

# **Furniture 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)**

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## CERTIFICATE

This is to certify that **Romit Dobariya (202006100110061)** , **Rahul Savaliya (202006100110069)** has submitted project entitled **“Furniture 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.

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# **Chapter 1: Introduction**

## **1.1 Problem Definition**

In the modern age people's time is extremely important, manually visiting a shop is time consuming and not convenient. Customer usually get confused of what to buy and what not to. Opening an actual store in real world is capital consuming. Opening a physical store is space consuming and not even practical to include all new trends. Even after coping up with trends , customers needs and wants to see more furniture which is quite not convenient to shop owners. Customer are not prepared while buying the furniture at store because of lack of ideas, which is again a problem for both customers and shop owners.

## **1.2 Project Objective**

This System is Maintain records of the different furniture products and stock management. If customer don't want to go retail store for buying furniture then he can prefer our site for and view different furniture's. Customer can buy multiple furniture's at a time The main objective of the online Furniture store is to make the workflow flexible and to improve the service provided to the customer and facilitates home delivery of the products.

## **1.3 Product Scope**

- This System is to ease Furniture management and to create a convenient and easy-to-use system for customers, trying to buy Furniture.
- Our Product is Limited for particular city.

## Chapter 2: Overall Description

### 2.1 Product Perspective/ Environment Description

#### 2.1.1 Hardware [Interface/](#) Hardware Specification

- Processor: Intel(R) Core (TM) i3 or more
- RAM: 1.00 GB or more
- Hard Disk 1 GB or more
- Input Device :PC/Laptop/Mobile/Table
- Output Device :PC

#### 2.1.2 [Software Interface/ Software](#) Specification

1. Front-End: HTML,CSS,JS
2. Back-End: ASP.NET,C#

##### 1. Front-End: Visual Studio Code

Visual Studio uses Microsoft Software Development to produce both native code and managed code.

##### 2. Back-End: SQL Server

SQL (Structured Query Language) Used to perform CRUD Operation on Database.

## Chapter 3: System Specific Requirements

### 3.1 Functional Requirement

Functional requirements define the fundamental action that system must perform.

#### *Module 1: Manage User Login*

| RN  | Description  | Comments   |
|-----|--|--|
| FR1 | Admin and Customer will be authenticated with their Username and password to login into the system.  | Login Page   |
| FR2 | Enable a registered user to update password.<br>And also, if user forgets password, then OTP is sent through mail for user's verification. | Login Page<br>ChangePassword Page<br>ForgotPassword Page |

#### *Module 2: Manage Product*

| RN  | Description  | Comments         |
|-----|--|------------------|
| FR1 | This module will be managed by Admin.<br>In this module, the admin will be able to manage many other modules like: <ul style="list-style-type: none"><li>▪ Manage Product</li><li>▪ Manage Image</li></ul> | Product_Add Page |
| FR2 | The system will assign a unique id (Product id) to each product.   | Product_Add Page |



|            |  |  |
|------------|--|--|
|            | Whenever any new product arrives, the admin is allowed to record following details of the product like . . .<br>Product name with its Category Price, Quantity, Type etc.  |  |
| <b>FR3</b> | To manage this module, the admin will be able to perform following operations like: <ul style="list-style-type: none"> <li>▪ Add new product</li> <li>▪ Update an existing product</li> </ul>  | Product_Add Page<br>Product_View<br>_Search_ |
| <b>FR4</b> | The admin and customer will be able to: <ul style="list-style-type: none"> <li>▪ View/Search product (by Category wise, Price wise)</li> </ul>   | Product_<br>View_Update_Search_              |
| <b>FR5</b> | <b>Manage Category:</b><br>In Manage Category module, the admin will be able to perform following operations like: <ul style="list-style-type: none"> <li>▪ Add new category</li> <li>▪ Update an existing category</li> </ul> The admin and customer will be able to: <ul style="list-style-type: none"> <li>▪ View/Search categories</li> </ul> The system will assign a unique id (Category id) to each category. | Category_Add_<br>View_Update_Search          |

### ***Module 3: Manage Customer***

| <b>RN</b>  | <b>Description</b>  | <b>Comments</b>                         |
|------------|---|---|
| <b>FR1</b> | The customer shall also be able to register himself and edit his/her profile.<br>The system will assign a unique id (customer id) to each customer. | Customer_Registratio<br>n(Add)_ Page    |
| <b>FR2</b> | The admin will be able to: <ul style="list-style-type: none"><li>▪ View/Search customer details</li></ul>   | Customer_<br>View_Update_Search<br>Page |
| <b>FR3</b> | The customer will be able to view the details about Furniture like its profile, location, etc.  | Profile Page                            |

### ***Module 4: Manage Cart***

| <b>RN</b>  | <b>Description</b>  | <b>Comments</b>  |
|------------|---|------------------|
| <b>FR1</b> | This module will be managed by Customer.<br>The customer will be able to perform following operations like: <ul style="list-style-type: none"><li>▪ Add to cart</li><li>▪ Update cart products</li><li>▪ Removed cart products</li><li>▪ Order The Products From Cart</li></ul> | Add_To_Cart Page |

### ***Module 5: Manage Customer Order***

| <b>RN</b>  | <b>Description</b>   | <b>Comments</b>                                       |
|------------|--|---|
| <b>FR1</b> | The admin will be able to: <ul style="list-style-type: none"><li>▪ View/Search customer order(s)</li></ul>   | Customer_Order_<br>View_Update_Search_<br>Delete Page |
| <b>FR2</b> | After adding the product into cart, if the customer confirms his/her order, then after login into the system the customer will be able to perform the following operations like: | Customer_Order_Add<br>Page                            |
|            | <ul style="list-style-type: none"><li>▪ Confirm order (Add product order)</li><li>▪ Cancel(Delete) product order</li><li>▪ View product order</li></ul>                          | Customer_Order_<br>View_Update_Search_<br>Delete Page |
| <b>FR3</b> | The customer will be able to view order history.   | Customer_<br>Order_History Page                       |

### ***Module 6: Generate Bill***

| <b>RN</b>  | <b>Description</b>  | <b>Comments</b>   |
|------------|---|---|
| <b>FR1</b> | After the confirmation of order placed by the customer the system will be able to generate bill in “.pdf” with all the necessary details of the Customer. | Customer_Order_Add<br>Page<br>“fpdf” Format<br>(Open-source plugin) |
| <b>FR2</b> | The system will assign a unique id (bill no) to each customer’s order bill.   | Customer_Order_Add<br>Page<br>“fpdf” Format<br>(Open-source plugin) |

### ***Module 7: Payment***

| <b>RN</b>  | <b>Description</b>   | <b>Comments</b> |
|------------|--|-----------------|
| <b>FR1</b> | After the generation of bill, the customer shall be able to make payment using one of the online payment gateways or through cash on delivery.<br><br>The system will assign a unique id (payment id) to each customer's order bill. | Payment Page    |

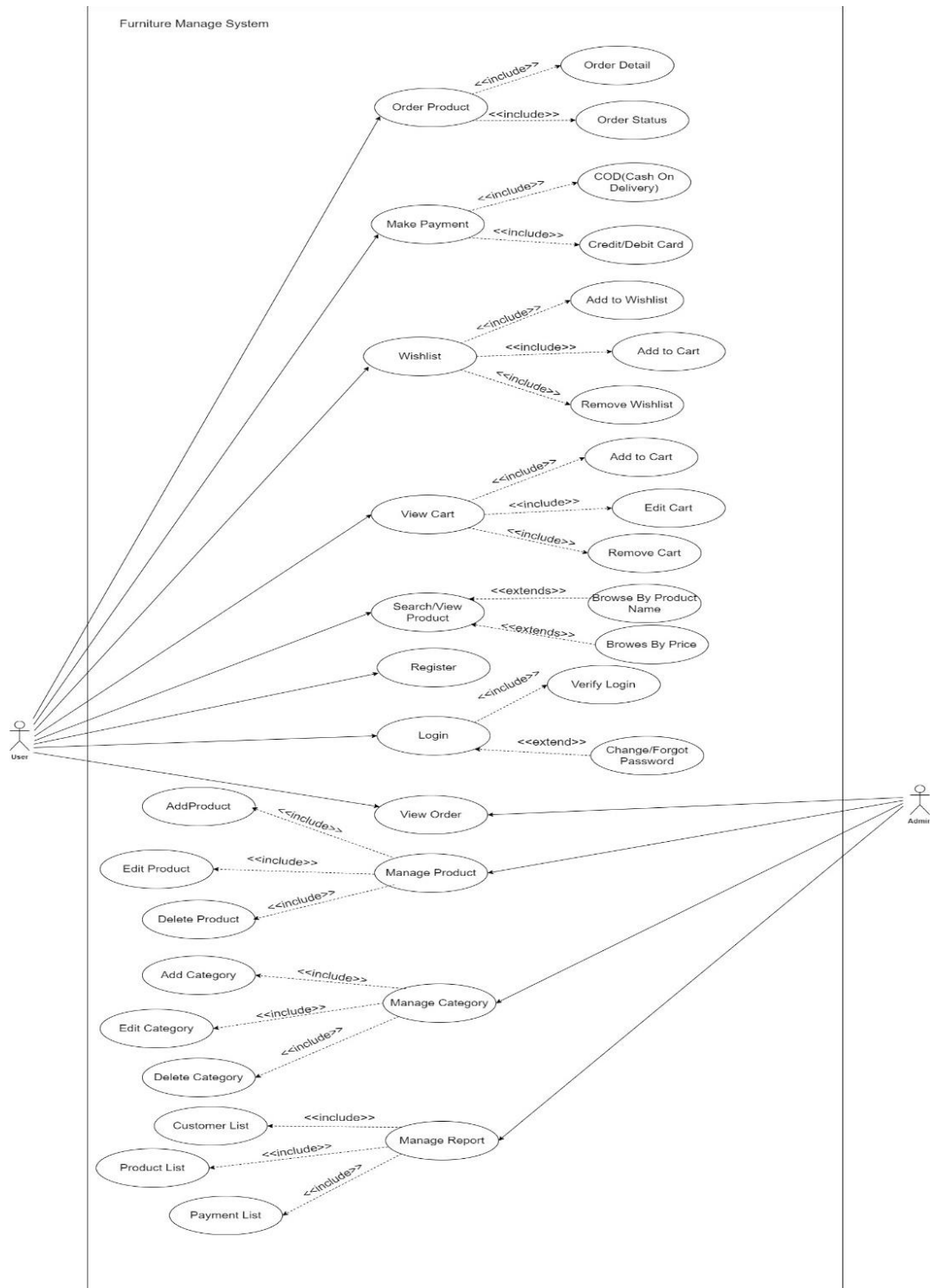
## 3.2 Non- functional Requirement

Non-functional requirements are often called qualities of a system.

