

**A
PROJECT REPORT
ON**

iConnect

SUBMITTED BY

Krupali Chotaliya
Aastha Variya

ACADEMIC YEAR 2021-24

T.Y B.C.A. SEM - 5

UNDER THE GUIDANCE OF

Mr. Shaunak Purohit
Mr. Savan Sanghvi

**SMT. C.Z.M GOSRANI B.C.A. COLLEGE
JAMNAGAR**

SUBMITTED TO



SAURASHTRA UNIVERSITY - RAJKOT

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Certificate



OSHWAL EDUCATION TRUST MANAGED
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CZMG BCA/31/2023-24/34

Date: 22/09/2023

CERTIFICATE OF PROJECT COMPLETION

This is to certify that

*Chotaliya Krupali D.
&
Variya Aastha*

of BCA Semester 5 of Smt. C.Z.M.G. BCA College affiliated to Saurashtra University Rajkot, have completed the project on "iConnect: Your One-Stop Online Shop for Apple Devices" based on institute requirements during Semester 5.

Mr. ShaunaK Purohit

CODE GUIDE

Mr. Savan Sanghvi

DOCUMENT GUIDE

EXAMINER NAME & SIGN

EXAM DATE: 05/10/2023

ABSTRACT

iConnect is a cutting-edge web platform designed to serve as comprehensive online marketplace exclusively dedicated to Apple products. With the continuous surge in demand for Apple devices, iConnect aims to streamline the process of purchasing these products by offering a user-friendly and secure online shopping experience.

The website will boast an extensive collection of Apple products, including iPhones, iPads, MacBook, Apple Watches, AirPods, and Desktop. Users will have access to detailed product information.

One of the key differentiators of iConnect is its intuitive interface, which provides seamless navigation, enabling customers to find their desired products swiftly. Furthermore, iConnect will prioritize user experience by offering personalized accounts, carts, and secure payment gateways.

The iConnect project incorporates a robust admin module, providing exclusive access to the website's administrative page. Within this module, the admin holds unparalleled control, possessing the ability to effect changes across the entire website. This includes the power to add, delete, and update any information related to products, users, and orders.

ACKNOWLEDGEMENT

We feel great pleasure in submitting this project report as a part of our B.C.A. Semester 5 curriculum. A practical study plays an important role.

For the successful completion of our project, we would especially like to thank our parents for their support and unconditional help. We would also like to thank our Project Guides Mr. Shaunak Purohit and Mr. Savan Sanghvi for their constant support and help in implementation of this project.

We are also thankful to our Principal Ma'am, Ms. Hetal G. Savla for all the facilities they provided throughout our semester and for encouraging us to take up this activity.

Lastly, We would also like to thank the faculties and staff members of Smt. C.Z.M. Gosrani B.C.A. College, Jamnagar.

PROJECT PROFILE

STUDENT INFORMATION	
Name Krupali Chotaliya Aastha Variya	Enrollment Numbers 003203212497 003203212599
PROJECT DETAILS	
Project Title	iConnect
Duration	4 Months
Name of Project	iConnect
Platform	J2EE MySql Server
Team Size	2
GUIDE INFORMATION	
Names of Guides	Mr. Shaunak Purohit Mr. Savan Sanghvi

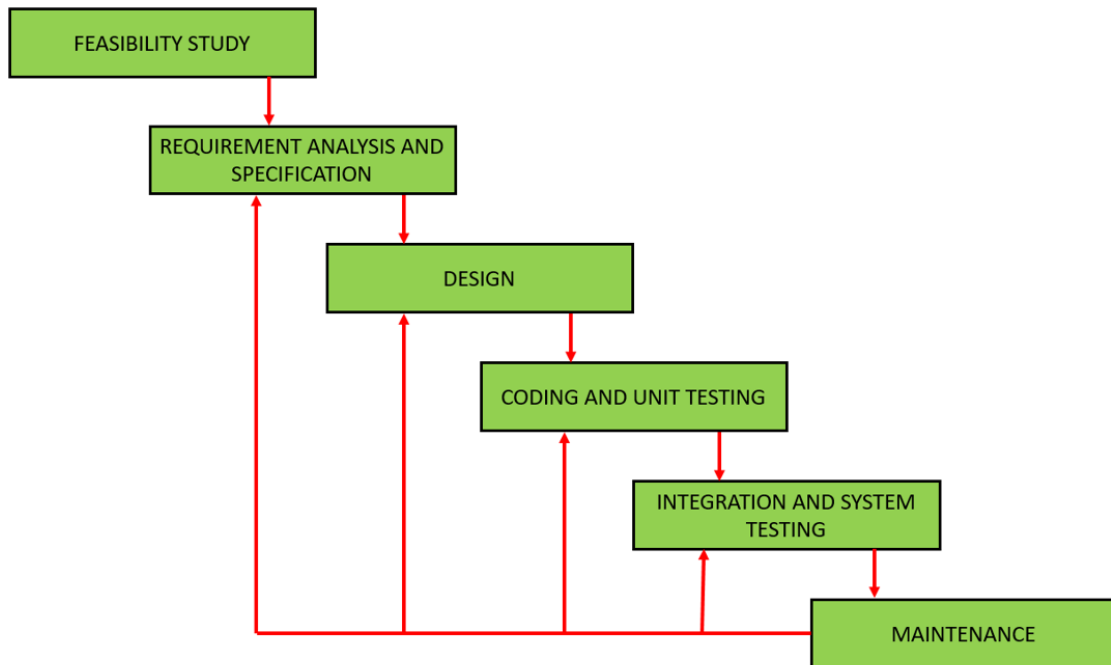
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CHAPTER 1

OVERVIEW OF THE ACCCEPTED SDLC MODEL



Iterative Waterfall Model

- The Iterative Waterfall Model is a software development approach that combines elements of both the traditional Waterfall Model and iterative development.
- The iterative waterfall model provides feedback paths from every phase to its preceding phases.
- It provides some flexibility to adapt to changes. Instead of waiting until the end of the project to make modifications, you can incorporate changes gradually throughout the development process.

CHAPTER 2

REQUIREMENT GATHERING AND ANALYSIS

2.1 Organization details

➤ **Name of organization:**

- Newvent Export

➤ **Brief details of the organization:**

- Newvent Export is an import – export company in patel colony ,street no.3 , Jamnagar. This is well-known company in the field of e-commerce. This company is established since 2015.

2.2 Meetings

➤ **Meeting with a general manager:**

• **Name of the general manager:**

- Yash Variya

• **Requirements of the general manager in their own words:**

- Users can create an account or log in using their credentials.
- Display a comprehensive catalog of Apple products, categorized by product type and specifications.
- Display detailed product pages with specifications and images.
- Allow users to add products to their shopping cart and display the cart's contents, quantities, and total price.
- Enable users to proceed to checkout from their shopping cart.
- Integrate Razor pay for secure payment processing.

2.3 Type of project

- This system will be form of web application with the use of internet.

2.4 Method of collecting requirements

- Interview
- Questionaries
- Observation
- Record Review

CHAPTER 3

SYSTEM REQUIREMENT SPECIFICATION

3.1 Introduction

➤ **Purpose :-**

Develop a fully functional e-commerce website dedicated to selling various Apple products, including iPad, iPhone, MacBook, Air Pods, and iMac. The website aims to provide a user-friendly interface for customers to browse, select, and purchase Apple products conveniently. Customers can also make payments securely through the Razor pay payment gateway.

➤ **Scope :-**

- The Website produced will be an online Apple Store. Everyone can view and buy the apple products.

➤ **Operating Environment**

○ **Client-side requirements:**

- To use the application, a computer with internet connection and web browser is required.

○ **Server-side(hosting) requirements:**

- Operating System: Windows 7 above
- Memory: 4 GB
- Storage: 150 GB
- Server software: NetBeans 17, Tomcat9 server, jdk 1.8, MySql

➤ **User Classes**

● **Admin**

- Can add, update and delete users, product.
- Can view category, orders and delivery details.

● **User**

- They can view products and update their carts.
- They cannot add new user or product.
- Enable users to proceed to checkout from their shopping cart.
- Make a payment through the Razor-pay.

3.2 System Modules

➤ Authentication

- Admin and user can login into the website by entering proper details.

➤ Manage product

- These details are available for admin and user.
- Admin can insert, update and delete the product details.
- User can only view and purchase products.

➤ Manage category

- These details are available for admin and user.
- Admin can manage the category details.
- User have not rights to change in category.

➤ New user details

- These details are available only for admin.
- Admin can manage the details of new user

➤ Cart details

- These details are available for users.
- Allow users to add products to their shopping cart and display the cart's contents, quantities, and total price.

3.3 External Interface Requirements

➤ Software Interface Requirements

- Operating System –Windows 10 or above
- Front End – html, JavaScript, CSS
- Back End – MySQL ,java, tomcat 9 server
- Software for the Front End – Net Beans 17
- The website gets payment information from Razor-Pay Payment Gateway services in JSON format over HTTP.

➤ User Interface Requirements

- In case the user is not registered. He/ She can enter the details and create an account. Once the account is created user can 'login'. If the username or password is incorrect then an error message appears.

3.4 Non-functional Requirements

➤ Performance Requirements

- Overall System should be fast and error free.
- It should have built in error checking and correction facilities.

➤ Security Requirements

- Administrator has more rights than user.

3.5 Feasibility Study

A feasibility study is a preliminary investigation of a proposed system to decide whether the system can run smoothly with the organization.

3.5.1 Operational Feasibility: -

Operational feasibility is the measure of how well a proposed system solves the problems, and takes advantage of the opportunities identified during scope definition and how it satisfies the requirements identified in the requirements analysis phase of system development

3.5.2 Technical Feasibility: -

Technical feasibility determines whether the work for the project can be done with the existing equipment, software technology and available personal.

