date Time
1	1	Redmi 5G (1)	1	Ankita	1234567890	Amreli	Abc	365601	30000	2024-09-29 23:55:29
2	2	Samsung Galaxy (1)	1	Ankita	1234567890	Amreli	Abc	365601	35000	2024-09-30 00:30:43
3	4	Redmi 12 5G (1) ,Redmi 5G (1)	1	Ankita	1234567890	Amreli	Abc	365601	42500	2024-09-30 00:41:28
4	5	Iphone 16 Pro Max (1)	1	Ankita	1234567890	Amreli	Amarpur (Varudi)	365601	144900	2024-10-03 00:25:08
5	6	Samsung Galaxy (1)	1	Ankita	1234567890	Amreli	Abc	365601	35000	2024-10-03 00:27:13
6	7	Samsung Galaxy (1)	1	Ankita	1234567890	Amreli	Amarpur (Varudi)	365601	35000	2024-10-03 02:26:04

View User

This is Admin View User Page

User Id	Username	Password	Email	Contact_no	Date Time	Action
1	Ankita	A@12	Ankita@Gmail.Com	1234567890	2024-09-23 00:29:00.364628	🗑 Delete

View Feedback

This is Admin View Feedback Page

F_Id	U_Id	Username	Email	Contact_no	Message	Date Time	Action
1	1	Ankita	Ankita@Gmail.Com	1234567890	Very Good	2024-09-29 23:58:25	🗑 Delete
2	1	Ankita	Ankita@Gmail.Com	1234567890	Very Good	2024-09-30 00:18:41	🗑 Delete

View Payment
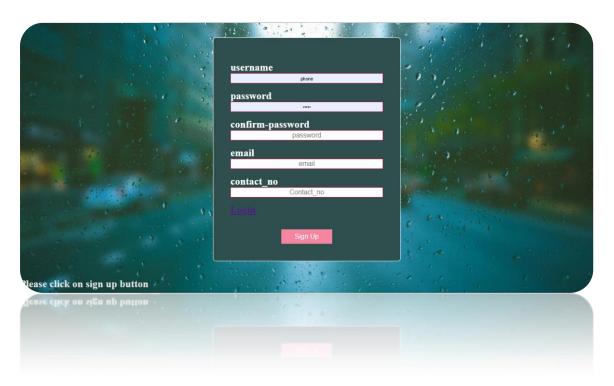
This is Admin View Payment Page

Order Id	Product Name	User Id	Username	Contact_no	Total Price	Date Time
1	Redmi 5G (1)	1	Ankita	1234567890	30000	2024-09-29 23:55:29
2	Samsung Galaxy (1)	1	Ankita	1234567890	35000	2024-09-30 00:30:43
3	Redmi 12 5G (1) ,Redmi 5G (1)	1	Ankita	1234567890	42500	2024-09-30 00:41:28
5	Samsung Galaxy (1)	1	Ankita	1234567890	35000	2024-10-03 00:27:13

