

User Manual for E-commerce Platform

1. Overview of the Website

Purpose of the Website:

The e-commerce platform allows users to browse and purchase products, manage their accounts, and leave reviews.

Target Audience:

Individuals looking for an easy-to-use online shopping experience.

Primary User Actions:

- Browse the catalog for products.
- Add products to the shopping cart.
- Complete the purchase process through secure checkout.
- Log in to manage their profile, view order history, or update account details.

2. Illustrated Functionalities

How to Browse the Website

1. Open the website in your browser.
2. Use the navigation bar at the top to explore categories (e.g., "Electronics," "Clothing").
3. Click on a product to view its details, including price, description, and photos.

How to Add Items to the Cart

1. On the product page, select the desired quantity.
2. Click the "Add to Cart" button.
3. To view your cart, click on the cart icon in the top-right corner.

How to Log In and Manage Your Profile

1. Click "Login" in the top menu.
2. Enter your email and password.
3. Once logged in, click on your profile icon to view or edit your information.

3. Content Modification and Photo Management

Adding or Editing Product Content

1. Log in to the admin panel at admin.yourwebsite.com.
2. Navigate to the "Products" section.

3. Click "Add New Product" or select an existing product to edit.
4. Fill in the fields (e.g., name, description, price).
5. Click "Save" to apply changes.

Uploading or Replacing Photos

1. In the "Products" section, click on a product.
2. In the "Photos" tab, upload a new photo or delete an existing one.
3. Click "Save" to confirm the update.

4. Technical Documentation

4.1 Website Structure

- **Frontend:** The user interface is built using React.js, enabling a responsive and dynamic experience.
- **Backend:** Powered by Node.js with an Express framework to handle server-side operations.
- **Database:** MongoDB stores user and product data.

4.2 Using Key Functionalities (Technical Perspective)

- **Login System:**
 - User credentials are securely hashed and stored in MongoDB.
 - Login authentication is handled via JSON Web Tokens (JWT).
- **Content Storage:**
 - Product data is stored as documents in MongoDB collections.
 - Images are hosted externally on Cloudinary.

4.3 Admin Panel Access Information

- URL: `admin.yourwebsite.com`
- Username: admin
- Password: password123

5. Technical Stack

- **Frontend:** React.js (v18.0)
- **Backend:** Node.js (v16.0)
- **Database:** MongoDB (v5.0)
- **Hosting:** Deployed on AWS EC2 with Nginx as the reverse proxy.

6. Extensions and External Libraries

- **Stripe API:** For payment processing.
- **Cloudinary:** For image storage and delivery.
- **React Router:** For navigation management.
- **Axios:** For handling API requests.

7. Online Documentation

The technical documentation is automatically generated using **JSDoc**.

How to Access the Documentation:

1. Clone the project repository from GitHub.
2. Navigate to the `/documentation` folder.
3. Open `index.html` in your browser to view the complete documentation.