Technical feasibility is concerned with specifying equipment and software that will satisfy the user requirement.

3.5.3 Economic Feasibility: -

Economic feasibility determines whether there are sufficient benefits in creating to make the cost acceptable, or is the cost of the system too high.

So this signifies cost benefit analysis and savings on the behalf of the cost benefit analysis.

3.5.4 Schedule Feasibility: -

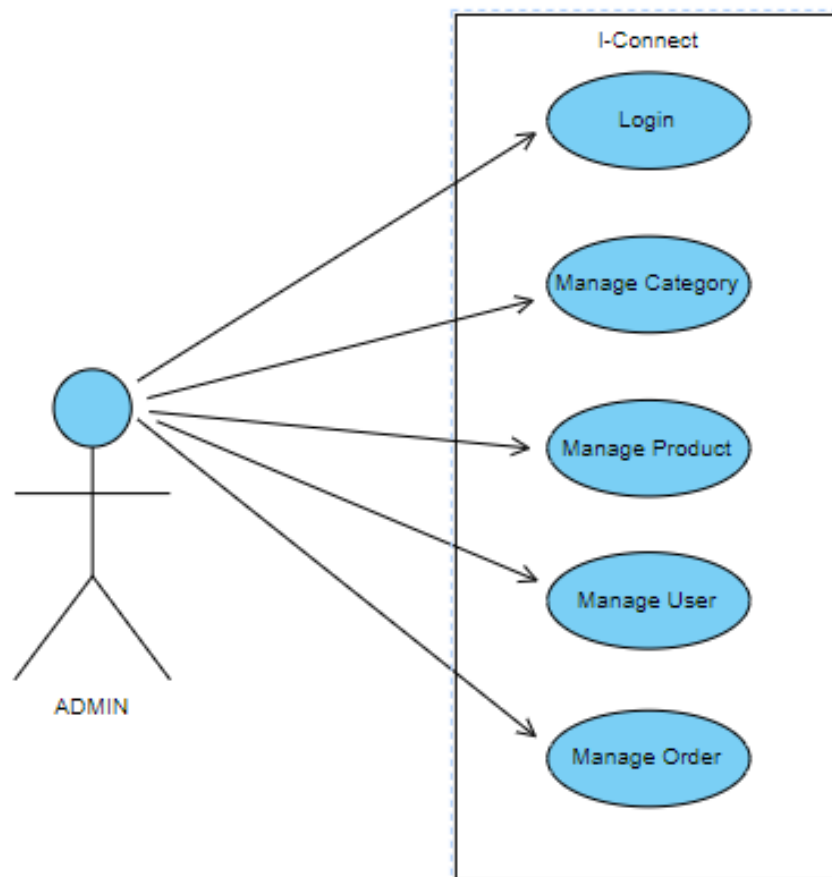
How long will it take to get the technical expertise?

We may have the technology, but that doesn't mean we have the skills required to properly apply that technology.

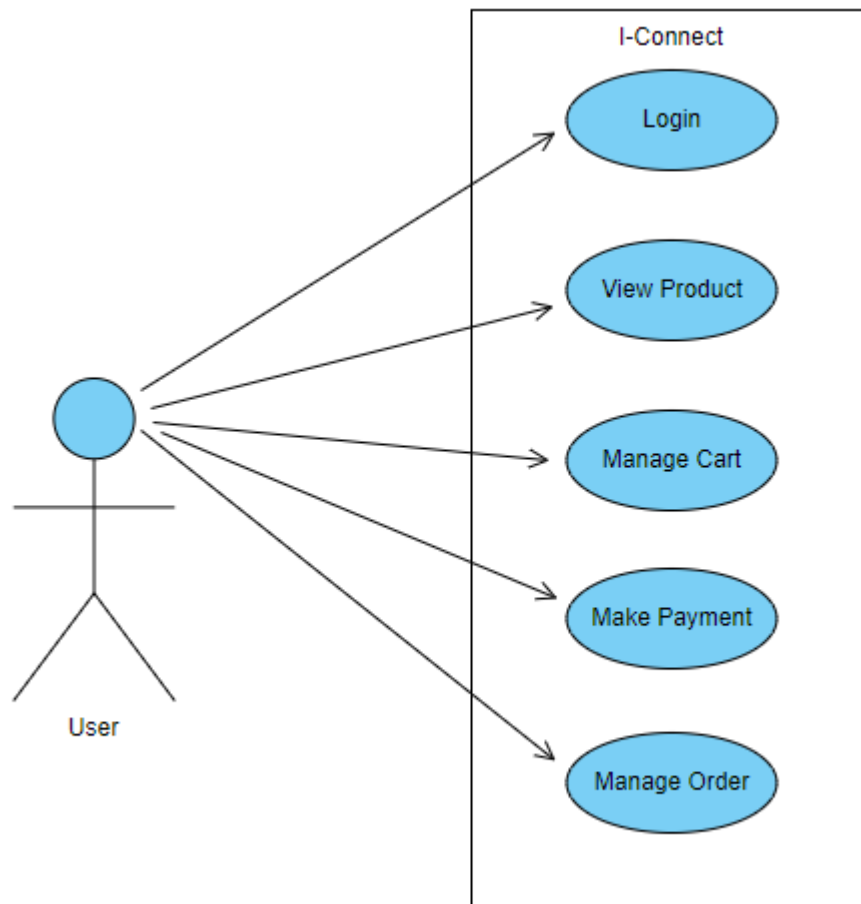
4. SYSTEM ANALYSIS AND MODELING

4.1 Use case Diagram:

1) Admin Side



2) User Side



4.1 Normalization & E-R Diagram:

Normalization is the process of organizing the -
(attributes) and tables (relations) of a relational database to
reduce data redundancy and improve data integrity.



Unnormalized Form:

1) Table Name: User

userId	userAddress	userEmail	userName	userPassword
1	Delhi	abc@gmail.com	abc	Abc123
2	Jamnagar	xyz@gmail.com	xyz	Xyz234

userPhone	userType	active
9894164165	admin	active
9984561654	Normal	active

2) Table Name: Category_Product

Id	pDescription	pDiscount (%)	pName	pPic
1	16.95 cm (6.7) or 15.40 cm (6.1) Super Retina XDR display5 Advanced...	10	iPhone 14 Pro Max	iPhone 14 Pro Max_0.jpg
2	4.5K Retina Display (24-inch/60.96 cm, M1 chip with 8-core CPU ...	5	iMac	iMac_0.jpg

pPrice	pQuantity	Category	pOtherPics
139900	100	Iphone	Apple iPhone 14 Pro Max_1.jpg,Apple iPhone 14 Pro Max_2.jpg,Apple iPhone 14 Pro Max_3.jpg
70000	34	Desktop computer	iMac_1.jpg,iMac_2.jpg,iMac_3.jpg

➤ **Normalized Form:**

A. 1st Normal Form:

1) Table Name: User

Primary Key: userId (Auto Increment)

userId(pk)	userAddress	userEmail	userName	userPassword
1	Delhi	abc@gmail.com	abc	Abc123
2	Jamnagar	xyz@gmail.com	xyz	Xyz234

userPhone	userType	active
9894164165	admin	active
9984561654	Normal	active

2) Table Name: Category

Primary Key: Id (Auto Increment)

categoryId (pk)	categoryDescription	categoryTitle
1	iphone	iphone
2	macbook	macbook

3) Table Name: Product

Primary Key: pld (Auto Increment)

Id (pk)	pDescription	pDiscount (%)	pName	pPic
1	16.95 cm (6.7) or 15.40 cm (6.1) Super Retina XDR display5 Advanced...	10	iPhone 14 Pro Max	iPhone 14 Pro Max_0.jpg
2	4.5K Retina Display (24-inch/60.96 cm, M1 chip with 8-core CPU ...	5	iMac	iMac_0.jpg

pPrice	pQuantity	pOtherPics
139900	100	Apple iPhone 14 Pro Max_1.jpg,Apple iPhone 14 Pro Max_2.jpg,Apple iPhone 14 Pro Max_3.jpg
70000	34	iMac_1.jpg,iMac_2.jpg,iMac_3.jpg

4) **Table Name: orders**

Primary Key: id (Auto Increment)

id(pk)	Status	amount	Order_id
1	Paid	214000	order_M7e9a64z7CyfKL
2	Paid	90000	order_M7eAz6RmPOqz4j

Payment_id	receipt	orderDate
pay_M7e9vMvWIS9w98	txn_12343	2023-06-29 11:58:43
pay_M7eCxEurK3RABK	txn_12343	2023-06-29 2:06:08

5) **Table Name: Delivery**

Primary Key: id (Auto Increment)

id(pk)	Address	city	landmark	state
1	Manek chowk	Ahmedabad	Manek chowk	India
2	s.v road, near modi school	Rajkot	Modi school	India

name	phoneno	pincode
Abc	8956316535	360001
xyz	7913256133	360005

B. 2nd Normal Form:

1) Table Name: Product

Primary Key: pld (Auto Increment)

Foreign Key: Category_categoryId

pId(pk)	pDescription	pDiscount (%)	pName	pPic
1	16.95 cm (6.7) or 15.40 cm (6.1) Super Retina XDR display5 Advanced...	10	iPhone 14 Pro Max	iPhone 14 Pro Max_0.jpg
2	4.5K Retina Display (24-inch/60.96 cm, M1 chip with 8-core CPU ...	5	iMac	iMac_0.jpg

pPrice	pQuantity	Category_categoryId(fk)	pOtherPics
139900	100	Iphone	Apple iPhone 14 Pro Max_1.jpg,Apple iPhone 14 Pro Max_2.jpg,Apple iPhone 14 Pro Max_3.jpg
70000	34	Desktop computer	iMac_1.jpg,iMac_2.jpg,iMac_3.jpg