| RN   | Description  | Comments        |
|------|--|-----------------|
| NFR1 | The application will be user-friendly and easy to operate, the functions will be easily understandable.                            | Usability       |
| NFR2 | The application will be Password protected(hash) . The Userswill have to enter correct username and password to access the system. | Security        |
| NFR3 | The system will be designed in a maintainable manner. It will be easy to add new requirements in the any individual modules.       | Maintainability |

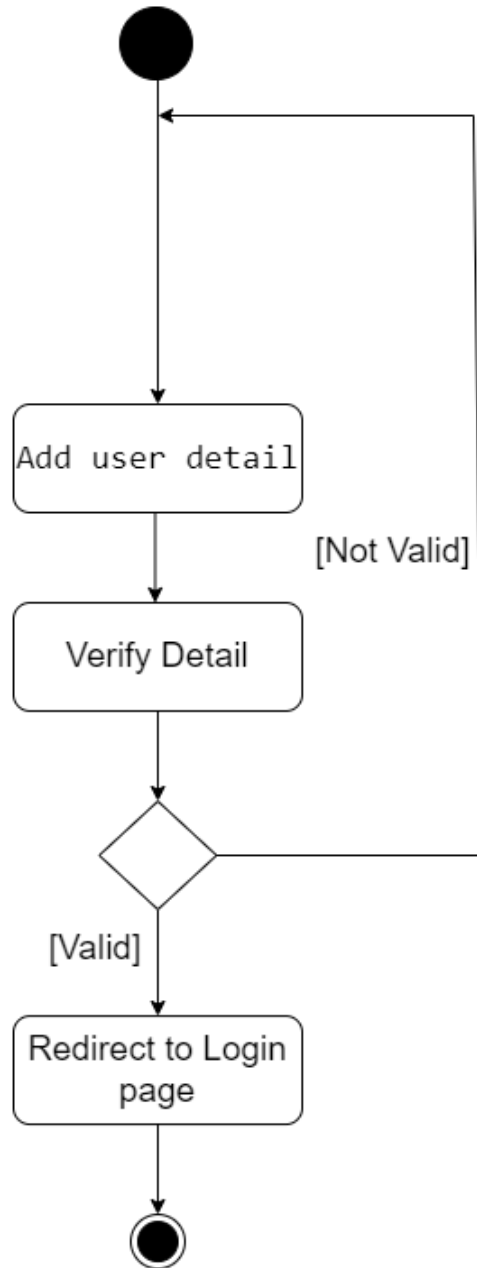
# Chapter 4 : System Analysis

## 4.1 Use Case Diagram for Admin and User

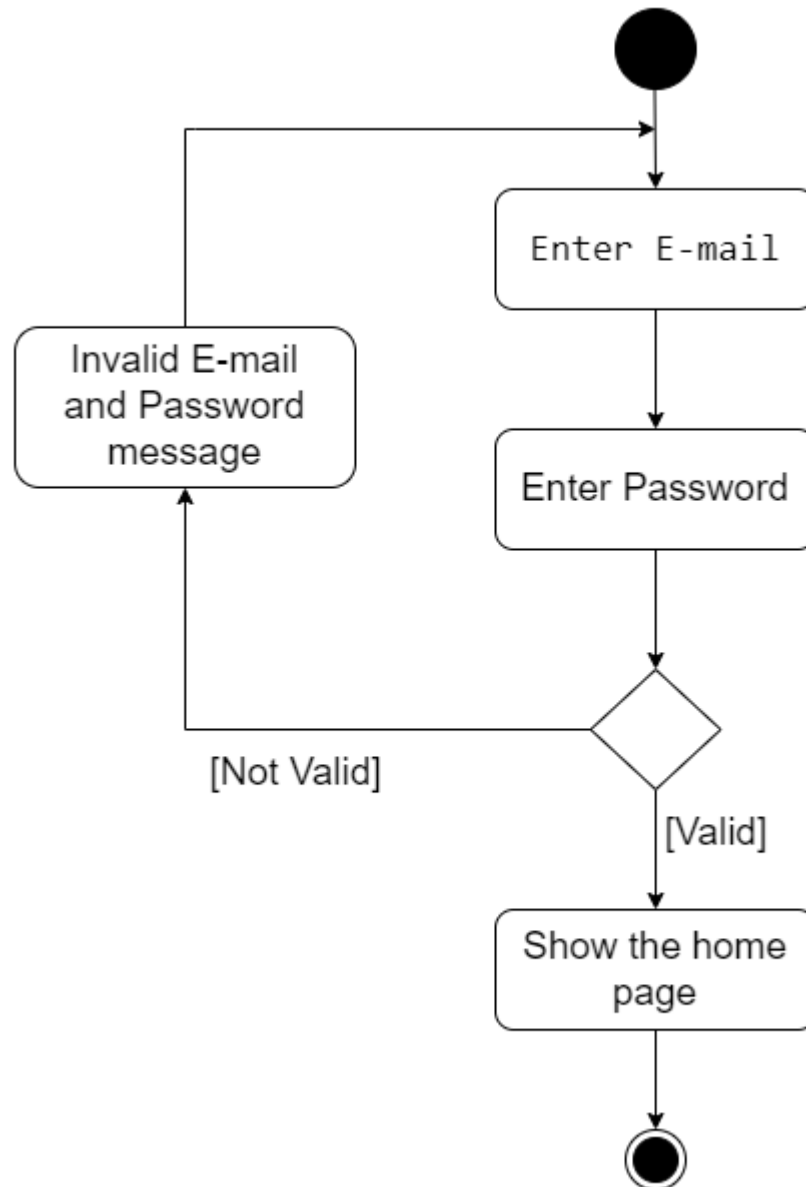


