Documentation

**Project Structure**

# Root-Level Files

• index.html: Main landing page displaying featured products.

• login.html: Authentication page for logging in users.

• register.html: Registration page for new user sign-up.

# /css/

• style.css: Custom CSS for global layout, typography, spacing, and responsive behavior. Works in tandem with Bootstrap.

# /js/

• main.js: Loads reusable components (navbar, footer) and controls shared frontend logic.

• auth.js: Manages login and registration, validates credentials, and handles user sessions via localStorage.

• cart.js: Controls shopping cart behavior including adding/removing items and calculating totals.

• checkout.js: Handles form validation and simulates order placement.

• dashboard-customer.js: Displays order history and account controls for customers.

• dashboard-seller.js: Enables sellers to manage products and view sales analytics.

• dashboard-admin.js: Allows admins to manage users, approve listings, and moderate the platform.

• utils.js: Shared utility functions (e.g., loadComponent, getUser, logout).

# /data/

• products.json: Contains static product entries (id, name, image, price, etc.).

• users.json: Stores predefined user credentials and roles.

• orders.json: Maintains mock order records placed during checkout.

# /pages/

• catalog.html: Product listing interface with search and filtering capabilities.

• product.html: Single product detail view retrieved using a query parameter.

• cart.html: Displays all items in the cart and allows for cart modifications.

• checkout.html: Provides a form for entering payment and shipping details.

• dashboard-customer.html: Personalized interface for customers to view and manage orders.

• dashboard-seller.html: Seller's control panel for managing inventory and tracking performance.

• dashboard-admin.html: Admin access to user moderation, content review, and settings.

• not-found.html: 404 fallback page for invalid routes.

# /assets/

• images/: Hosts all product-related images.

• icons/: Contains interface icons and optional role-based graphics.

# /components/

• navbar.html: A dynamic navigation bar rendered across all pages.

• footer.html: Standardized footer for consistent branding.

• product-card.html: Optional snippet used for rendering individual product cards.

# /charts/

• sales.js: Utilizes Chart.js (or equivalent) to generate sales and performance charts in the seller dashboard.