Available_quantity	active
90	1
30	1

2) **Table Name: orders**

Primary Key: id (Auto Increment)

Foreign Key: User_id

id(pk)	Status	amount	Order_id
1	Paid	214000	order_M7e9a64z7CyfKL
2	Paid	90000	order_M7eAz6RmPOqz4j

Payment_id	receipt	User_id(fk)	orderDate
pay_M7e9vMvWIS9w98	txn_12343	1	2023-06-29 11:58:43
pay_M7eCxEurK3RABK	txn_12343	3	2023-06-29 12:06:08

3) **Table Name: delivery**

Primary Key: id (Auto Increment)

Foreign Key: Order_id

id(pk)	Address	city	landmark	state
1	Manek chowk	Ahmedabad	Manek chowk	India
2	s.v road, near modi school	Rajkot	Modi school	India

4) Table Name: order_product

Primary Key: id (Auto Increment)

Foreign Key: Order_id

Foreign Key: Product_id

name	Phoneno	pincode	Order_id(fk)
Abc	8956316535	360001	1
xyz	7913256133	360005	5

id(pk)	Quantity	Order_id(fk)	product_id(fk)
1	2	1	4
2	1	2	5

4.2 Data Dictionary

1) Table name – User:

SRNO.	COLUMN NAME	DATATYPE	NULL	LINKS TO	COMMENTS
1	userId	Int (11)	No		Primary Key, Auto Increment
2	userAddress	Longtext	No		
3	userEmail	Varchar (100)	No		Unique Key
4	username	Varchar (40)	No		
5	userPassword	Varchar (20)	No		
6	userPhone	Varchar (10)	No		
7	userType	Varchar (10)	No		
8	Active	Text	No		Default Value-active

2) Table name – Category:

SRNO.	COLUMN NAME	DATATYPE	NULL	LINKS TO	COMMENTS
1	categoryId	Int (11)	No		Primary Key, Auto Increment
2	categoryDescription	Longtext	No		
3	categoryTitle	Varchar (100)	No		Unique Key

3) Table name – Product:

SRNO.	COLUMN NAME	DATATYPE	NULL	LINKS TO	COMMENTS
1	pId	Int (11)	No		Primary Key, Auto Increment
2	pDescription	Longtext	No		
3	pDiscount	Int (11)	No		
4	pName	Varchar (200)	No		
5	pPic	Longtext	No		
6	pPrice	Int (11)	No		
7	pQuantity	Int (11)	No		
8	Category_categoryId	Int (11)	No	Table-Category Fk-categoryId	
9	pOtherPics	Longtext	No		
10	available_quantity	Int (11)	No		
11	Active	Int (11)	NO		

4) Table name – Orders:

SRNO.	COLUMN NAME	DATATYPE	NULL	LINKS TO	COMMENTS
1	Id	Int (11)	No		Primary Key, Auto Increment
2	Status	Varchar (100)	No		
3	Amount	Int (20)	No		
4	Order_id	Varchar (200)	No		
5	Payment_id	Longtext	No		
6	Receipt	Varchar (200)	No		
7	User_id	Int (11)	No	Table-User Fk- userId	
8	orderDate	datetime	No		

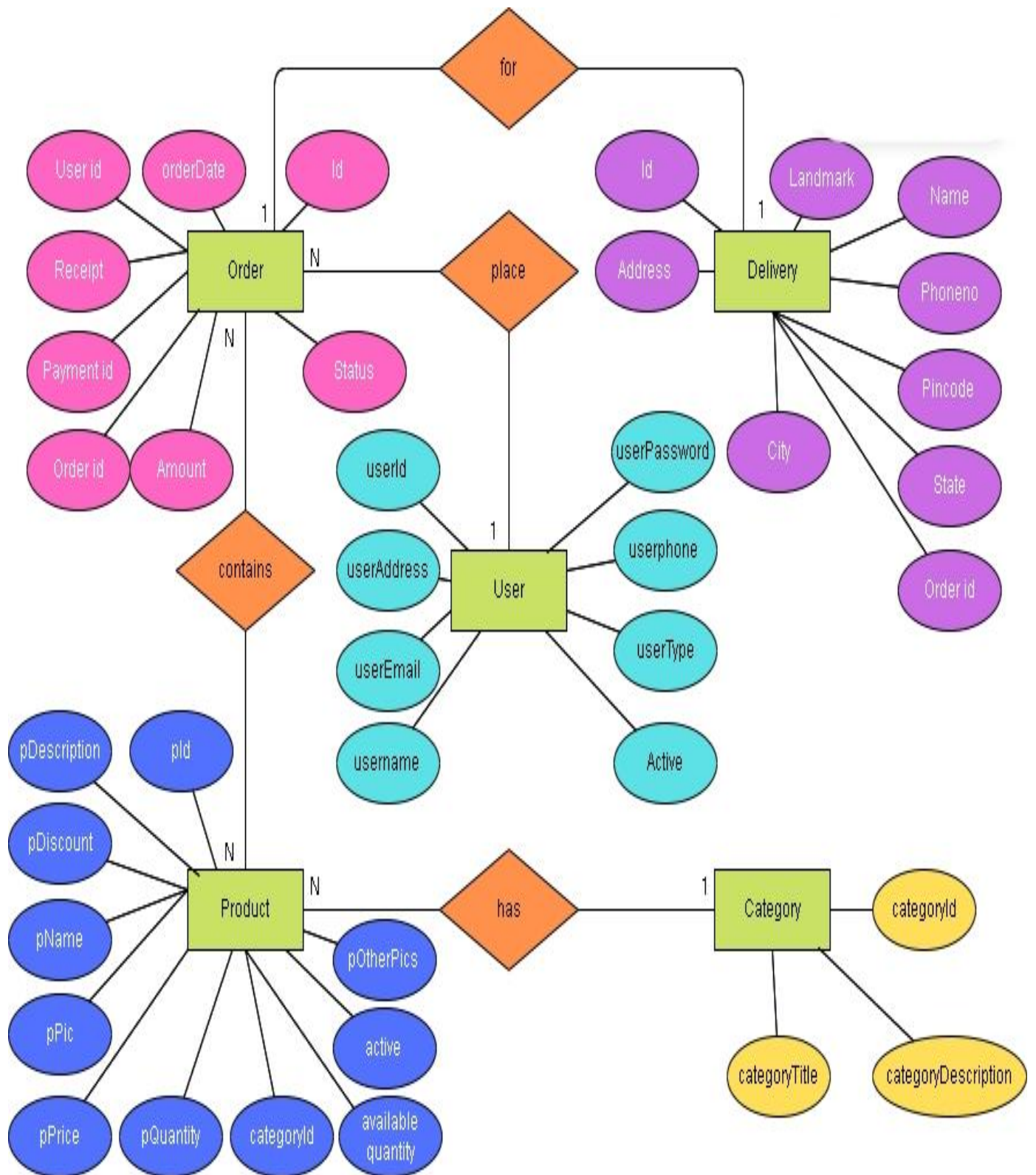
5)Table name – Delivery:

SRNO.	COLUMN NAME	DATATYPE	NULL	LINKS TO	COMMENTS
1	Id	Int (11)	No		Primary Key, Auto Increment
2	Address	Longtext	No		
3	City	Varchar (100)	No		
4	Landmark	Varchar (200)	No		
5	Name	Varchar (40)	No		
6	Phoneno	Varchar (200)	No		
7	Pincode	Int (11)	No		
8	State	Varchar (100)	No		
9	Order_id	Int (20)	No	Table-Orders Fk-Id	

6)Table name –: order_product

SRNO.	COLUMN NAME	DATATYPE	NULL	LINKS TO	COMMENTS
1	Id	Int (11)	No		Primary Key, Auto Increment
2	Quantity	Int (11)	No		
3	Order_id	Int (11)	No	Table-Orders Fk-Id	
4	Product_id	Int (11)	No	Table-Product Fk-pld	