## 4.2 Activity Diagram

- Furniture Management System Activity Diagram for Customer Registration

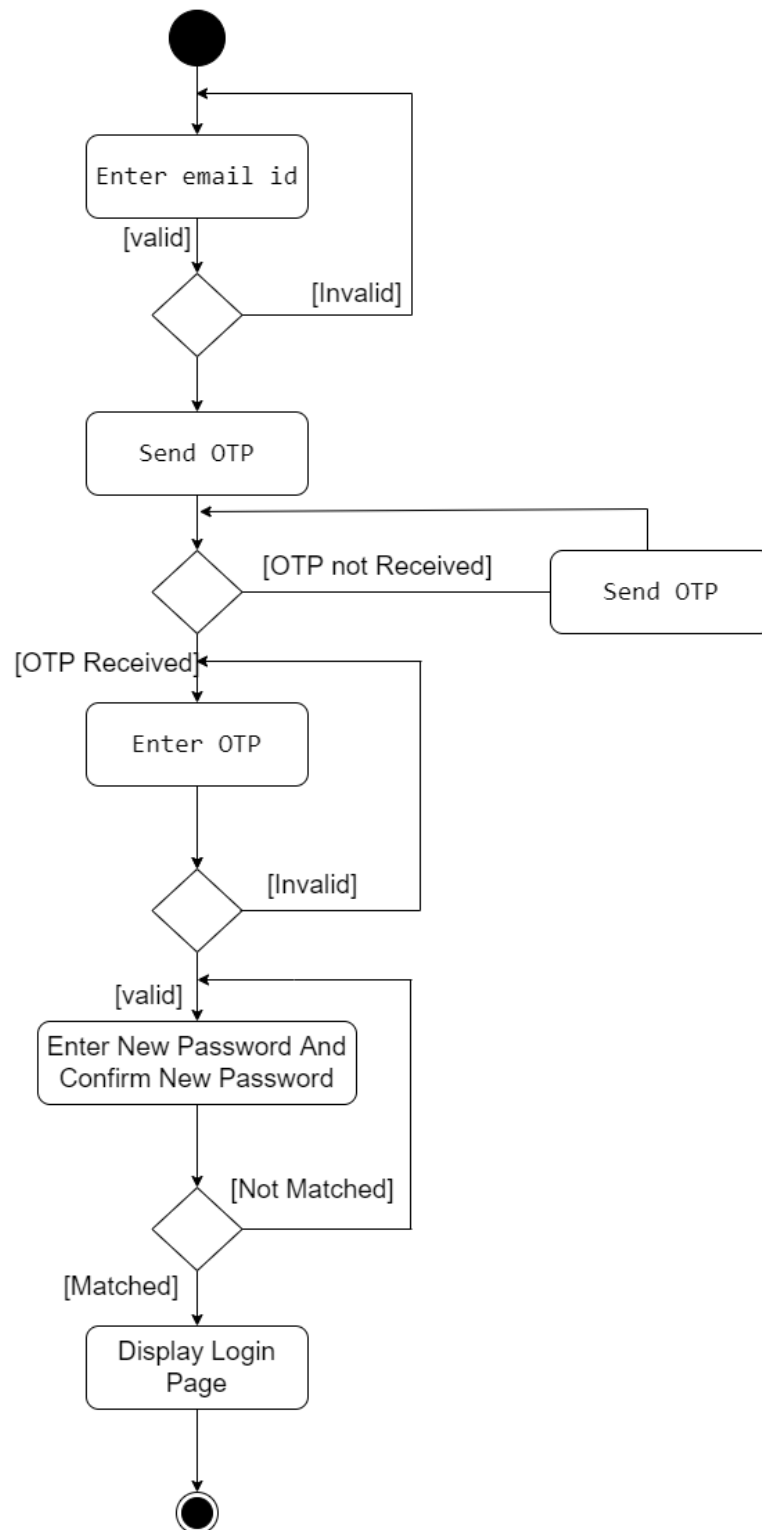


- **Furniture Management System Activity Diagram for Admin and Customer Login**

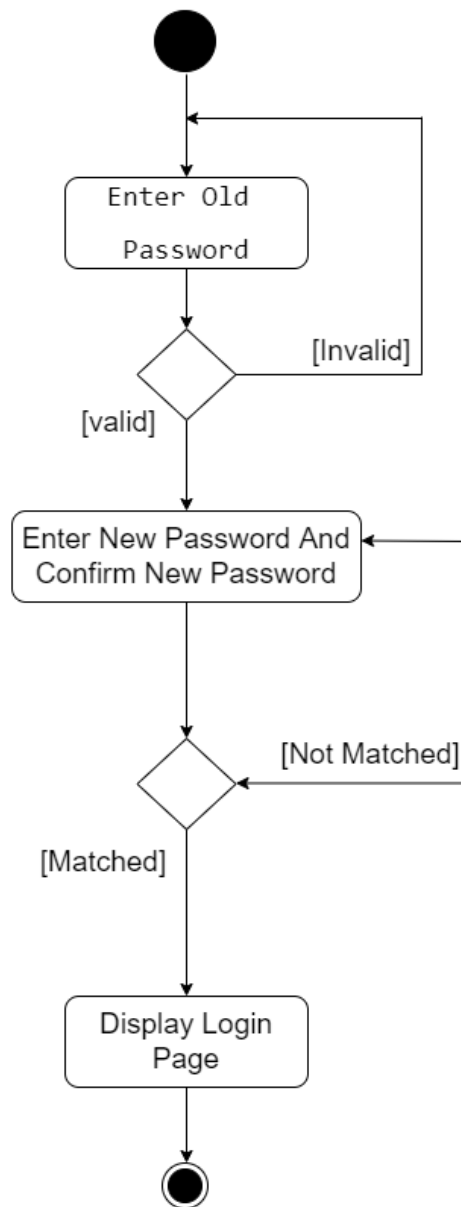




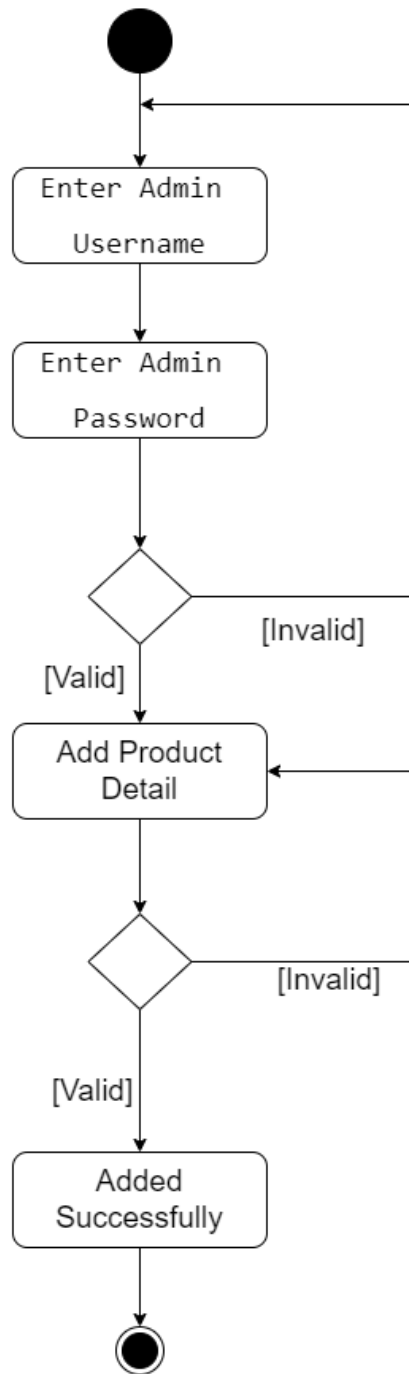
- **Furniture Management System Activity Diagram for Forgot Password**



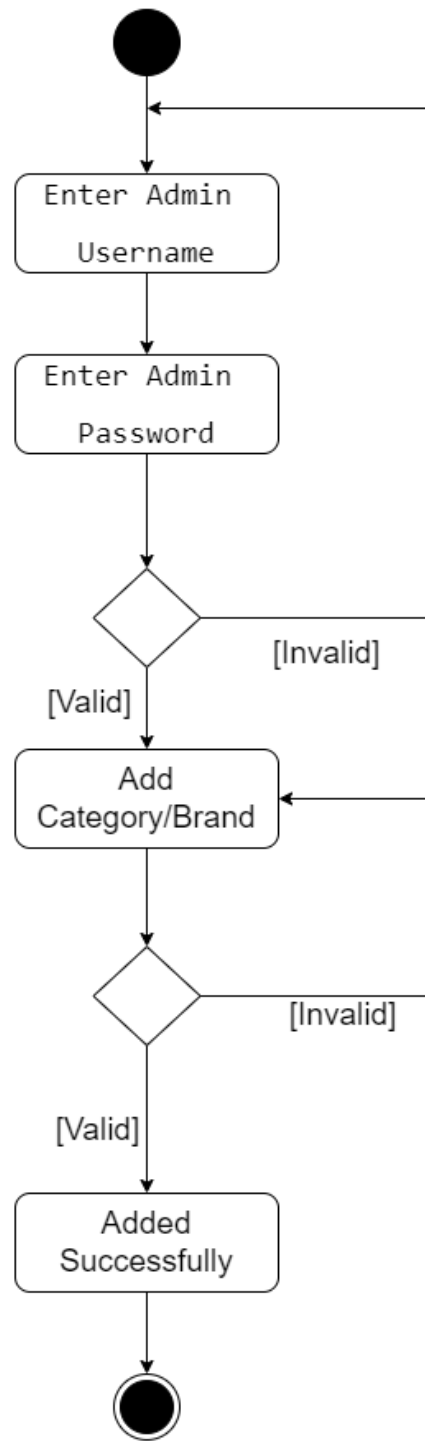
- **Furniture Management System Activity Diagram for Change Password**



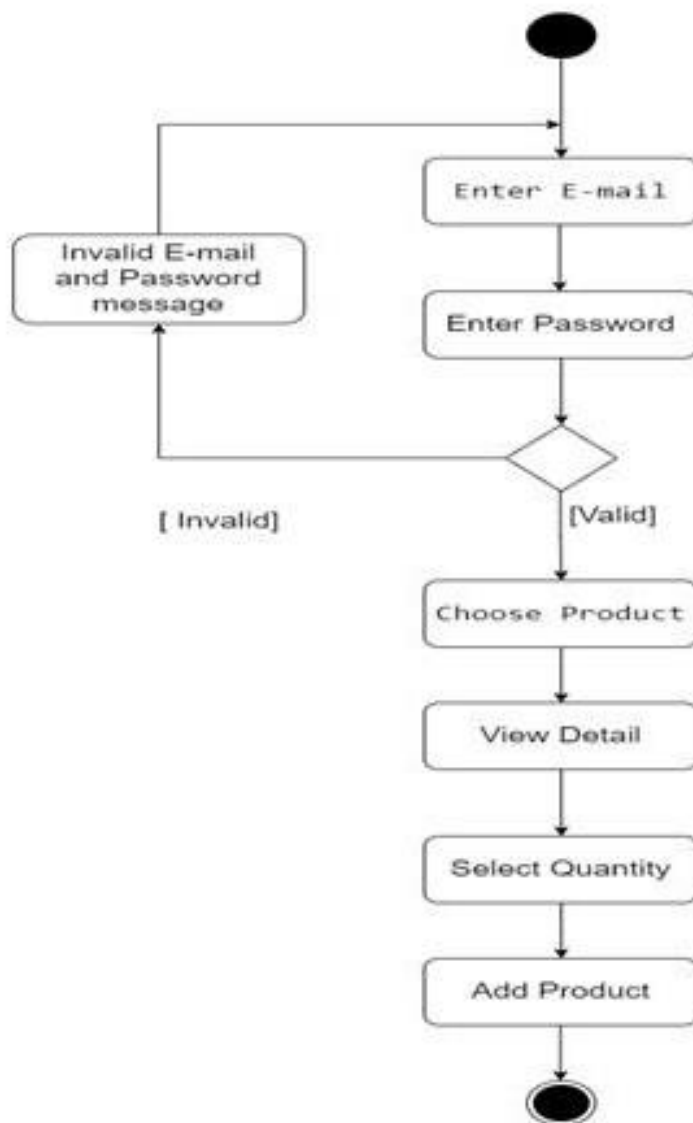
- **Furniture Management System Activity Diagram for Admin Add Product**