❖ User Side

Registration

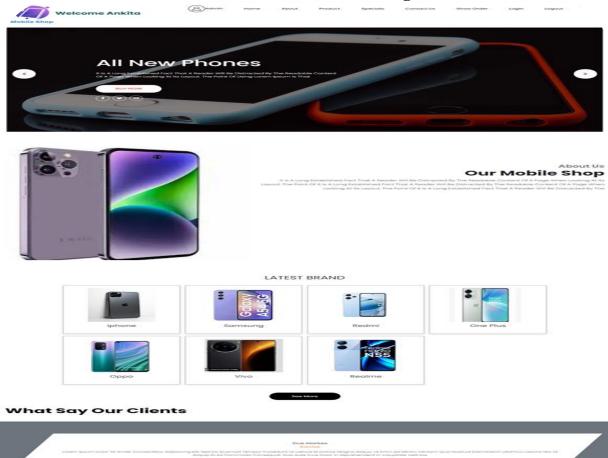## This is User Registration Page

Login

This is User LoginPage
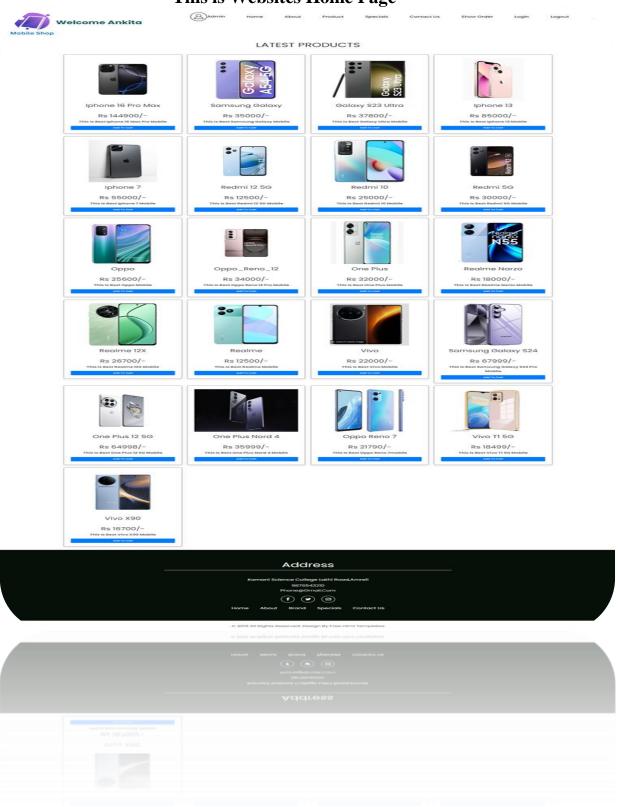
Home Page

This is Websites Home Page
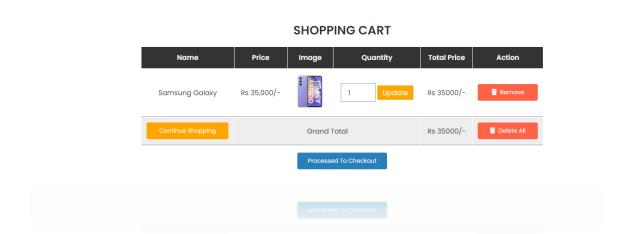
Latest Product
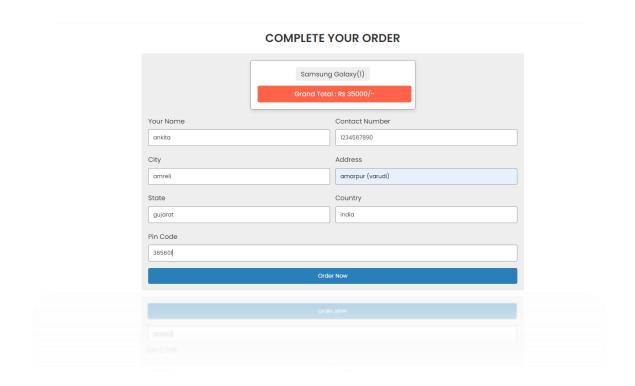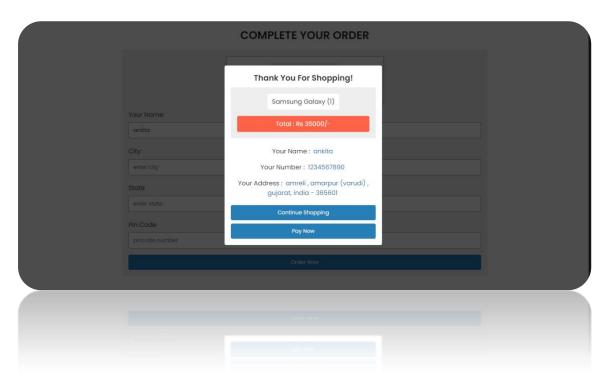
This is Websites Home Page