• E R Diagram



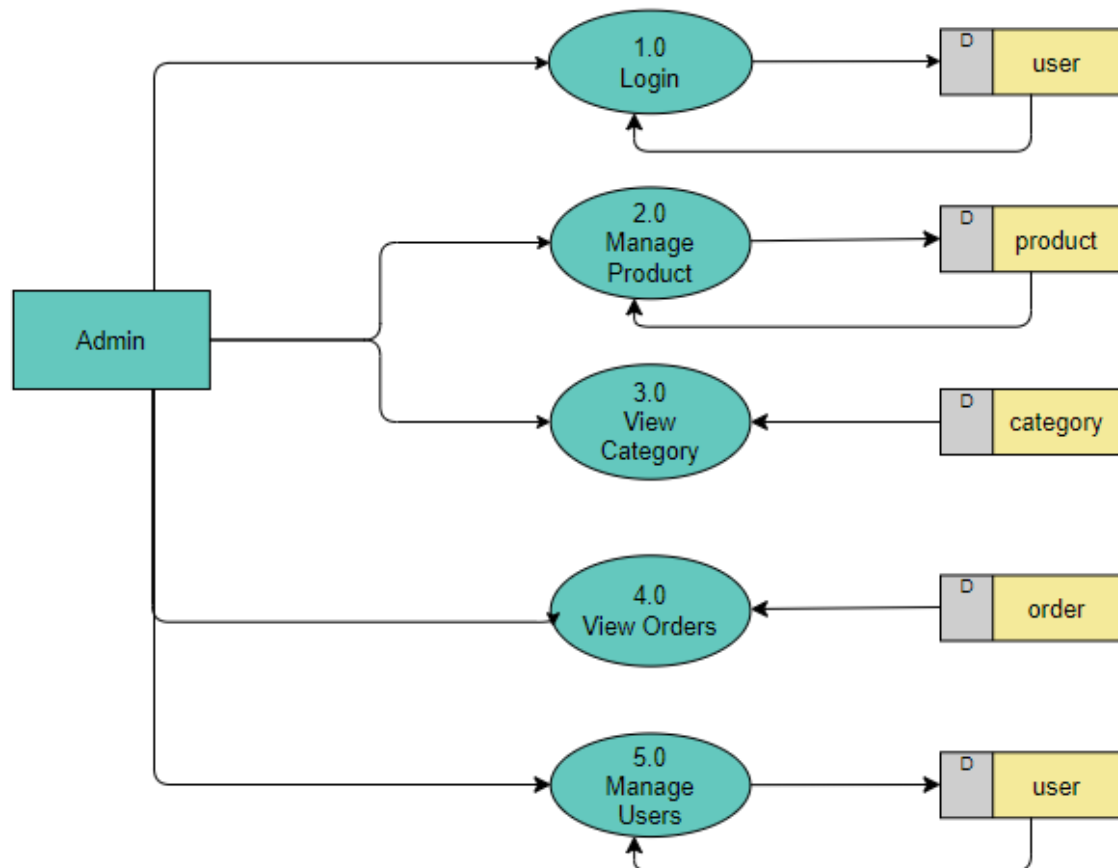
4.3 Functional and behavior modeling

4.3.1 Context Diagram (0-level Diagram)

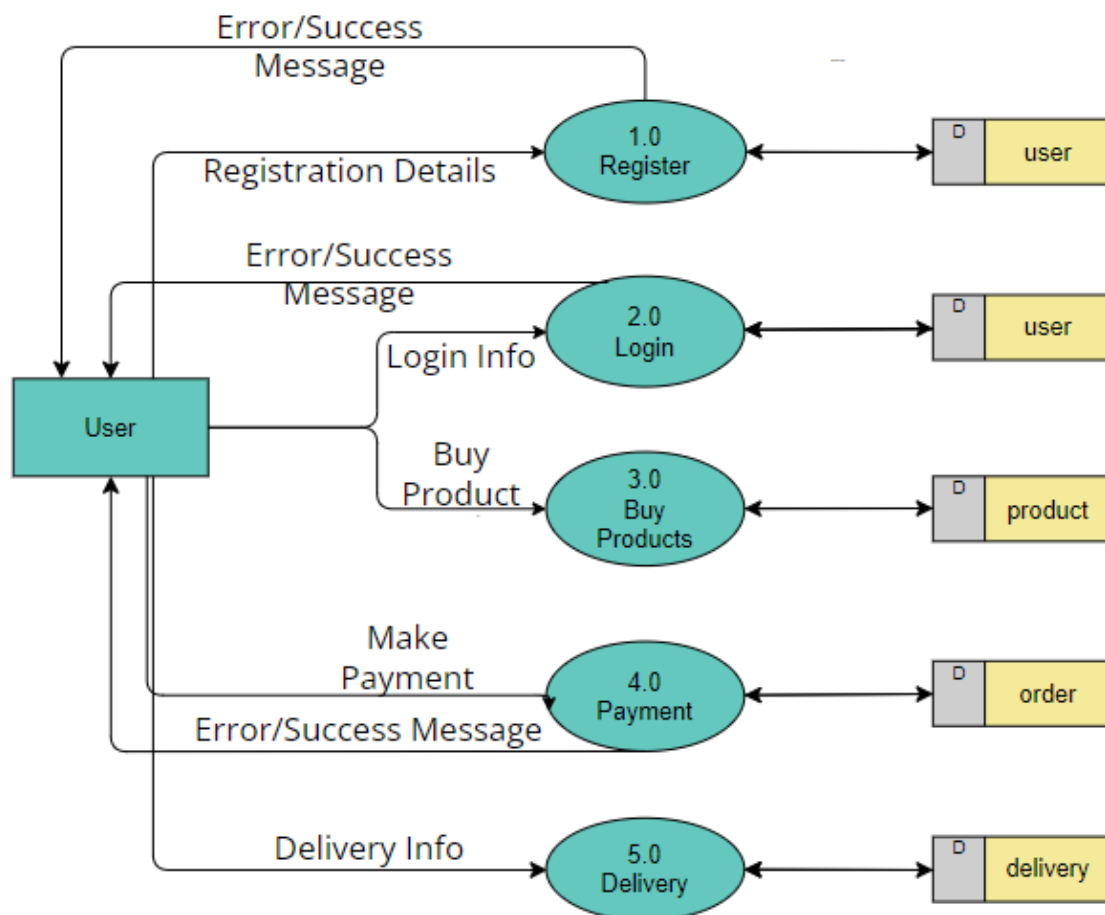


4.3.2 First Level Diagram (1-level Diagram)


- ADMIN













- **USER**



4.4 Gantt Chart

 - Expected Time.

 - Actual Time.

No.	Task	June	July	August	September
1	Analyze SOW and Requirement Gathering	 			
2	System/Platform Analysis		 		
3	System Design		 		
4	System Development			 	
5	System Testing				 

5. TEST CASE

Login Module					
TEST CASE No. 1			TEST CASE DESIGN DATE: 15/July/2023		
TEST TITLE: Login Module Test			TEST CASE EXECUTION DATE: 17/July/2023		
DESCRIPTION: In this test case Login module would be tested					
PRECONDITION: Login Activity must be working					
STEP No.	TEST STEP	TEST DATA	EXPECTED RESULT	ACTUAL RESULT	STATUS
1	Navigate to Login Page	Login Activity	Login Activity is visible	Same As Expected	PASS
2	Enter Email	admin@gmail	Invalid Email	Same As Expected	PASS
3	Enter Password	admin123	Password is accepted	Same As Expected	PASS
4	Enter Wrong Email or Password	Invalid data	Invalid Email or Password	Same As Expected	PASS
5	Click Login Button	Button Click	Check Credentials and if it is correct than redirect to home page	Same As Expected	PASS

* Note: - Email is not accepted in above test case due to invalid format.

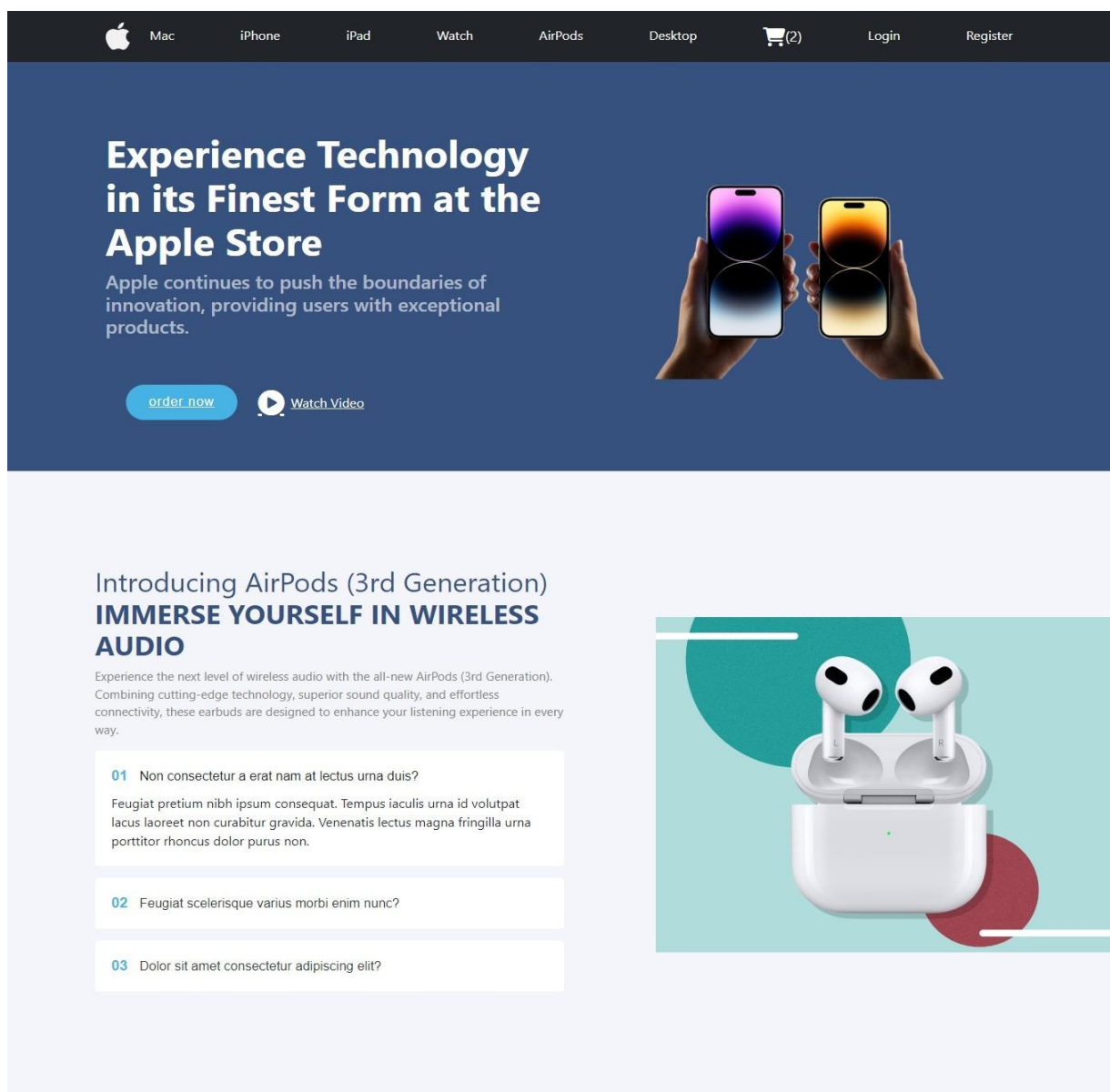
Signup Module					
TEST CASE No. 2			TEST CASE DESIGN DATE: 15/July/2023		
TEST TITLE: Signup Module Test			TEST CASE EXECUTION DATE: 17/July/2023		
DESCRIPTION: In this test case Signup Activity would be tested					
PRECONDITION: Signup Activity must be working					
STEP No.	TEST STEP	TEST DATA	EXPECTED RESULT	ACTUAL RESULT	STATUS
1	Navigate to Signup Activity	Signup Activity	Signup Activity is visible	Same As Expected	PASS
2	Enter All Fields	Data	Check Data Integrity	Same As Expected	PASS
3	Click Signup Button	Button Click	Signup done With all Validation than redirect to login page	Same As Expected	PASS