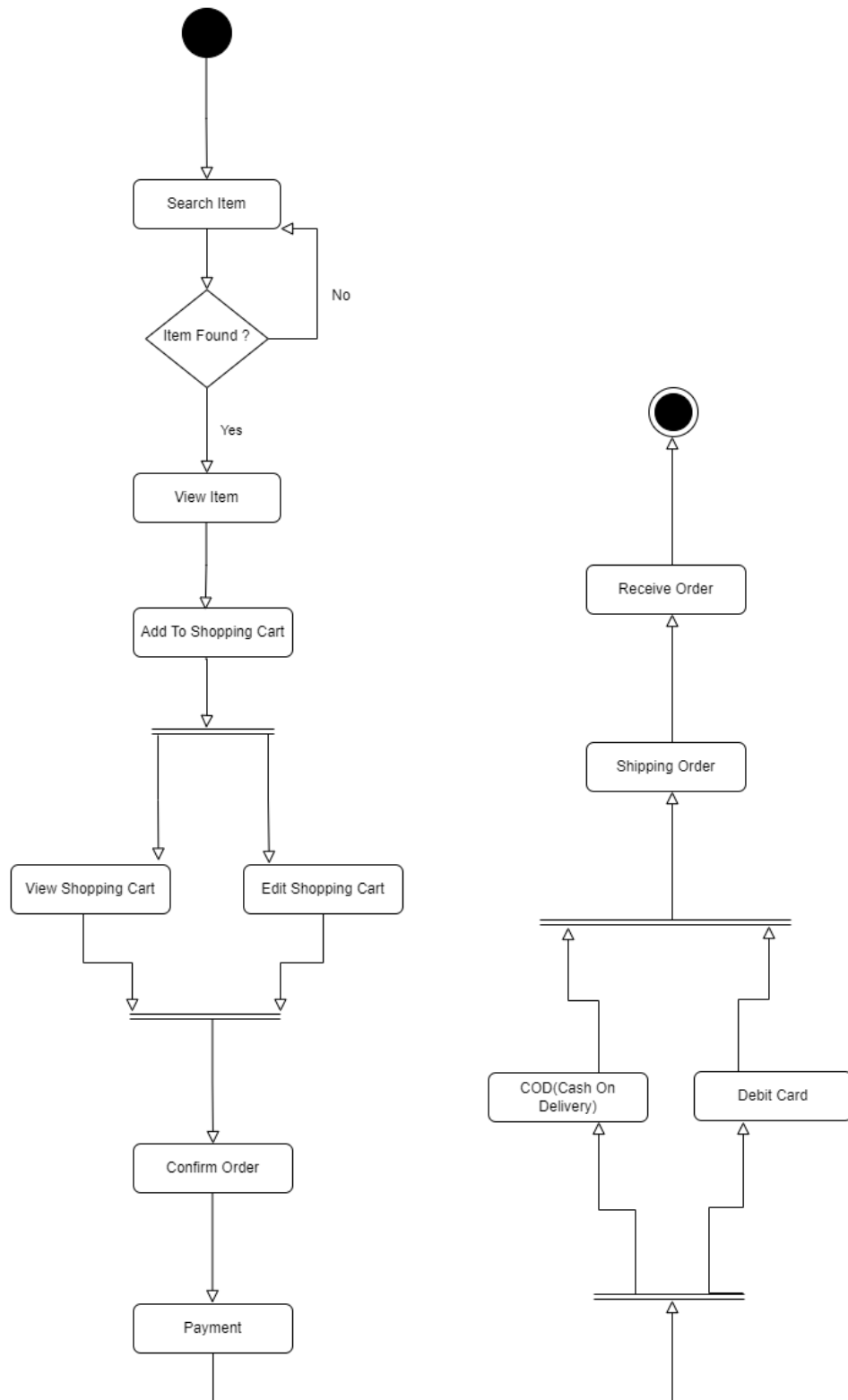
- **Furniture Management System Activity Diagram for Admin Add Category**



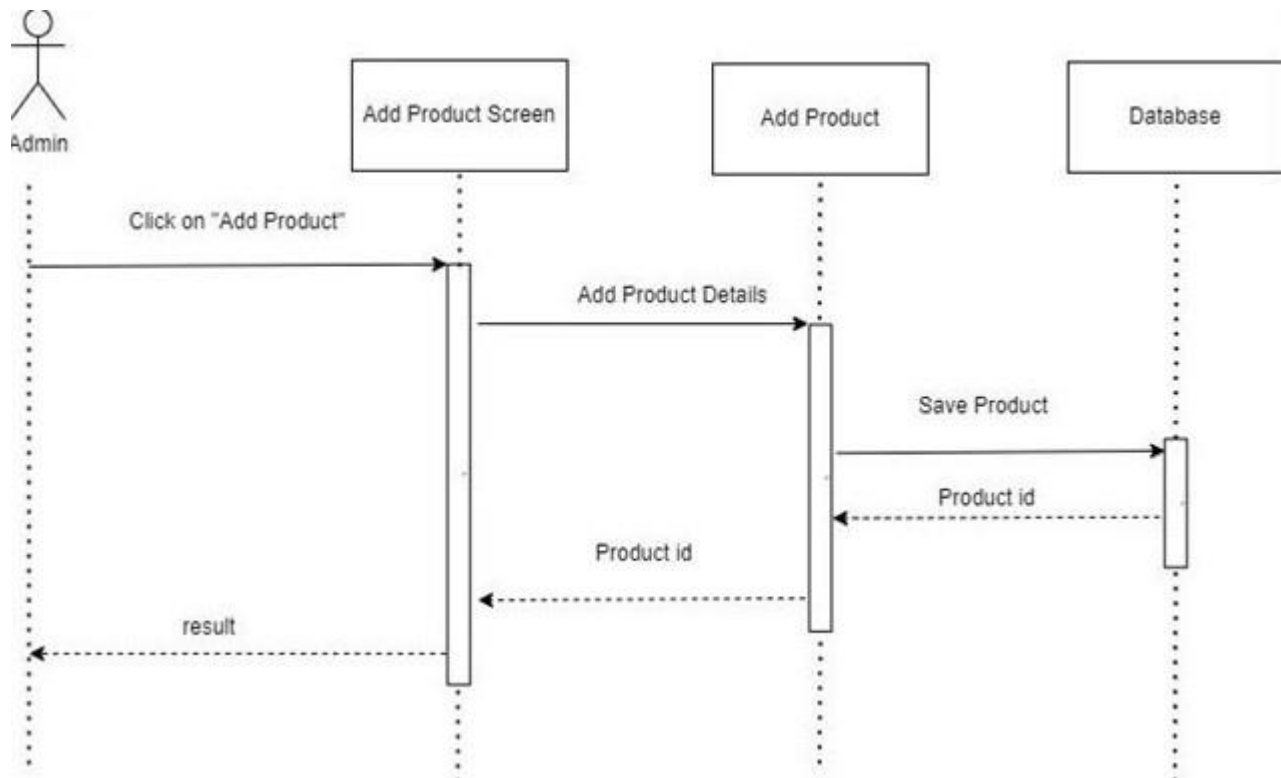
- **Furniture Management System Activity Diagram for User Add Cart**



- **Furniture Management System Activity Diagram for Manage Product**



### 4.3 Sequence Diagram for “adding a product”



# Chapter 5: System Design

## 5.1 Database Design

### 5.1.1 Database Schema

#### (1) Manage AdminUser:

- tblUser(userid[PK], emailid[unique], password)  
FD: id-> {emailid, password }

#### (2) Manage Product:

- tblProductType(id[PK], name)  
FD: id-> {name}
- tblProductCategory(id[PK], name, image, ProductTypeid[FK])  
FD: id-> {name, image, ProductTypeid}
- tblProduct(id[PK], name, description, price, quantity, ProductCategoryid[FK][tblProductCategory])  
FD: id-> {name, description, price, quantity, ProductCategoryid}
- tblProductImage(id[PK], image, Productid[FK][tblProduct])  
FD: id-> {image, Productid[FK]}

#### (3) Manage Customer:

- tblCustomer (id[PK], name, address, pincode, contactno, emailid, password)  
FD: id-> {name, address, pincode, contactno, emailid, password }

#### (4) Manage Cart:

- tblCart(id[PK], productid[FK][tblProduct], quantity, amount(Derived: quantity\*price), customerid[FK][tblCustomer])  
FD: id -> {productid[FK], quantity, amount(Derived: quantity\*price), customerid[FK] }



**(5)Manage Customer Order:**

- tblCustomerOrder(OrderNo[PK], productid[FK][tblProduct], userid[FK][tblUser] , quantity, totalamount, order\_datetime, delivery\_datetime, shipping\_address, pincode, status)  
FD: id -> { productid[FK], userid[FK],quantity, totalamount, order\_datetime, delivery\_datetime, shipping\_address, pincode, status }

**(6)Manage Payment:**

- tblPayment(id[PK], mode, OrderNo[FK][tblCustomerOrder],totalamount)  
FD: -> {mode, OrderNo[FK], totalamount }

**(7)Manage Contact:**

- tblContact(id[PK], name, email, subject, message, datetime)  
FD: -> { name, email, subject, message, datetime }

### 5.1.2 Data Dictionary:

#### (1) Manage AdminUser:

- tblUser :

| Sr. No. | Field Name | Data Type | Size | Constraints                    | Description                           |
|---------|------------|-----------|------|--------------------------------|---------------------------------------|
| 1       | userId     | Int       | -    | Primary Key,<br>Auto increment | Identifies Unique id<br>of customer.  |
| 2       | emialid    | Varchar   | 255  | Not Null,<br>Unique            | User Profile image                    |
| 3       | password   | Varchar   | 255  | Not Null                       | Specifies the name of<br>thecustomer. |

