

Project Documentation: Role-Based E-Commerce WebApp

Overview

This application simulates an e-commerce platform with three distinct roles: Admin, Seller, and Buyer. Each role has specific functionalities and permissions.

Roles and Responsibilities

1. Admin

1 - Full access to manage products across the platform.

2 - Can perform Create, Read, Update, Delete (CRUD) operations on all products.

2. Seller Workflow

- ***Create Store:***

I. The seller will first request to create their store.

II. This request will be sent to the admin for approval.

- ***Admin Approval:***

III. The admin will review and approve the store request.

IV. Once approved, the seller will see an option on their profile to manage their store.

- ***Manage Store:***

V. After approval, the seller can add products to their store.

VI. The seller can also update, delete, and view their products (CRUD operations).

- ***Seller Profile:***

VII. The seller will have a profile page where they can see:

VIII. Stock Levels: Information on how many products are in stock.

IX. Analytics: Insights into product performance, sales data, and other metrics.

3. Buyer

- *Access to browse products from all sellers.*

- *Can add products to the cart, checkout, and make payments.*

- *Can view the history of purchased products.*

Cart Management: *Buyers can add products to the cart, update quantities, and remove items before checkout.*

Checkout & Payment: *Buyers can complete purchases through a Stripe payment gateway.*

Order History: *Buyers can view a list of products they have purchased.*