Product Module					
TEST CASE No. 3			TEST CASE DESIGN DATE: 25/July/2023		
TEST TITLE: product Module Test			TEST CASE EXECUTION DATE: 26/July/2023		
DESCRIPTION: In this test case product Activity would be tested					
PRECONDITION: product Activity must be working					
STEP No.	TEST STEP	TEST DATA	EXPECTED RESULT	ACTUAL RESULT	STATUS
1	Navigate to Add Product Page	Add Product Form	Add Product is visible	Same As Expected	PASS
2	Enter All Fields	Data	Check Data Integrity	Same As Expected	PASS
3	Click Add Button	New Product added	Record is Accepted	Same As Expected	PASS

6. SCREEN SHOTS

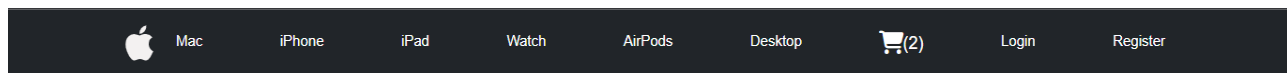
➤ Home page

This page display home page



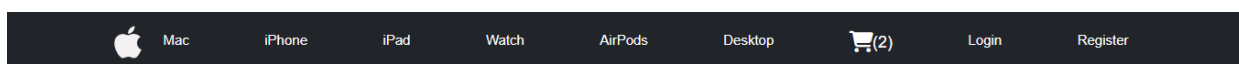
➤ **Login activity:**

This activity display login screen

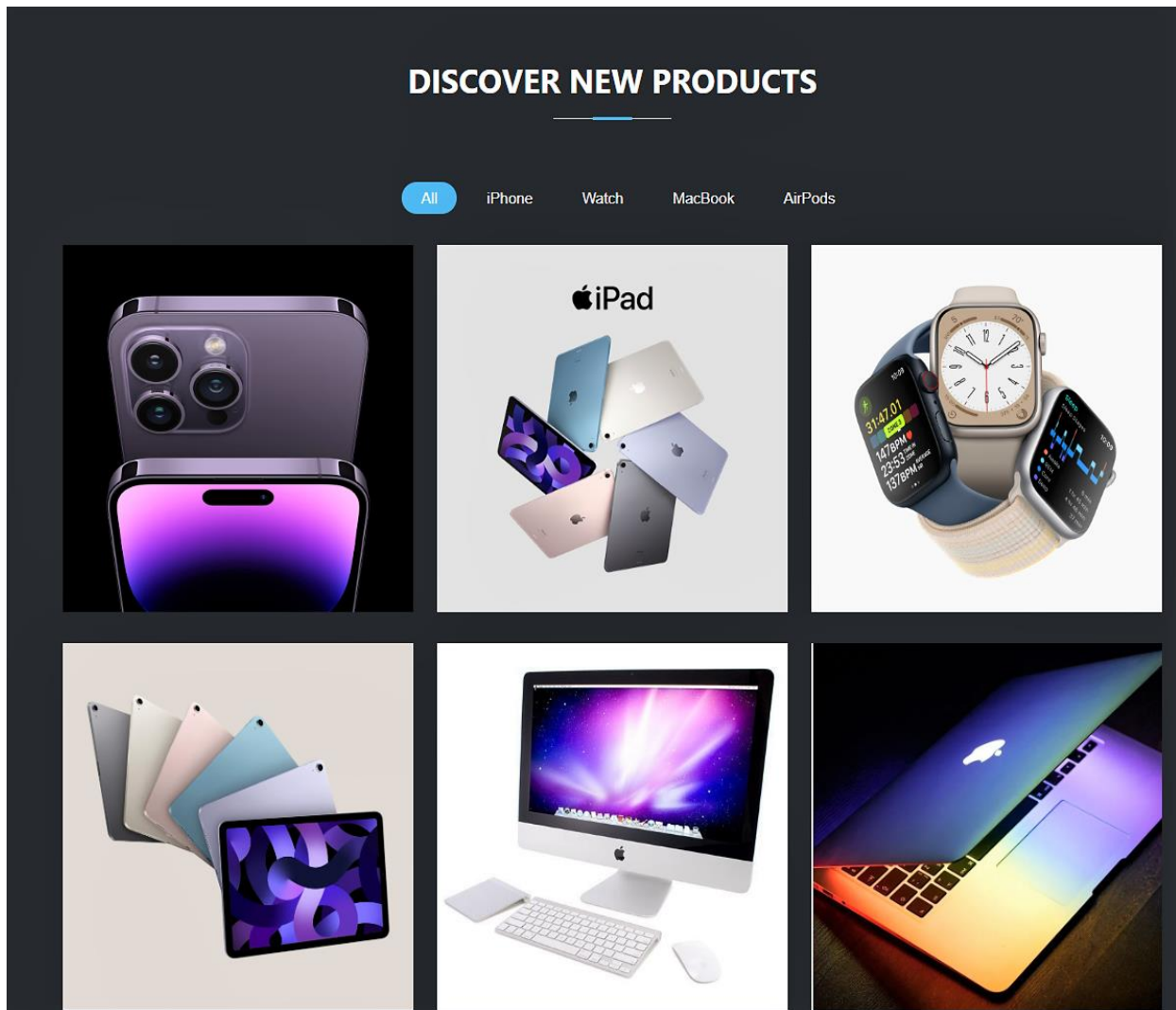
A dark-themed login screen. At the top, it says "Log in". Below that are two input fields labeled "Email" and "Password". Under the password field is a link that says "Create account". At the bottom is a white button labeled "Login".

➤ **Signup activity:**

This activity display signup screen

A dark-themed signup screen. At the top, it says "Sign Up". Below that are five input fields labeled "Email address", "Password", "User name", "Phone Number", and "Address". At the bottom is a white button labeled "Submit".

- **Discover Products:**
This page discover all products



➤ **iPhone:**

This page display iPhones

The screenshot displays the Apple website's iPhone section. At the top, a navigation bar includes links for Mac, iPhone, iPad, Watch, AirPods, Desktop, a shopping cart with 2 items, Login, and Register. The main banner features the iPhone 14 Pro with the headline "IPHONE 14 PRO" and the subtext "Apple Continues To Push The Boundaries Of Innovation, Providing Users With Exceptional Products." Below this is an "order now" button. To the right is a large image of the iPhone 14 Pro. Below the banner is a blue bar with four statistics: 1287+ ORDERS, 5786+ REVIEWS, 1440+ CUSTOMERS, and 7110+ GLOBES. The lower section has a dark background and features two promotional cards. The top card is for the iPhone 14 Pro Max, titled "Introducing iPhone 14 Pro Max: Redefining Excellence In Mobile Technology," with a description of its features and a "Learn More" button. The bottom card is for the iPhone 13, titled "Introducing iPhone 13: The Ultimate Device For Innovation And Expression," with a description of its features, a list of key specs (A15 Bionic Chip, Super Retina XDR Display, Advanced Camera System), and a "Learn More" button. To the right of the iPhone 13 text is a large image of the iPhone 13.

Mac iPhone iPad Watch AirPods Desktop (2) Login Register

IPHONE 14 PRO

Apple Continues To Push The Boundaries Of Innovation, Providing Users With Exceptional Products.

[order now](#)

1287+
ORDERS

5786+
REVIEWS

1440+
CUSTOMERS

7110+
GLOBES

Introducing iPhone 14 Pro Max: Redefining Excellence In Mobile Technology.

The iPhone 14 Pro Max is here to set a new standard in mobile technology, combining advanced features, cutting-edge design, and unparalleled performance. Get ready to experience a new level of excellence with this flagship device.

[Learn More](#)

Introducing iPhone 13: The Ultimate Device For Innovation And Expression

The iPhone 13 is here, and it's ready to elevate your iPhone experience to new heights. With powerful performance, advanced camera capabilities, stunning displays, and a sleek design.

- ✓ A15 Bionic Chip.
- ✓ Super Retina XDR Display.
- ✓ Advanced Camera System.