#### (2) Manage Product:

- tblProductType :

| Sr. No. | Field Name | Data Type | Size | Constraints                    | Description                              |
|---------|------------|-----------|------|--------------------------------|--|
| 1       | Id         | Int       | -    | Primary Key,<br>Auto increment | Identifies Unique id<br>of Product Type. |
| 2       | name       | Varchar   | 50   | Not null                       | Specifies the<br>Product Type.           |

- tblProductCategory:

| Sr. No. | Field Name | Data Type | Size | Constraints                    | Description  |
|---------|------------|-----------|------|--------------------------------|--|
| 1       | Id         | Int       | -    | Primary Key,<br>Auto increment | Identifies Unique id<br>of Product Category.                       |
| 2       | name       | Varchar   | 50   | Not null                       | Specifies name of<br>Product Category<br>like Sofa, Chair,<br>etc. |

|   |                |       |   |          |  |
|---|----------------|-------|---|----------|--|
| 3 | Image          | Image | - | Not Null | Specifies image in Category                      |
| 4 | ProductType id | Int   | - | Not Null | Specific Product Type like wooden,steel, plastic |

- tblProduct:

| Sr. No. | Field Name        | Data Type | Size | Constraints                 | Description                                     |
|---------|-------------------|-----------|------|-----------------------------|---|
| 1       | Id                | Int       | -    | Primary Key, Auto increment | Identifies Unique id of Product.                |
| 2       | name              | Varchar   | 50   | Not null,unique             | Specifies name of Product like Sofa, Chair,etc. |
| 3       | discription       | Varchar   | 255  | Not Null                    | Product Description                             |
| 4       | price             | Int       | -    | Not Null                    | Specifies the product price.                    |
| 5       | quantity          | Int       | -    | Not Null                    | Specifies the number of Product quantity.       |
| 6       | ProductCategoryid | Int       | -    | Foreign Key                 | Referenced from tblProductCategory (id).        |

- tblProductImage:

| Sr. No. | Field Name | Data Type | Size | Constraints                    | Description                                |
|---------|------------|-----------|------|--------------------------------|--|
| 1       | Id         | Int       | -    | Primary Key,<br>Auto increment | Identifies Unique id<br>of product image.  |
| 2       | Image      | Image     | 50   | Not null                       | Specifies image<br>from the image<br>path. |
| 3       | Productid  | Id        | -    | Foreign Key                    | Referenced<br>from<br>tblProduct (id).     |

### (3) Manage Customer:

- tblCustomer :

| Sr. No. | Field Name | Data Type | Size | Constraints                    | Description                                       |
|---------|------------|-----------|------|--------------------------------|---|
| 1       | id         | Int       | -    | Primary Key,<br>Auto increment | Identifies<br>Unique id of<br>User.               |
| 2       | name       | Varchar   | 50   | Not Null                       | Stores the Otp                                    |
| 3       | address    | Varchar   | 255  | Not Null                       | It specifies otp<br>expiry period                 |
| 4       | pincode    | Int       | -    | Not Null,Unique                | Specifies Date<br>and Time.                       |
| 5       | contactno  | Char      | 10   | Not Null,Unique                | Specifies<br>contact<br>number of<br>the Customer |
| 6       | Emailed    | Varchar   | 255  | Not Null,Unique                | Specifies<br>emailid of the<br>Customer.          |
| 7       | password   | Varchar   | 255  | Not Null                       | Password of<br>User                               |

#### (4) Manage Cart:

- tblcart:

| Sr. No. | Field Name | Data Type | Size | Constraints                    | Description                           |
|---------|------------|-----------|------|--------------------------------|---------------------------------------|
| 1       | Id         | Int       | -    | Primary Key,<br>Auto increment | Identifies Unique id<br>of cart.      |
| 2       | Productid  | Int       | -    | Foreign Key                    | Referenced from<br>tblProduct (id).   |
| 3       | quantity   | Int       | -    | Not Null                       | Specifies the<br>number of quantity.  |
| 4       | amount     | Int       | -    | Not Null                       | Specifies Purchase<br>Product amount. |
| 5       | customerid | Int       | -    | Foreign Key                    | Referenced from<br>tblCustomer (id).  |

### (5) Manage Customer Order:

- tblCustomerOrderMaster :

| Sr. No. | Field Name        | Data Type | Size | Constraints                 | Description                                      |
|---------|-------------------|-----------|------|-----------------------------|--|
| 1       | Order No          | Int       | -    | Primary Key, Auto increment | Identifies Unique number of customer order.      |
| 2       | Productid         | Int       | -    | Foreign key                 | Referenced from tblProduct (id).                 |
| 3       | Userid            | Int       | -    | Foreign key                 | Referenced from tblUser (id).                    |
| 3       | quantity          | Int       | -    | Not Null                    | Specifies the order date and time                |
| 4       | totalamount       | Int       | -    | Not Null                    | Specifies the delivery date and time.            |
| 5       | order_datetime    | Datetime  | 500  | Not Null                    | Specifies Shipping address of customer doorstep. |
| 6       | delivery_datetime | Datetime  | -    | Not Null                    | Unique pincode of Customer residential city.     |
| 7       | Shipping_address  | Varchar   | 100  | Not Null                    | Product Delivery Address                         |
| 8       | Pincode           | Int       |      | Not Null, Unique            | Unique pincode of Customer residential city.     |
| 9       | status            | Varchar   | 50   | Not Null                    | Status of the order product.                     |

**(6) Mange Payment :**

- tblpayment:

| Sr. No. | Field Name       | Data Type | Size | Constraints                    | Description                                  |
|---------|------------------|-----------|------|--------------------------------|--|
| 1       | id               | Int       | -    | Primary Key,<br>Auto increment | Identifies Unique id<br>of payment.          |
| 2       | mode             | Varchar   | 100  | Not Null                       | particular payment<br>mode                   |
| 3       | orederNo         | Int       | -    | Foreign Key                    | Referenced from<br>tblCustomerOrder<br>(id). |
| 4       | total_amou<br>nt | Int       | -    | Not Null                       | Total of Product<br>Price                    |



**(7) Contact:**

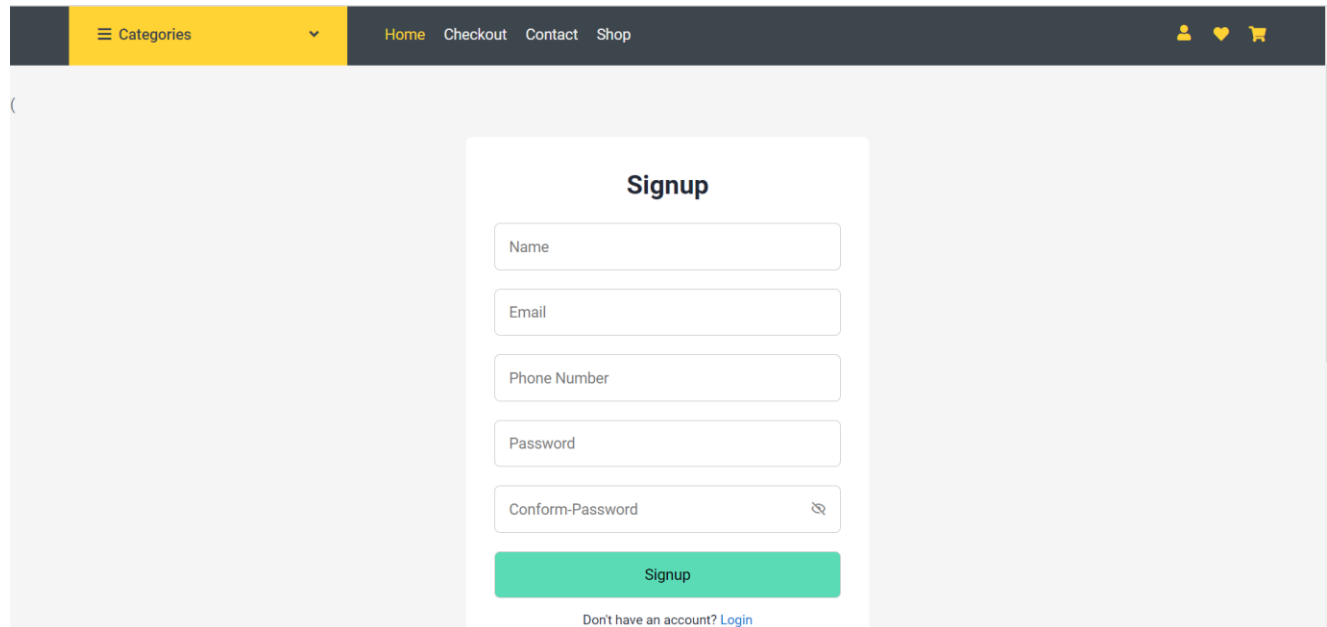
- tblecontact:

| Sr. No. | Field Name | Data Type | Size | Constraints                    | Description                         |
|---------|------------|-----------|------|--------------------------------|-------------------------------------|
| 1       | id         | Int       | -    | Primary Key,<br>Auto increment | Identifies Unique id<br>of Contact. |
| 2       | name       | Varchar   | 100  | Not Null                       | Name of Contact<br>Person           |
| 3       | email      | Varchar   | 255  | Not Null                       | Email of Contact<br>Person          |
| 4       | subject    | Varchar   | 100  | Not Null                       | For which subject<br>contacted      |
| 5       | message    | Varchar   | 300  | Not Null                       |                                     |
| 6       | datetime   | Datetime  | -    | Not Null                       | date of contact                     |