Add To Cart

This is Shopping Cart Page

SHOPPING CART

Name	Price	Image	Quantity		Total Price	Action
Samsung Galaxy	Rs 35,000/-		1	Update	Rs 35000/-	🗑 Remove
Continue Shopping		Grand Total			Rs 35000/-	🗑 Delete All

Processed To Checkout

Process To Checkout

This is Place Order Page

COMPLETE YOUR ORDER

Samsung Galaxy(1)

Grand Total : Rs 35000/-

Your Name

ankita

Contact Number

1234567890

City

amreli

Address

amarpur (varudi)

State

gujarat

Country

india

Pin Code

365601

Order Now

COMPLETE YOUR ORDER

Thank You For Shopping!

Samsung Galaxy (1)

Total : Rs 35000/-

Your Name : ankita

Your Number : 1234567890

Your Address : amreli , amarpur (varudi) ,
gujarat, india - 365601

Continue Shopping

Pay Now

Your Name

ankita

City

enter city

State

enter state

Pin Code

pincode number

Order Now

Payment

This is Payment Page

Secured By **Razorpay**
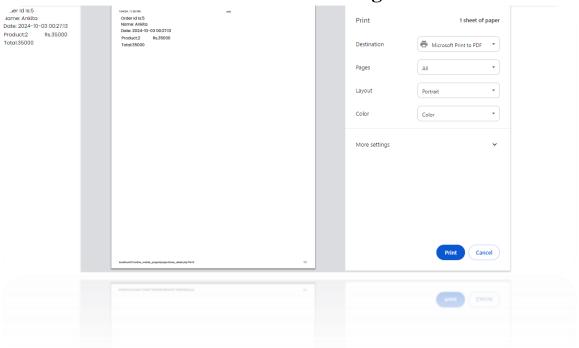
Show Order

This is User Show Order Page

Order Id	Cart Id	Product Name	User Id	Username	Contact_no	City	Address	State	Country	Pin_code	Total Price	Date Time	Action
1	1	Redmi 5G (1)	1	Ankita	1234567890	Amreli	Abc	Gujarat	India	365601	30000	2024-09-29 23:55:29	Bill / Cancel
2	2	Samsung Galaxy (1)	1	Ankita	1234567890	Amreli	Abc	Gujarat	India	365601	35000	2024-09-30 00:30:43	Bill / Cancel
3	4	Redmi 12 5G (1) ,Redmi 5G (1)	1	Ankita	1234567890	Amreli	Abc	Gujarat	India	365601	42500	2024-09-30 00:41:28	Bill / Cancel
5	6	Samsung Galaxy (1)	1	Ankita	1234567890	Amreli	Abc	Gujarat	India	365601	35000	2024-10-03 00:27:13	Bill / Cancel

Bill

This is User Bill Page

Test Case

<u>Login Form</u>

Test Case	Test Step	Input Data	Expected Result	Actual Result	Exception Result
To Login 001	To check user email and Password click Login button.	Enter valid user email and Password.	User should be go on Home page.	User login successful.	Successful
To Login 002	To check User email and password click login button.	Enter invalid user email and Valid password.	User should not go on Home page.	User not login.	Successful
To Login 003	To check User email and password click login button.	Enter valid user email and invalid password.	User should not go on Home page.	User not login.	Successful
To Login 004	To check User email and password click login button.	Enter invalid user email and Invalid Password.	User should not go on Home page.	User not login.	Successful

Prons & Cons of System

🞣 Advantages Of Project ::

- User are easily Add to Cart, Delete and update.
- Online payment are available
- A bill is also Provided

🞣 Limitations Of Project ::

- You have to put backup of every changes in database or tables.

Bibliography

Bibliography means take reference to prepare any project. Here I concern the book and website which takes reference is as under.

Reference Book

- PHP
- System Analysis And Design

Reference Website

- www.google.com
- www.w3school.com
- https://getbootstrap.com