Shopper - Full-Stack MERN E-commerce Website

Introduction

Shopper is a full-stack MERN-based e-commerce platform designed for clothing. It allows users to browse products, add items to the cart, and securely checkout. This project demonstrates modern web development practices with a focus on creating a fully functional, scalable online store using the MERN (MongoDB, Express.js, React, Node.js) stack.

Features

- User Authentication and Authorization (Sign In, Sign Up)

- Role-based access (Admin and User)

- Browse products by categories

- Search functionality with filters

- Shopping Cart Management

- Secure Payment Gateway Integration (Stripe or PayPal)

- Order management (View order history, track order status)

- Admin panel for product and order management

- Responsive Design (Mobile-first approach)

Tech Stack

Frontend:

- React.js: For building interactive user interfaces.

- React Router: For navigating between pages.

- Redux: For state management.

- Bootstrap: For responsive design.

Backend:

- Node.js: For server-side JavaScript execution.

- Express.js: For handling server requests and routes.

- MongoDB: As the NoSQL database for storing user and product information.

- Mongoose: For object data modeling (ODM) to manage MongoDB.

Others:

- JWT: For user authentication.

- Multer: For file uploads (product images).