# Chapter 6 : System Implementation

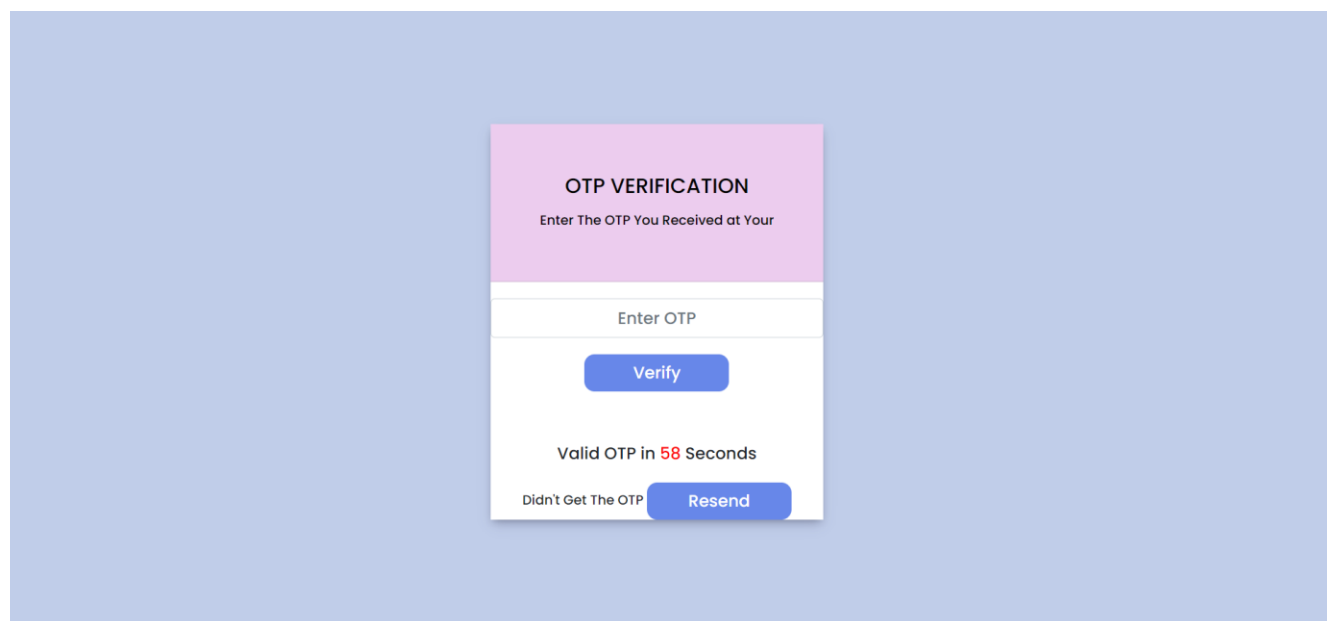
## 6.1 Screenshots

### 6.1.1 Registration



The screenshot shows a web application's registration page. At the top, there is a navigation bar with a yellow 'Categories' dropdown on the left and links for 'Home', 'Checkout', 'Contact', and 'Shop' on the right. To the far right of the navigation bar are icons for a user profile, a heart (wishlist), and a shopping cart. The main content area features a central white box titled 'Signup'. Inside this box, there are five input fields: 'Name', 'Email', 'Phone Number', 'Password', and 'Conform-Password' (with a toggle icon). Below these fields is a green 'Signup' button. At the bottom of the box, there is a link that says 'Don't have an account? Login'.

### 6.1.2 OTP



The screenshot shows an OTP verification modal or page. It has a light blue background. In the center is a white box with a pink header that says 'OTP VERIFICATION' and 'Enter The OTP You Received at Your'. Below the header is an input field labeled 'Enter OTP'. Underneath the input field is a blue 'Verify' button. Below the button, it says 'Valid OTP in 58 Seconds'. At the bottom, there is a link 'Didn't Get The OTP' and a blue 'Resend' button.

### 6.1.3 Login

**SMILE HOME** Search for products Customer Service +91 9313499384

Categories Home Checkout Contact Shop

### Login

Email

Password

[Forgot password?](#)

Login

Don't have an account? [Registration](#)

