**CST-PROJECT Documentation**

**1. Overview**

**CST-PROJECT** is a web and backend system for managing users, products, and orders with role-based access, CRUD operations, responsive UI, and secure data handling for Admin, Seller, and Customer roles.

**1. Pages Documentation**

**1.1 Home Page (index.html)**

**Overview:**  
Displays general information about the platform, highlighting key features and navigation to other pages.

**HTML Structure:**

* Responsive Navbar with links to Home, Products, About, Contact, and Cart pages.
* Hero section with welcome banner and call-to-action.
* Featured products section showcasing popular items.
* Footer with logo, description, and social media links.

**Features:**

* Responsive design compatible with desktops and mobile devices.
* Quick access to main sections and products.
* Visually appealing layout with images and banners.

**Possible Enhancements:**

* Add carousel for featured products.
* Integrate dynamic product loading from the backend.
* Implement animated hero banners.

**1.2 Registration Page (register.html)**

**Overview:**  
Enables new users to register by providing personal information, selecting gender, and choosing a favorite color.

**HTML Structure:**

* Input fields for Name and Age.
* Gender selection using interactive image buttons.
* Favorite color selection dropdown.
* Register button redirects to a personalized welcome page.

**Features:**

* Interactive gender selection enhances UX.
* Personalized greeting based on user input.
* Input validation to prevent incorrect submissions.

**Possible Enhancements:**

* Add multi-language support.
* Save registration data directly to backend database.
* Implement CAPTCHA for security.

**1.3 Login Page (login.html)**

**Overview:**  
Handles user authentication and redirects users based on their role.

**HTML Structure:**

* Navbar with role-specific links.
* Login form with Username, Password, and Role selection.
* Validation messages for incorrect login attempts.

**Features:**

* Role-based redirection to Admin, Seller, or Customer dashboards.
* Input validation and error messages.
* Secure password handling.

**Possible Enhancements:**

* OAuth login integration (Google, Facebook).
* “Forgot Password” and password reset functionality.
* Two-factor authentication.

**1.4 Dashboard Pages**

**1.4.1 Admin Dashboard (admin.html)**

**Overview:**  
Admin dashboard provides full control over users, orders, and system analytics.

**HTML Structure:**

* Sidebar navigation for Users, Orders, Products.
* Statistic cards for total users, orders, and revenue.
* Tables for detailed user and order management.
* Footer section with copyright and social links.

**Features:**

* Complete CRUD operations for user and product management.
* Reporting charts for data visualization.
* Fully responsive layout for all devices.

**Possible Enhancements:**

* Real-time updates and notifications.
* Export data to CSV or PDF.
* Dashboard customization options.

**1.4.2 Seller Dashboard (seller.html)**

**Overview:**  
Seller dashboard allows managing products, tracking sales, and processing orders.

**HTML Structure:**

* Sidebar with product and order management links.
* Statistic cards for total products, total sales, and active orders.
* Charts visualizing sales and inventory data.

**Features:**

* Add, edit, and delete products.
* View and process customer orders.
* Display charts for sales analysis.

**Possible Enhancements:**

* Interactive product analytics.
* Real-time order notifications.
* Integration with payment gateways.

**1.4.3 Customer Dashboard (dashboard.html)**

**Overview:**  
Customer dashboard shows personal profile, order history, and recommended products.

**HTML Structure:**

* Profile section with user info.
* Orders table with status tracking.
* Recommended products section.

**Features:**

* View and track orders.
* Edit profile information.
* Personalized product recommendations.

**Possible Enhancements:**

* Wishlist functionality.
* Real-time order tracking.
* Customer feedback and rating system.

Support, Returns, Shipping, Terms, Warranty, FAQ, About, Contact – These pages provide additional information and assistance to users regarding policies, services, and company details.

**2. Features Summary**

* Role-based authentication (Admin, Seller, Customer)
* User management with CRUD operations
* Product management with inventory control
* Order management and tracking
* Reporting dashboards with visual charts
* 30-Day Return Policy with detailed instructions
* Fully responsive design for mobile and desktop

**3. Possible Enhancements**

* Real-time updates and notifications
* Interactive animations and UI improvements
* Export reports and data to CSV/PDF
* Multi-language support
* Backend integration with live database and analytics