[Learn More](#)

➤ **iPhone Products:**

This page display latest Products

Which iPhone Is Right For You?



iPhone 14 Pro

₹50000.00 15% off

₹ 42500.00 [Learn more](#)

[Add To Cart](#)



Apple iPhone 14 Pro Max

₹139900.00 9% off

₹ 127309.00 [Learn more](#)

[Add To Cart](#)



iPhone 15 Pro

₹119900.00 10% off

₹ 107910.00 [Learn more](#)

[Add To Cart](#)



iPhone 14 Plus

₹89900.00 10% off

₹ 80910.00 [Learn more](#)

[Add To Cart](#)



iPhone 13 Pro

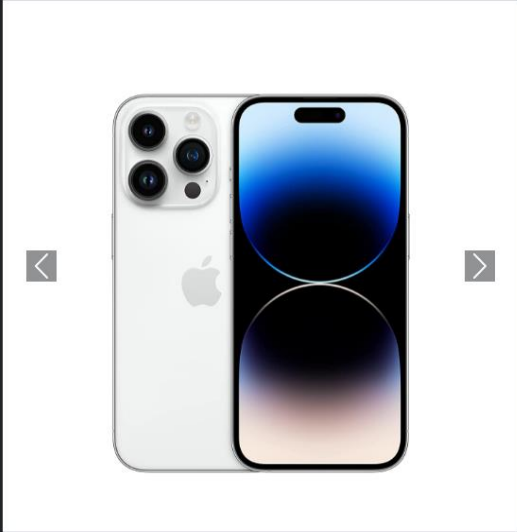
₹50000.00 5% off

₹ 47500.00 [Learn more](#)

[Add To Cart](#)

➤ **Product details:**

This page display product details




iphone 15 pro
₹107910.00
~~₹119900.00~~ 10% off

MacBook Air Laptop with M2 chip: 34.46 cm (13.6-inch) Liquid Retina Display, 8GB RAM, 256GB SSD Storage, Backlit Keyboard, 1080p FaceTime HD Camera. Works with iPhone/iPad; Starlight


➤ **MacBook:**

This page display MacBooks

[Mac](#)[iPhone](#)[iPad](#)[Watch](#)[AirPods](#)[Desktop](#)[🛒 \(2\)](#)[Login](#)[Register](#)

MACBOOK AIR 15

Apple Continues To Push The Boundaries Of Innovation, Providing Users With Exceptional Products.


[order now](#)

1287+
ORDERS

5786+
REVIEWS

1440+
CUSTOMERS

7110+
GLOBES



Introducing iPhone 14 Pro Max: Redefining Excellence In Mobile Technology.


The iPhone 14 Pro Max is here to set a new standard in mobile technology, combining advanced features, cutting-edge design, and unparalleled performance. Get ready to experience a new level of excellence with this flagship device.

[Learn More](#)

Introducing iPhone 13: The Ultimate Device For Innovation And Expression

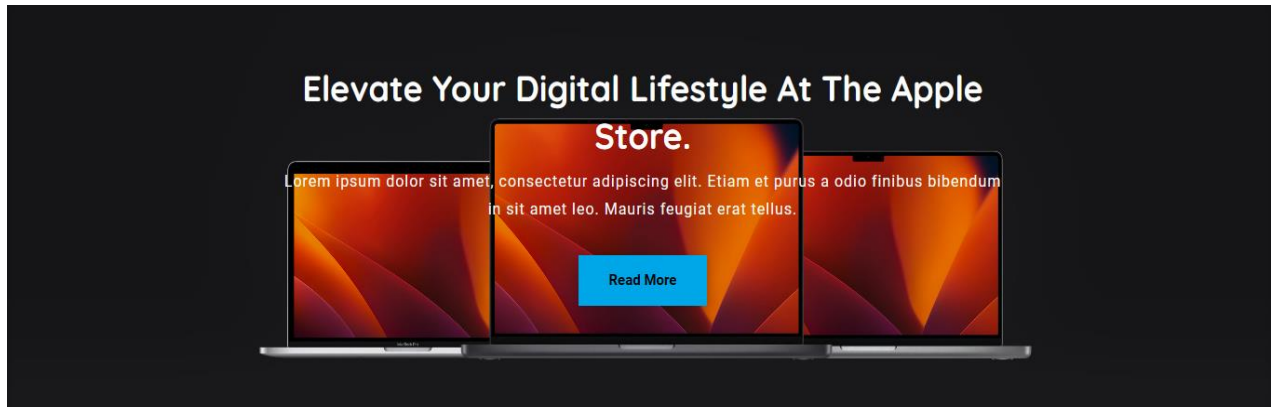
The iPhone 13 is here, and it's ready to elevate your iPhone experience to new heights. With powerful performance, advanced camera capabilities, stunning displays, and a sleek design.

- ✓ A15 Bionic Chip.
- ✓ Super Retina XDR Display.
- ✓ Advanced Camera System.

[Learn More](#)

➤ **MacBook Products:**

This page display latest MacBook products



Which Macbook Is Right For You?



MacBook Pro 13

~~₹129900.00~~ 10% off

₹ 116910.00

[Learn more](#)

[Add To Cart](#)



MacBook Pro 12

~~₹80000.00~~ 5% off

₹ 76000.00

[Learn more](#)

[Add To Cart](#)



Macbook Air

~~₹81900.00~~ 15% off

₹ 69615.00

[Learn more](#)

[Add To Cart](#)

➤ **Product details:**

This page display product details

A MacBook Pro 13 laptop is shown from a front-facing perspective. The screen displays a vibrant, abstract digital artwork with shades of purple, blue, and pink. The laptop is silver and is centered within a white rectangular frame. On either side of the frame, there are small, dark grey square buttons with white chevron symbols pointing left and right, indicating a carousel or gallery view.

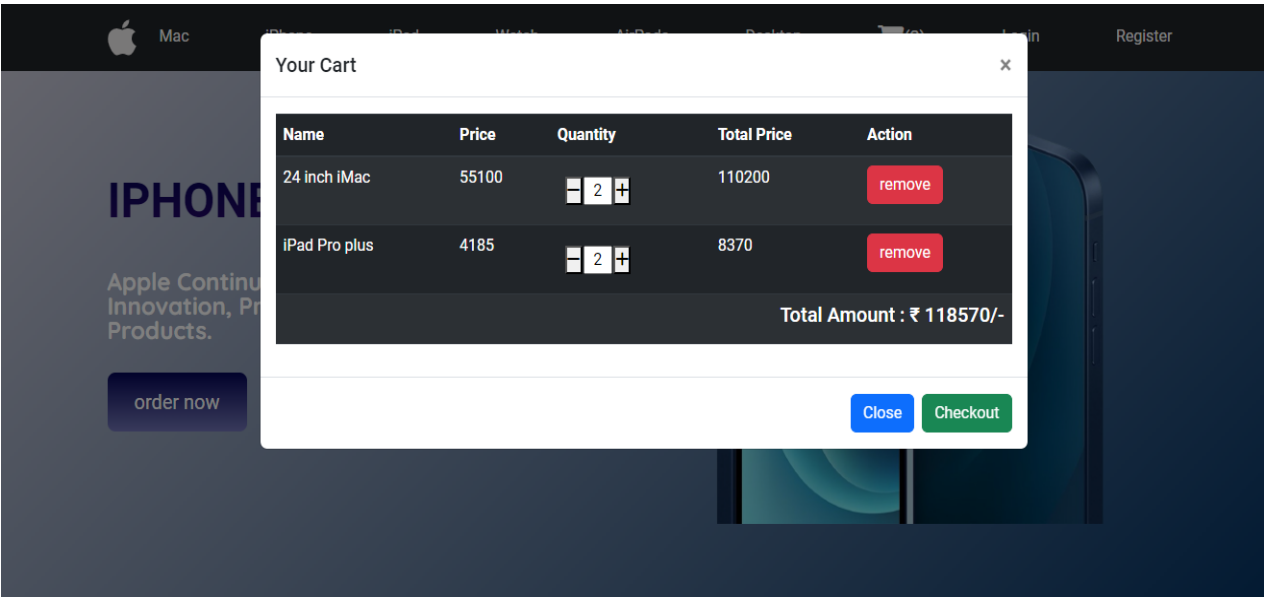
MacBook Pro 13

₹116910.00

~~₹129900.00~~ 10% off



M2 Pro chip with 10âcore CPU and 16âcore GPU: 33.74 cm (14.2-inch), 16GB Unified Memory, 512GB SSD Storage. Works with iPhone/iPad; Space Grey

- **Cart:**
This screen display cart details



➤ **Checkout page:**

This page display checkout information

 Mac iPhone iPad Watch AirPods Desktop  kc [logout](#)

Your Cart

Name	Price	Quantity	Total Price	Action
24 inch iMac	55100	<div>- 2 +</div>	110200	<div>remove</div>
iPad Pro plus	4185	<div>- 2 +</div>	8370	<div>remove</div>
				Total Amount : ₹ 118570/-

Shipping Address

Name

kc

Phone no

1234567890

State

Andhra Pradesh

Pincode

Pincode

City

City

landmark

landmark (optional)