### 6.1.4 Profile Page

**SMILE HOME** Search for products Customer Service +91 9313499384

Categories Home Checkout Contact Shop

profile

Name Rahul

Email savaliyarahul813@gmail.com

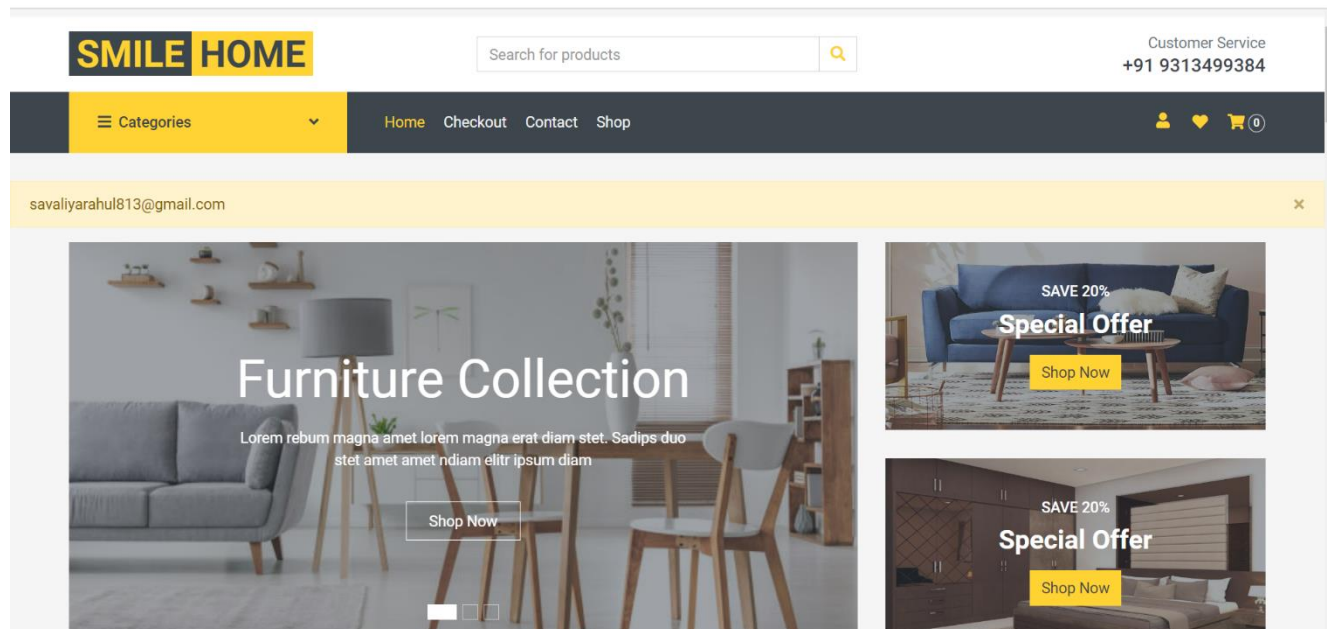
Phone 9087645789

Address c-55 hari om row house

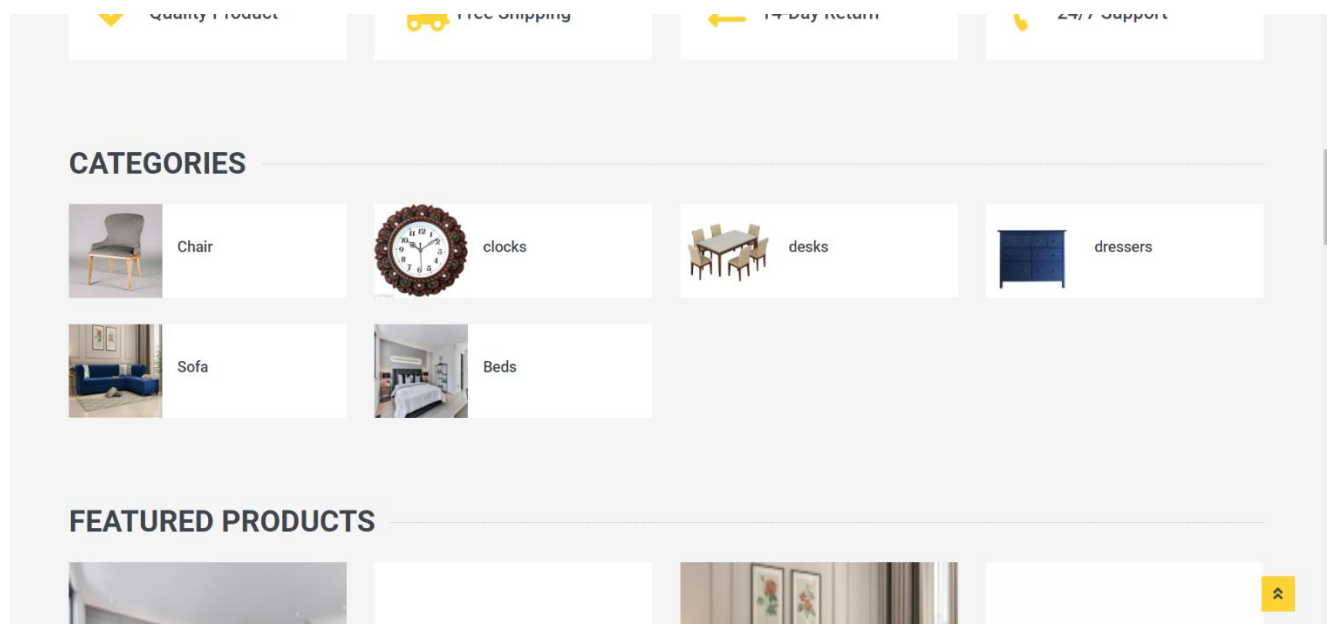
Pin Code 111111

ChangePassword Update Details

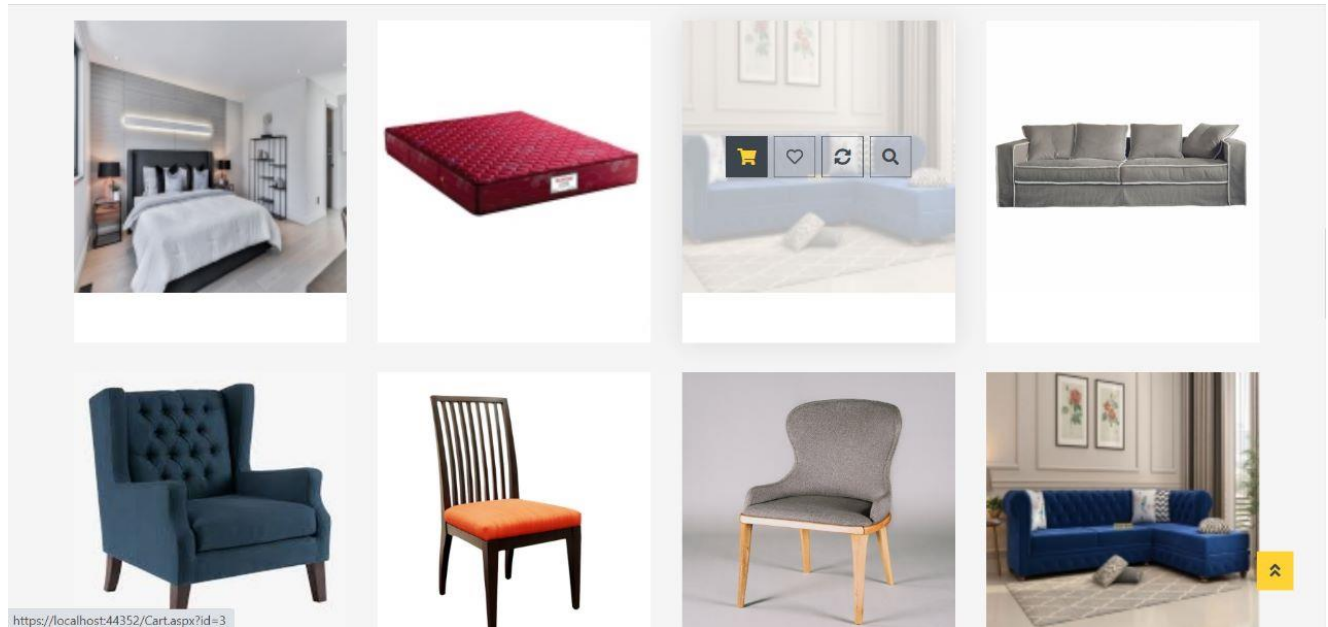
## 6.1.5 Home Page



## 6.1.6 Category

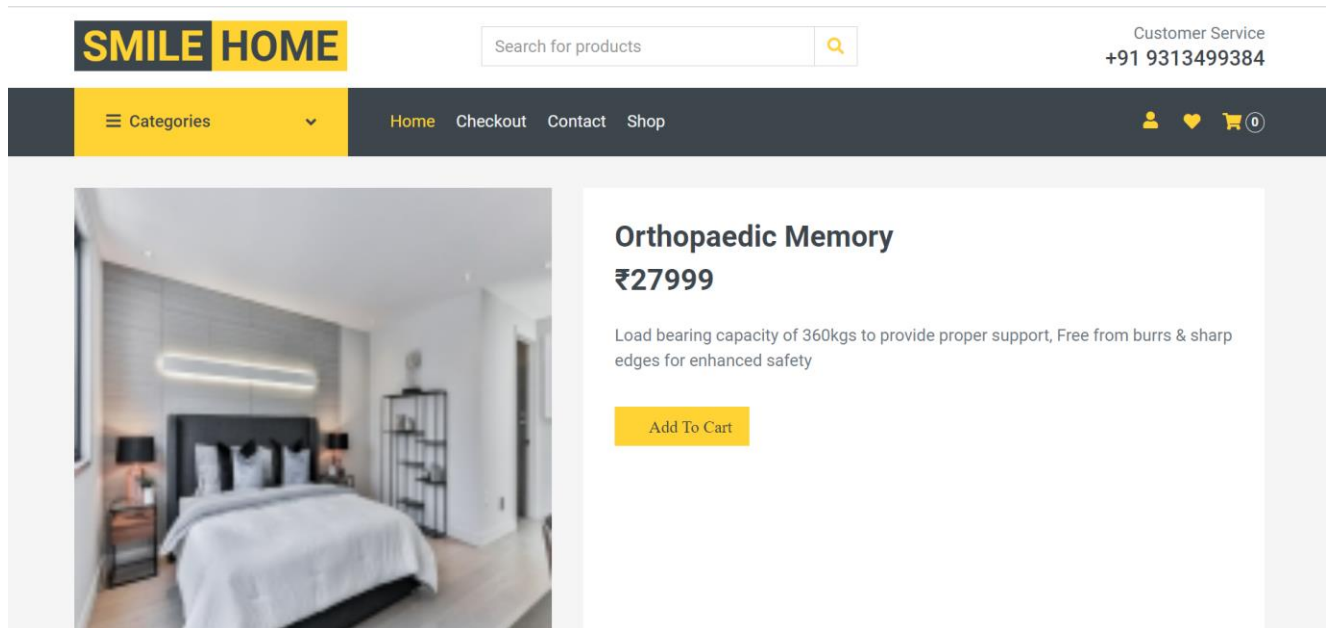


### 6.1.7 Product



<https://localhost:44352/Cart.aspx?id=3>

### 6.1.8 Product Details





## 6.1.9 Cart

**SMILE HOME**

Customer Service  
+91 9313499384

CategoriesHomeCheckoutContactShop

| Product Name       | Image   | Quantity | Total | Minus | Plus | Delete |
|--------------------|---|----------|-------|-------|------|--------|
| Orthopaedic Memory |  | 1        | 27999 | -     | +    | Delete |
| indian bed         |  | 1        | 25999 | -     | +    | Delete |

### CART SUMMARY

|          |         |
|----------|---------|
| Subtotal | 27999   |
| Total    | ₹ 27999 |

## 6.1.10 Chekout

### BILLING ADDRESS

|   |                                     |
|---|-------------------------------------|
| Address   | City                                |
| <input type="text" value="c-55 hari om row house"/> | <input type="text" value="Surat"/>  |
| State   | ZIP Code                            |
| <input type="text" value="Gujarat"/>                | <input type="text" value="394101"/> |

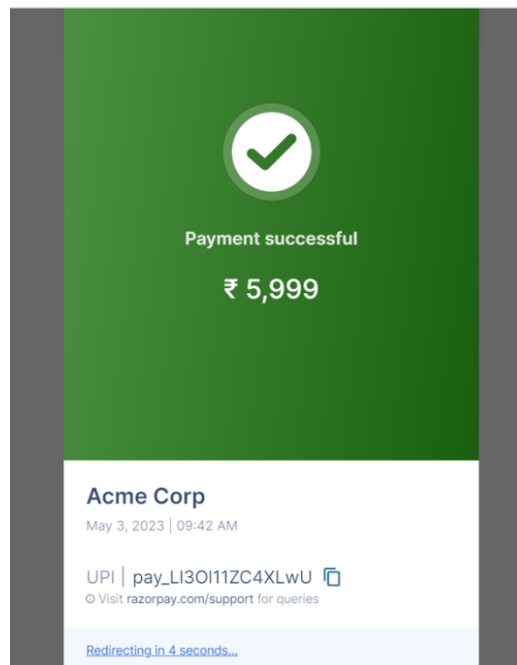
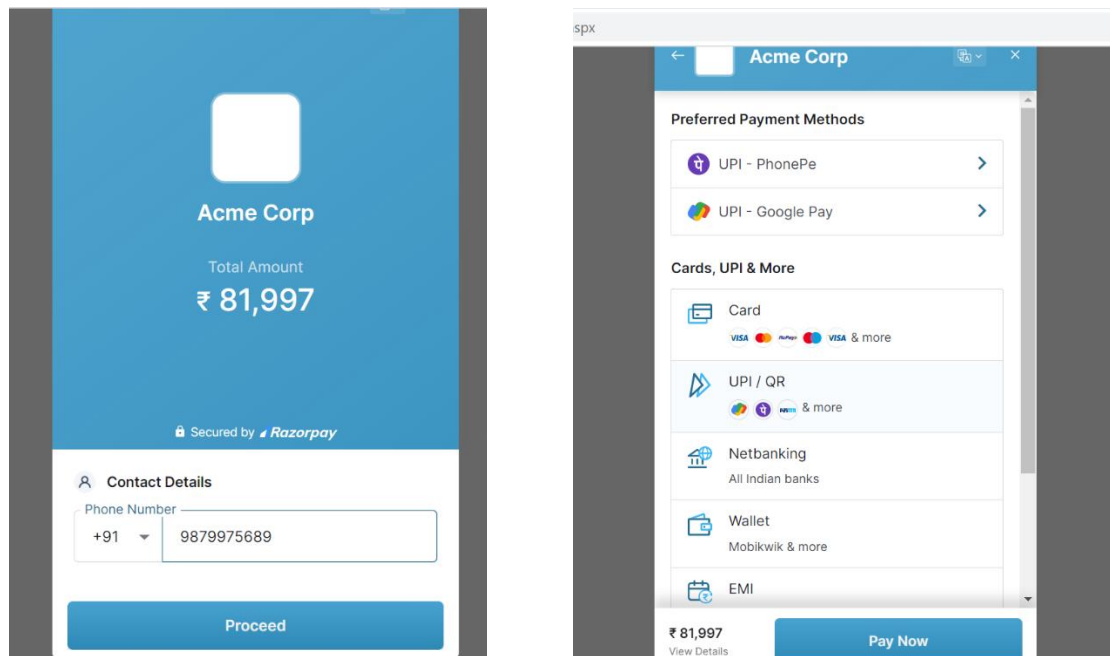
### ORDER TOTAL

|          |       |
|----------|-------|
| Products |       |
| Subtotal | 81997 |
| Total    | 81997 |

