Link to Presentation video:

https://drive.google.com/file/d/1_TvhYpnH709q98_mZETDqJaZlnooaieC/view?usp=sharing

Layout pages for User:



Login page:

- Purpose: Authenticate users by verifying their username and password.
- Functionality:
 - o Inputs: Username and password.
 - o If credentials are valid, redirects to the home page.
 - o If invalid, displays an error message.

Signup Page

- **Purpose**: Allow new users to register.
- Functionality:
 - o Inputs: First name, last name, email, phone number, address, and password.
 - o Checks for unique email and phone number before registering the user.
- **Database Interaction**: Inserts new user details into the Users table.

Home Page

- **Purpose**: Display available products for purchase.
- Functionality:
 - o Grid layout to showcase product details (name, price, image).
 - o Add to cart button for each product.
 - o Navbar for navigation to other pages.
- **Database Interaction**: Fetches product details from the Products table.

Cart Page

- **Purpose**: Allow users to view and manage items in their cart.
- Functionality:
 - o Displays a list of products added to the cart.
 - o Shows the total price.
 - Option to place an order.
- Database Interaction:
 - o Fetches cart details for the logged-in user from the Orders table.
 - o Updates the Orders table upon order placement.

Order History Page

- **Purpose**: Display past orders placed by the user.
- Functionality:
 - o Shows order details such as product name, price, status, and timestamp.
- **Database Interaction**: Fetches order details for the logged-in user from the Orders table.

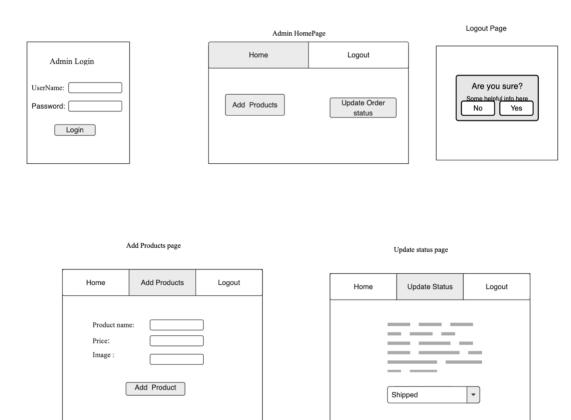
Profile Page

- **Purpose**: Allow users to view and update their profile.
- Functionality:
 - o Displays user details such as name, email, phone number, and address.
 - o Edit mode to update profile information.

• Database Interaction:

- o Fetches user details from the Users table.
- o Updates the Users table with new details upon save.

Layout pages for Admin:



Admin Login Page

- **Purpose:** Authenticate admins by verifying their username and password.
- Functionality:
 - o Inputs: Username and password.
 - o Redirects to the admin dashboard upon successful login.
- **Database Interaction**: Queries the Admins table to validate credentials.

Admin Dashboard

- **Purpose**: Central hub for admin activities.
- Functionality:

Provides navigation to add products and update order status pages.

Add Products Page

- **Purpose**: Allow admins to add new products.
- Functionality:
 - o Inputs: Product name, price, and image path.
 - o Adds the new product to the inventory.
- **Database Interaction**: Inserts new product details into the Products table.

Update Order Status Page

Purpose: Allow admins to view and update the status of orders.

Functionality:

- Displays a table of orders with details (order ID, user ID, product name, price, status, and timestamp).
- o Dropdown to update the status of each order.

Database Interaction:

- o Fetches order details from the Orders table.
- o Updates the Orders table with the new status.

Database Design

Tables and Attributes:

1.Users Table

Purpose: Store user details.

Columns:

- o UserId (Primary Key, INT, Auto Increment)
- o FirstName (VARCHAR(50))
- o LastName (VARCHAR(50))
- o Email (VARCHAR(100), UNIQUE)
- o PhoneNumber (VARCHAR(15), UNIQUE)
- o Address (VARCHAR(255))
- o Password (VARCHAR(50))

2.Admins Table

Purpose: Store admin credentials.

Columns:

- o AdminId (Primary Key, INT, Auto Increment)
- o Username (VARCHAR(50), UNIQUE)
- o Password (VARCHAR(50))

3. Products Table

Purpose: Store product details.

Columns:

- o ProductId (Primary Key, INT, Auto Increment)
- o Name (VARCHAR(100))
- o Price (DECIMAL(10, 2))
- o ImagePath (VARCHAR(255))

4.Orders Table

Purpose: Store order details.

Columns:

- o OrderId (Primary Key, INT, Auto Increment)
- UserId (Foreign Key -> Users.UserId)
- ProductId (Foreign Key -> Products.ProductId)
- o Status (ENUM: Pending, Shipped, Delivered)
- Timestamp (DATETIME)

5.Cart Table

Purpose: Temporarily store items added to the cart by users.

Columns:

- o CartId (Primary Key, INT, Auto Increment)
- UserId (Foreign Key -> Users.UserId)
- ProductId (Foreign Key -> Products.ProductId)
- o Quantity (INT, Default: 1)
- AddedTimestamp (DATETIME)

Plan for Simultaneous Users:

Multiple users can be logged in simultaneously. Upon successful login, a session variable (uid) is set for each user. This session variable determines the content loaded on subsequent pages based on the logged-in user's identity.

Timetable for Development:

Feature	Estimated Time
Login/Signup Pages	2 Hour
Home Page (User)	2 Hour
Profile Management	1 Hour
Order History	1 Hour
Cart Page	3 Hour
Admin Dashboard	2 Hour
Add Products Page	2 Hour
Update Order Status Page	2 Hour
Database Design and Setup	1 Hour