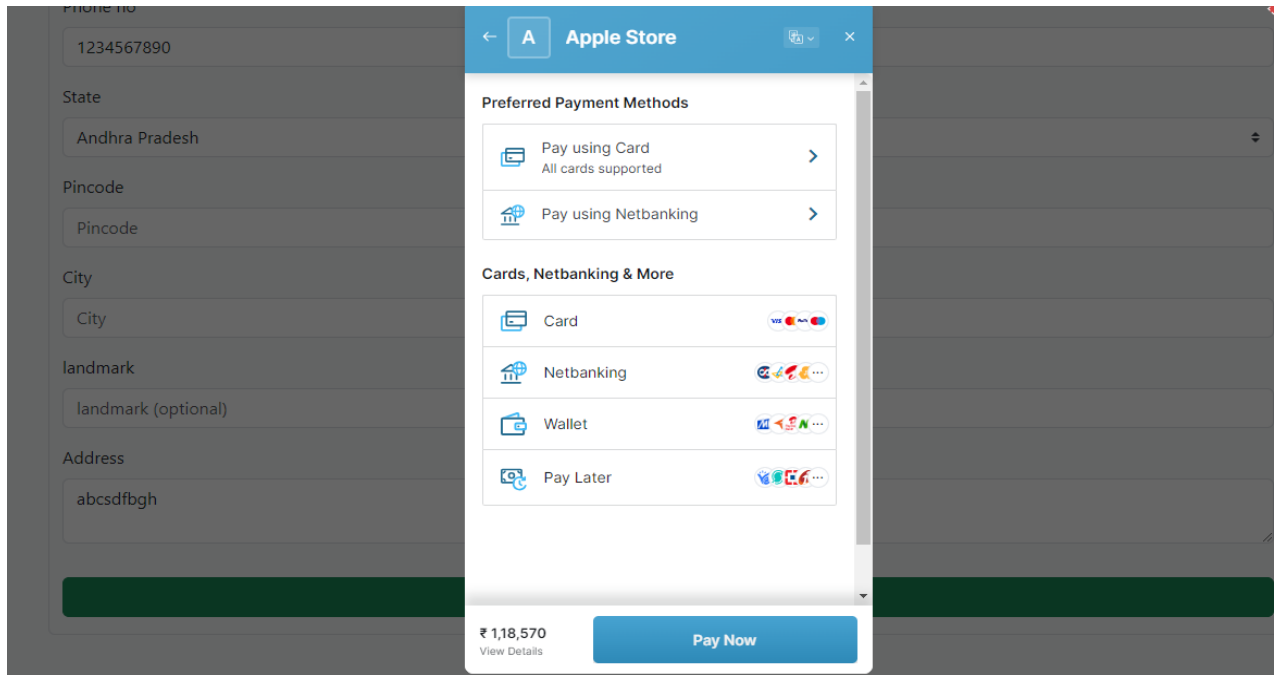
Address

abcsdfbgh

Checkout

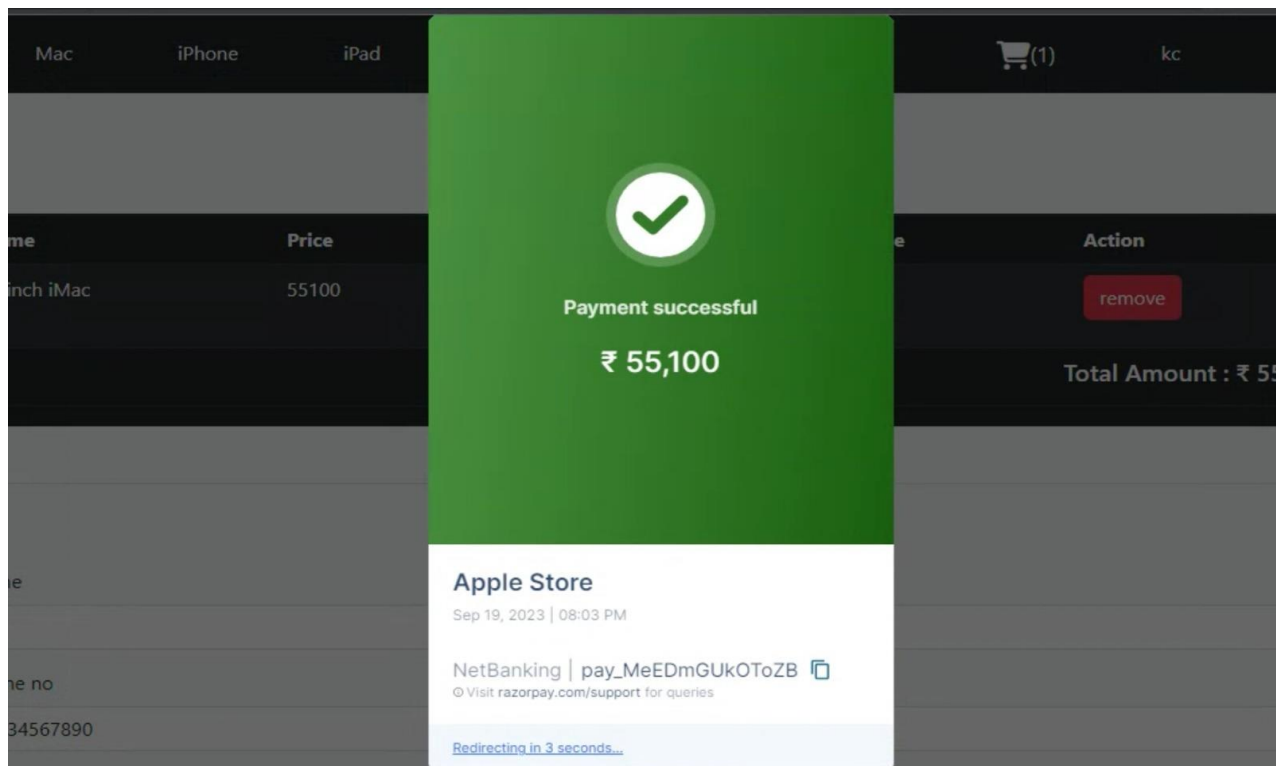
➤ **Payment System:**

This page display payment methods



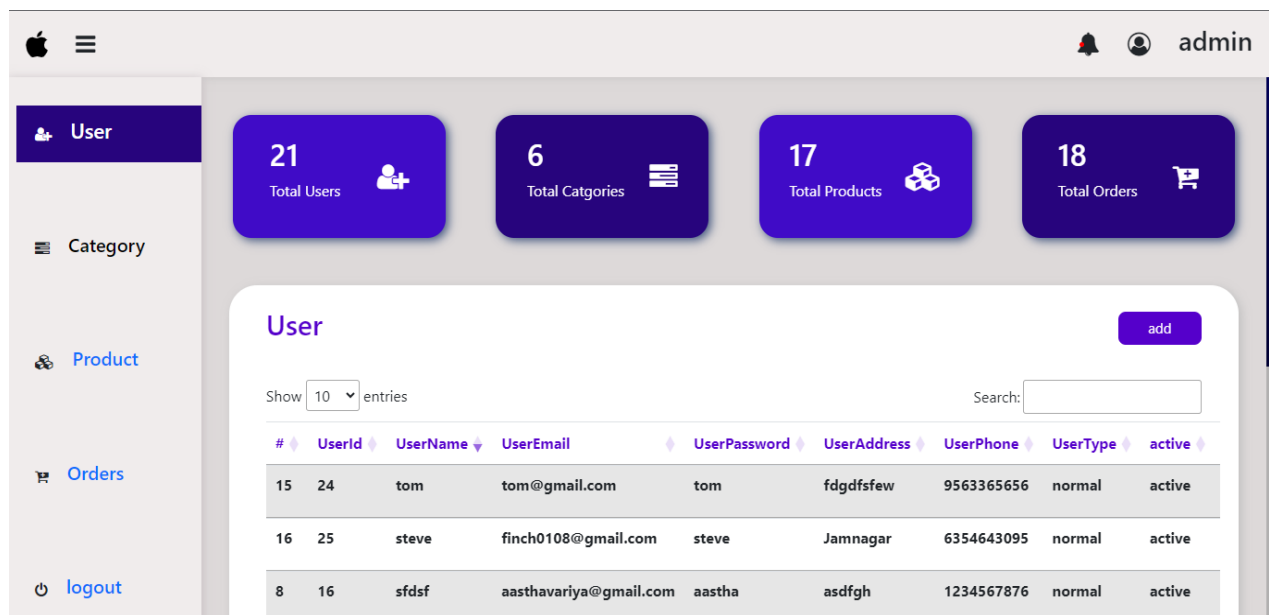
➤ **Successful payment:**

In this page payment done successfully



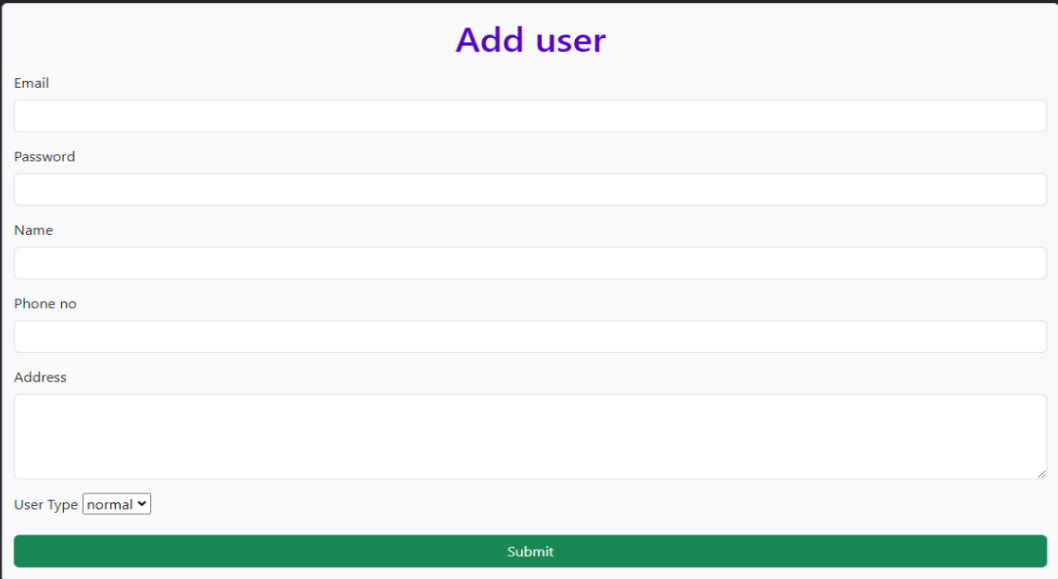
➤ **Admin panel:**

This screen display admin panel dashboard



➤ **Add users:**

This page allow admin to add user



The screenshot shows a web form titled "Add user" in purple text. The form is set against a light gray background and is enclosed in a white border. It contains several input fields: "Email", "Password", "Name", "Phone no", and "Address". Below these fields is a "User Type" dropdown menu currently set to "normal". At the bottom of the form is a green "Submit" button. The entire form is displayed on a dark gray background.