### PAYMENT

☐ Paypal  
☐ Direct Check  
☒ Bank Transfer

### 6.1.11 Payment process



### 6.1.12 Admin Login Page

## LOGIN

BUTTON

### 6.1.13 category Page

Dashboard

Add Category

View Category

Add Product

View Product







Orders

All Users

Logout

Search Category

search

| Product Name | cimage  | Delete                 | Edit                 |
|--------------|---|------------------------|----------------------|
| Chair        |  | <a href="#">Delete</a> | <a href="#">Edit</a> |
| clocks       |  | <a href="#">Delete</a> | <a href="#">Edit</a> |
| desks        |  | <a href="#">Delete</a> | <a href="#">Edit</a> |
| dressers     |  | <a href="#">Delete</a> | <a href="#">Edit</a> |
| Sofa         |  | <a href="#">Delete</a> | <a href="#">Edit</a> |
| Beds         |  | <a href="#">Delete</a> | <a href="#">Edit</a> |



## 6.1.14 Add Product Page

Dashboard  
Add Category  
View Category  
Add Product  
View Product  
Orders  
All Users  
Logout

### Add Products

Product Name

Product description

A chair is a type of seat, typically designed for one person and consisting of one or more legs, a flat or slightly angled seat and a back-rest. They may be made of wood,

Chair

Product image1

Choose Files Screenshot 2023-05-03 094654.png








Product Quantity

Product Price


Add Product


## 6.1.15 View Product Page


Dashboard  
Add Category  
View Category  
Add Product  
View Product  
Orders  
All Users  
Logout


| Product Name         | Discription  | pimage  | Price | Qty | Delete                 | Edit                 |
|----------------------|--|---|-------|-----|------------------------|----------------------|
| Orthopaedic Memory   | Load bearing capacity of 360kgs to provide proper support, Free from burrs & sharp edges for enhanced safety   |  | 27999 | 9   | <a href="#">Delete</a> | <a href="#">Edit</a> |
| indian bed           | Load bearing capacity of 360kgs to provide proper support, Free from burrs & sharp edges for enhanced safety indian bed smile home   |  | 25999 | 5   | <a href="#">Delete</a> | <a href="#">Edit</a> |
| sofa                 | The Indian rupee is the official currency in the Republic of India. The rupee is subdivided into 100 paise, though as of 2023, coins of denomination of 1 rupee are the lowest value in use whereas 2000 rupees is |  | 56999 | 12  | <a href="#">Delete</a> | <a href="#">Edit</a> |
| Indian Sofa come bed | The Indian rupee is the official currency in the Republic of India. The rupee is subdivided into 100 paise, though as of 2023, coins of denomination of 1 rupee are the lowest value in use whereas 2000 rupees is |  | 56999 | 7   | <a href="#">Delete</a> | <a href="#">Edit</a> |
| chair sofa           | Product Dimensions: Length (160cm), Width (206.7cm), Height (88.6cm) Ideal mattress size: 75*66 Humidity-resistant design to ensure strength throughout changing seasons   |  | 7909  | 6   | <a href="#">Delete</a> | <a href="#">Edit</a> |
| china dressers       | Comfortable 3+2 seater sofa set made with high quality fabric;Dimensions:- 3 Seater Sofa - Length: 185 cm (72.83 in); Width  |  | 5999  | 12  | <a href="#">Delete</a> | <a href="#">Edit</a> |
| Indian chair         | Comfortable 3+2 seater sofa set made with high quality fabric;Dimensions:- 3 Seater Sofa - Length: 185 cm (72.83 in); Width: 76 cm (29.92 in); Height: 76  |  | 59000 | 13  | <a href="#">Delete</a> | <a href="#">Edit</a> |


### 6.1.16 All User Page


 Dashboard


 Add Category


 View Category

 Add Product

 View Product

 Orders

 All Users

 Logout

https://localhost:44349/view\_user.aspx

search

| id | name    | phone      | email                       | Delete                 |
|----|---------|------------|-----------------------------|------------------------|
| 3  | Rahul   | 1234567890 | 20bmit086@gmail.com         | <a href="#">Delete</a> |
| 4  | romit   | 9313499384 | romitdobariya8@gmail.com    | <a href="#">Delete</a> |
| 5  | praveen | 1234567890 | 20bmit101@gmail.com         | <a href="#">Delete</a> |
| 6  | Rahul   | 9087645789 | savaliyarahul813@gmail.com  | <a href="#">Delete</a> |
| 7  | romit   | 9313499384 | romitdobariya5075@gmail.com | <a href="#">Delete</a> |
| 8  | romit   | 9537215410 | rahulsavaliya310@gmail.com  | <a href="#">Delete</a> |
| 9  | praveen | 1234567890 | praveenp8160@gmail.com      | <a href="#">Delete</a> |
| 10 | Rahul   | 1234567890 | 20bmit069@gmail.com         | <a href="#">Delete</a> |
| 11 | Romit   | 9016075033 | 20bmit061@gmail.com         | <a href="#">Delete</a> |

# Chapter 7: Testing

## 7.1 Test Case

- **Login**

| Test Case | Input                            | Description      | Actual output    | Expected Output  | Remarks   |
|-----------|----------------------------------|------------------|------------------|------------------|---|
| 1.        | Username=null                    | Missing Username | Error Message    | Error Message    | Null is not allowed                                     |
| 2.        | Password=null                    | Missing Password | Error Message    | Error Message    | Null is not allowed                                     |
| 3.        | Username=Invalid                 | Invalid Username | Invalid User     | Invalid User     | Username is not available or not matching with password |
| 4.        | Password=Invalid                 | Invalid Password | Invalid Password | Invalid Password | Username is not available or not matching with password |
| 5         | Username=Valid<br>Password=Valid | Valid User       | View System      | View System      | Username and password is proper                         |

## • Registration

| Test Case | Input               | Description            | Actual output | Expected Output |
|-----------|---------------------|------------------------|---------------|-----------------|
| 1.        | FirstName=""        | Enter FirstName        | Error Message | Error Message   |
| 2.        | LastName=""         | Enter LastName         | Error Message | Error Message   |
| 3.        | Email=""            | Enter Email            | Error Message | Error Message   |
| 4.        | PhoneNumber=""      | Enter Contact Number   | Error Message | Error Message   |
| 5.        | Password=""         | Enter Password         | Error Message | Error Message   |
| 6.        | Confirm Password="" | Enter Confirm Password | Error Message | Error Message   |

## • Manage Product(Admin)

| Test Case | Input                        | Description       | Actual output | Expected Output |
|-----------|------------------------------|-------------------|---------------|-----------------|
| 1.        | productName=""               | Enter productName | Error Message | Error Message   |
| 2.        | Total purchase stock (kg)="" | Enter Stock       | Error Message | Error Message   |
| 3.        | image=""                     | Enter image       | Error Message | Error Message   |
| 4.        | category =""                 | Enter Category    | Error Message | Error Message   |
| 5.        | Price=""                     | Enter price       | Error Message | Error Message   |

- **Forget password**

| Test Case | Input                   | Description      | Actual output   | Expected Output  |
|-----------|-------------------------|------------------|-----------------|------------------|
| 1.        | Email =""               | Enter user email | Error Message   | Error Message    |
| 2.        | Otp=""                  | Enter otp        | Error Message   | Error Message    |
| 3.        | Otp=invalid             | Enter otp        | Error Message   | Error Message    |
| 4.        | Otp=valid               | Enter otp        | Change password | Set new password |
| 5.        | Confirm new password="" | Enter password   | Error Message   | Error Message    |

- **Place Order(user)**

| Test Case | Input        | Description                             | Actual output | Expected Output |
|-----------|--------------|---|---------------|-----------------|
| 1.        | FirstName="" | Enter FirstName(change firstname)       | Error Message | Error Message   |
| 2.        | LastName=""  | Enter LastName(change last name)        | Error Message | Error Message   |
| 3.        | Address=""   | Enter address(change address)           | Error Message | Error Message   |
| 4.        | Area=""      | Enter area(chage area)                  | Error Message | Error Message   |
| 5.        | Pincode=""   | Enter pincode(change pincode)           | Error Message | Error Message   |
| 6.        | Phone=""     | Enter phone number(change phone number) | Error Message | Error Message   |

## Chapter 9

- **Future Enhancement**

1. Implementation of a rewards or loyalty program for customers
2. Implementation of a real-time chat feature for customer support
3. Addition of a recommendation engine to suggest products to customers based on their browsing and purchase history
4. Integration of social media functionality into the system

- **Conclusion**

- ✓ an e-commerce furniture management system is a crucial tool for businesses that sell furniture online. Such a system enables efficient management of online inventory, order processing, payment processing, delivery tracking, and customer service. By utilizing the power of technology, e-commerce furniture management systems can provide businesses with real-time data on sales, inventory levels, and customer behavior, allowing for better decision-making and improved customer experience. With the increasing popularity of online shopping, implementing an e-commerce furniture management system has become essential for businesses to remain competitive in the market. In summary, an e-commerce furniture management system can significantly enhance the effectiveness and profitability of furniture businesses operating in the online marketplace.

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