Clinet Side technologies

Supervised by

Eng. Nasr Kasem

Developed by

Atef Rehan

Introduction

We are thrilled to present to you this detailed documentation that offers a comprehensive exploration of the captivating E-Commerce website developed with educational objectives in mind. With a primary focus on furniture sales, this website serves as a testament to the seamless integration of technology and commerce, providing users with a delightful online shopping experience. Within these pages, we will unravel the website's architectural framework, shedding light on its intuitive features and functionalities that foster user engagement and satisfaction. By immersing yourself in this documentation, you will gain valuable insights into the meticulous design choices and innovative solutions that make this E-Commerce platform a standout in the digital landscape. So, buckle up and embark on this enlightening journey into the world of furniture retail in the digital age.

Features

User Authentication

- **Registration:**

  - Collects user information (name, email, password, phone number).

  - Validates data, ensuring a unique email address.

- **Login:**

  - Allows users to log in using their email and password.

Home Page

- **Landing Page:**

  - Welcomes users and provides a brief overview of the website.

- **Product Collection:**

  - Displays products with relevant information.

  - Includes an "Add to Cart" button for each product.

Gallery Page

- Displays a set of images related to a selected product from the Product Collection.

Cart Page

- Shows items added to the cart.

- Calculates and displays the total price.

- Includes a "Checkout" button.

Checkout

- Sends a confirmation message via email to the user to confirm their purchase.

Dashboard (Admin)

- Exclusively for admin users.

- Allows admins to Add, Modify, and Delete products.

File Structure

- **Features:**
    - *User Authentication:*
        - *Presentation Layer:* UI for registration and login.
        - *Data Layer:* Scripts handling user-related functionalities.
    - *Home Page:*
        - *Landing Page:* UI for the landing page.
        - *Product Collection:* UI and scripts for displaying and handling products.
    - *Gallery Page:*
        - UI for displaying a product's gallery.
    - *Cart Page:*
        - UI for the cart and checkout functionalities.
    - *Dashboard (Admin):*
        - UI and scripts for admin-exclusive functionalities.
- **Image:** Contains images used in the project.
- **Utils:**
    - *Helper:*
        - *Functions:* Contains functions for validation and UI creation.
        - *Constants:* Holds constant variables used throughout the project.
    - *Manager:*
        - Local storage manager scripts for specific data types.

Conclusion

In conclusion, this project offers a comprehensive and seamless E-Commerce experience, encompassing a wide range of features and functionalities. From user authentication to product browsing, cart management, and an admin dashboard for product administration, every aspect has been carefully designed to ensure a smooth and enjoyable user journey. The project's organized file structure and efficient local storage management contribute to a modular and streamlined implementation, allowing for easy maintenance and scalability. By combining innovative design choices with robust functionality, this E-Commerce website sets a precedent for creating engaging and user-centric online shopping platforms.