➤ **Edit user:**

This page allow admin to edit user

Edit user

Email

isha@gmail.com

Password

isha

Name

isha

Phone no

9865123468

Address

delhi

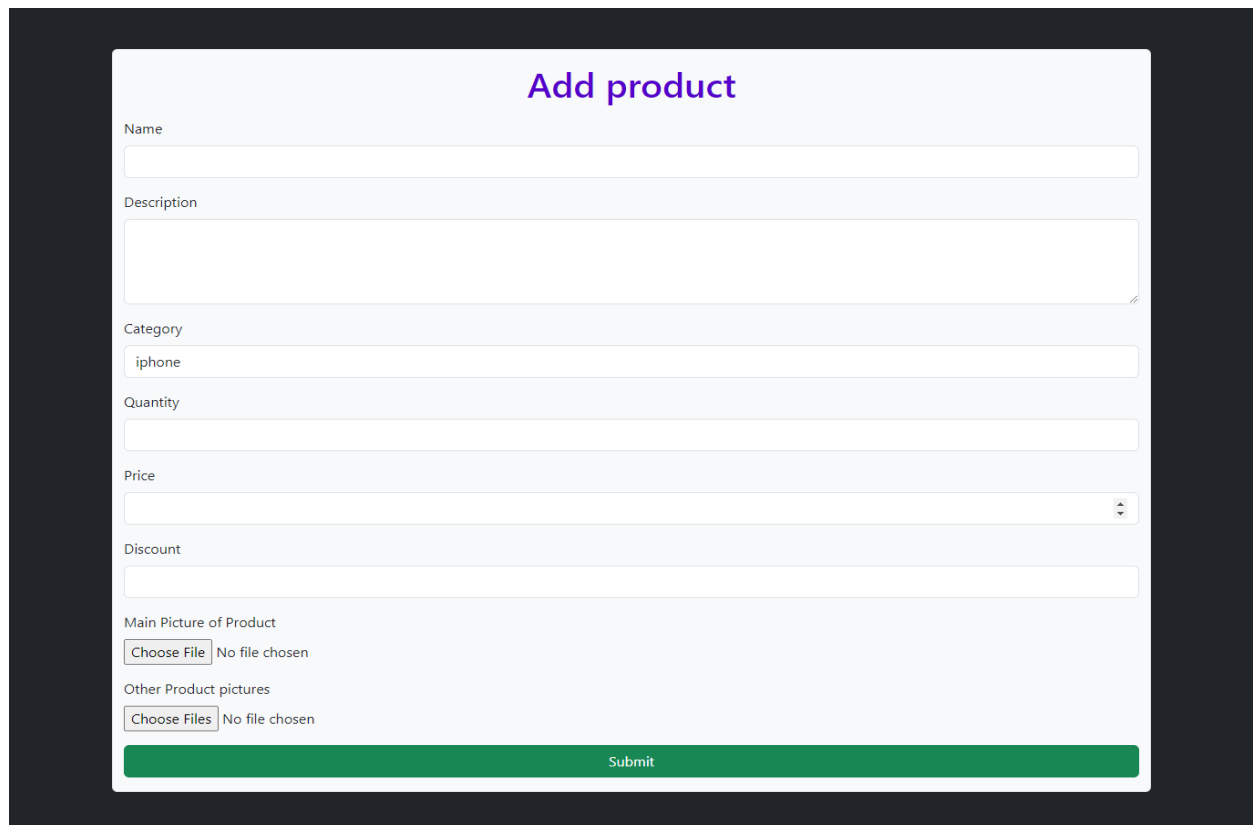
User Type

normal

Submit

➤ **Add products:**

This page allow admin to add products



The screenshot displays a web form titled "Add product" in purple text. The form is set against a light gray background and is enclosed in a white border. It contains several input fields and a submit button. The fields are labeled as follows: "Name" (a single-line text input), "Description" (a multi-line text area), "Category" (a dropdown menu with "iphone" selected), "Quantity" (a single-line text input), "Price" (a single-line text input with a currency symbol icon on the right), "Discount" (a single-line text input), "Main Picture of Product" (a file upload section with a "Choose File" button and "No file chosen" text), and "Other Product pictures" (a file upload section with a "Choose Files" button and "No file chosen" text). At the bottom of the form is a green "Submit" button.

Add product

Name

Description

Category

Quantity

Price

Discount

Main Picture of Product
 No file chosen

Other Product pictures
 No file chosen

➤ **Edit products:**

This page allow admin to edit products

Edit product

Name

Apple iPhone 14 Pro Max

Description

16.95 cm (6.7) or 15.40 cm (6.1) Super Retina XDR display5 Advanced dual-camera system 12MP Main Ultra Wide Action mode smooths out shaky handheld videos

Category

iphone

Quantity

50

Price

139900

Discount

9

Main Picture of Product

No file chosen

Other Product pictures

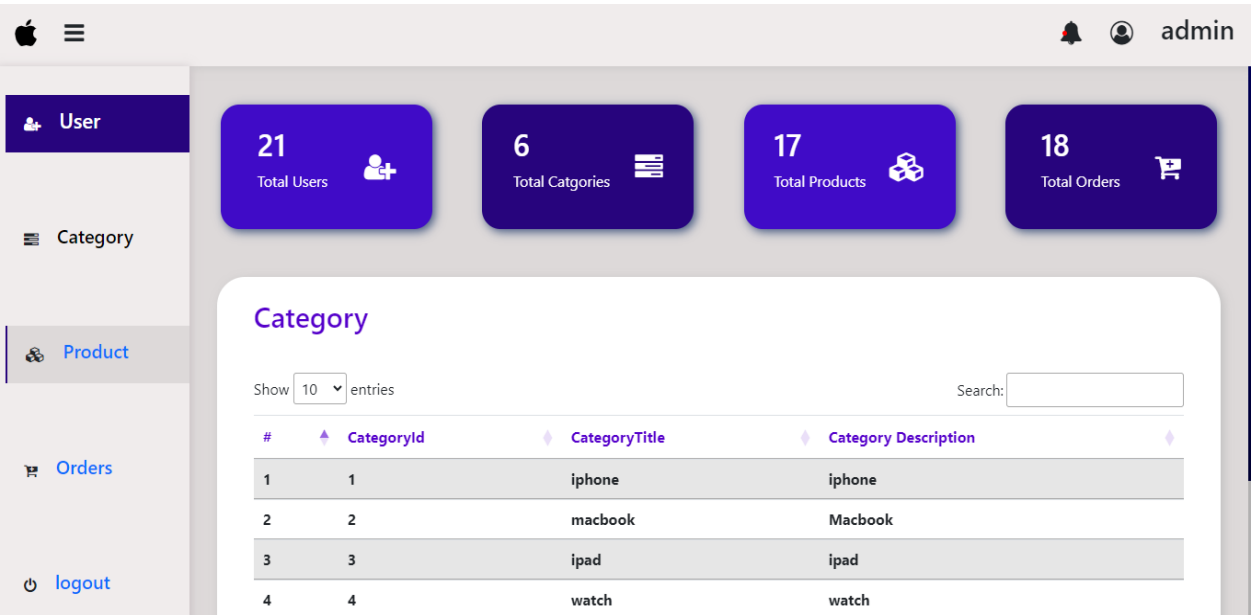
No file chosen

➤ **Orders page:**
This screen display orders page

The screenshot shows the 'Orders page' of the iConnect application. The sidebar on the left contains navigation links: User, Category, Product, Orders, and logout. The main content area features four summary cards: 21 Total Users, 6 Total Categories, 17 Total Products, and 18 Total Orders. Below these is an 'Order' section with a table listing two orders. The table has columns for #, User Email, Order_id, Payment_id, Total Amount, Status, Receipt, and OrderDate. Both orders are from kc@gmail.com and are in 'paid' status.

#	User Email	Order_id	Payment_id	Total Amount	Status	Receipt	OrderDate
1	kc@gmail.com	order_M7e9a64z7CyfKL	pay_M7e9vMvWIS9w98	215820	paid	txn_123434	2023-06-29 11:58:43.0
2	kc@gmail.com	order_M7eAz6RmPOqz4j	pay_M7eBET56e52b9Q	107910	paid	txn_123434	2023-06-29 11:59:58.0

➤ **Category Page:**
This Screen display category page



7.LIMITATIONS AND FUTURE ENHANCEMENT

➤ **Limitations:-**

- **Data Storage and Management:** Managing and storing large volumes of data generated by online systems can be challenging and costly.

● **Future Enhancement:-**

- **Filtering and Sorting:** Allow customers to filter products based on attributes like size, color, price range, and more. Sorting by relevance, showing products that match the user's search or category selection.
- **User-Feedback:** Encourage customers to leave reviews, ratings, and user-generated content, like photos and videos of products in use.
- **Delivery Tracking System:** Implementing an effective delivery tracking system is crucial for e-commerce businesses to enhance customer satisfaction and streamline operations.

8. CONCLUSION

The iConnect apple store has revolutionized the way we shop, offering convenience, a wide variety of products, and the ability to compare prices easily. It has also brought challenges such as security concerns and the need for reliable customer support.

This digital retail model has significantly expanded consumer choices, allowed for competitive pricing, and enabled easy access to product reviews and specifications. Nevertheless, with continued advancements in technology and a focus on user experience, online apple store are likely to remain a dominant force in the retail industry, shaping the way we shop for years to come.

9. REFERENCES AND BIBLIOGRAPHY

All the references listed below were used to develop and design this Website and were also used for documentation. I am thankful to each and every person who helped me and supported for this project completion.

➤ Books :-

- Advanced Java Programming(J2EE)

➤ Websites:-

- chat.openai.com
- www.oracle.com
- www.javatpoint.com
- practice.geeksforgeeks.org
- razorpay.com