**TECHORA**

**1. Overview**

**TECHORE** is a comprehensive web and backend system designed to manage users, products, and orders with a fully implemented role-based access control for Admin, Seller, and Customer roles. It provides:

* CRUD operations (Create, Read, Update, Delete) for all system entities.
* Responsive UI to ensure smooth usage across devices.
* Secure data handling with validations and structured storage.
* Dashboards for each role (Admin, Seller, Customer) with personalized views.
* Order management workflow from placing orders by customers, to processing by sellers, and monitoring by admin.
* Scalability in design to allow adding new modules and features in the future.
* User-friendly experience with clear navigation and real-time updates.

**2.Project Structure**

**TECHHORA/**

**├── index.html # Homepage**

**├── assets/**

**│ ├── css/**

**│ │ └── main.css # Main stylesheet**

**│ ├── js/**

**│ │ ├── main.js # Core functionality**

**│ │ ├── auth.js # Authentication system**

**│ │ ├── cart.js # Shopping cart logic**

**│ │ ├── catalog.js # Product catalog**

**│ │ ├── cart-page.js # Cart page functionality**

**│ │ ├── login.js # Login page logic**

**│ │ └── register.js # Registration logic**

**│ └── images/ # Product images**

**├── pages/**

**│ ├── catalog.html # Product catalog page**

**│ ├── cart.html # Shopping cart page**

**│ ├── login.html # Login page**

**│ ├── register.html # Registration page**

**│ ├── product.html # Individual product page**

**│ ├── checkout.html # Checkout process**

**│ ├── about.html # About page**

**│ ├── contact.html # Contact page**

**│ └── dashboard/ # Dashboard pages**

**│ ├── customer.html # Customer dashboard**

**│ ├── seller.html # Seller dashboard**

**│ └── admin.html # Admin panel**

**└── README.md # Project documentation**

**3. Pages Documentation**

**3.1 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 API.
* Implement animated hero banners.

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

**Overview:**  
The registration page allows new users to create an account by filling in personal details, choosing their account type (Customer or Seller), and agreeing to the terms of service.  
It supports both normal customers and sellers (with extra fields for sellers like store name).

**HTML Structure:**

* Personal Info: Full Name, Email.
* Passwords: Password (strength + toggle), Confirm Password.
* Contact Info: Phone, Account Type (Customer / Seller).
* Address: Address field.
* Seller Only: Store Name.
* Agreements: Terms (mandatory), Newsletter (optional).
* Actions: Create Account button + Login link.

**Features:**

* Password strength indicator to guide users.
* Toggle password visibility for easier input.
* Role-based registration (Customer or Seller).
* Seller fields appear dynamically only when "Seller" is selected.
* Input validation for required fields.
* Responsive design with Bootstrap 5.
* Terms and Privacy Policy agreement enforced before registration.

**Possible Enhancements:**

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

**3.3 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.

**3.4 Dashboard Pages**

**3.4.1 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.

**3.4.2 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.

**3.4.3 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.

**4. 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

**5. 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

**6. Resources**

* GitHub Repo :https://github.com/AzmyAhmedBasuony/CST-PROJECT.git
* Documentation : https://mailchimp.com/developer/marketing/docs/e-commerce/

**Team Members:**

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