

Ecommerce web application

Introduction

Fashion Fuse is an ecommerce web application designed to provide users with a convenient and user-friendly platform for browsing and purchasing fashion products. The application includes features for both users and administrators, allowing for seamless management of products and orders.

Features

User Signup and Login: New users can create an account by providing their name, email address, and password. They can securely log in using their email address and password, with JWT token included for security.

Product Browsing: Users can easily navigate through different product categories such as men, women, kids, and accessories. Information about each product, including images, description, and price, is displayed.

Cart Management and Order Placement: Users can add products to their cart with a single click. A summary of the items in the cart is displayed for easy reference. Users can then confirm their order and make a purchase through the application.

Admin Section: Administrators have access to a separate section where they can manage user data and add products to the application. They can add new products, update existing product information, and remove products that are no longer available.

Architecture

Frontend: The frontend of the application is built using HTML, CSS, and JavaScript.

The frontend of the application, built using HTML, CSS, and JavaScript, is enhanced with the use of the CSS library Bootstrap. Bootstrap provides pre-designed components and styles that help in creating a responsive and visually appealing user interface.

Backend: The backend is powered by PHP, which handles user authentication, product management, and order processing.

On the backend, PHP is used to handle user authentication, product management, and order processing. PHP scripts interact with the MySQL database to store and retrieve user data, product information, and order details. PHP also integrates with the front end to dynamically generate content and manage user sessions.

Database: The application uses MySQL database to store user data, product information, and order details.

The MySQL database is used to store all the necessary data for the ecommerce platform. It is structured to efficiently store and manage data, ensuring fast and reliable access to information. The database schema includes tables for storing user accounts, product details, and order information, with relationships defined between them to maintain data integrity.

Users

User Registration

To register as a user, click on the "Signup" button located in the top navigation bar. This will redirect you to the registration page where you can fill out the registration form with your details. Required information typically includes your name, email address, mobile number and a password.

User Login

Once registered, you can log in using your email address and password. Click on the "Login" button in the top navigation bar to access the login page. Enter your credentials and click "Login" to authenticate. Upon successful login, you will be redirected to the products.

Product Browsing

On the homepage, you can browse through the different categories of products available. Each category is usually displayed with a representative image and a brief description. Click on a category to view the products it contains.

Adding to Cart

To add a product to your cart, click on the product's image or name to view its details. On the product details page, you will find an "Add to Cart" button. Clicking this button will add the product to your cart. You can then continue browsing or proceed to view your cart.

Viewing Cart

To view the items in your cart, click on the "Cart" icon located in the top navigation bar. This will take you to your cart page where you can see a list of all the items you have added.

Placing an Order

In the cart page, review the items in your cart to ensure everything is correct. Once you are satisfied with your selection, click on the "confirm order" button to proceed with placing your order. Here you can remove items from your cart if you don't want them.

Admin

User Management

Administrators can view a list of all user accounts registered on the platform.

Product Management

Administrators could add new products to the application by providing details such as product name, description, price, and image. They can also update existing product information, including price changes or descriptions, and remove products that are no longer available.

Order Management

The order management feature enables administrators to view and manage orders placed by users.