**🧾 Problem Statement: Full eCommerce Web Application Using HTML, CSS, and Bootstrap**

**📌 Objective:**

To design and build a **fully responsive eCommerce website interface** using **HTML5**, **CSS3**, and **Bootstrap 5**. The application should simulate a real online shopping platform and include key features such as product listings, shopping cart UI, user authentication (login/signup), and responsive navigation.

**🛍️ Project Overview:**

You have been hired by a fictional retail brand called **"ShopEase"** to develop the front-end interface of their new eCommerce website. The client wants a clean, mobile-friendly, and visually appealing website built entirely using **HTML, CSS, and Bootstrap**, with no backend or JavaScript (optional enhancements allowed). The focus is on **layout design, UI/UX principles, responsiveness, and use of Bootstrap components**.

**🔧 Functional Requirements:**

**1. Homepage:**

* Website logo and navigation bar (Bootstrap Navbar)
* Hero/banner section promoting deals or categories
* Featured products section using cards or grids
* Footer with social media and contact links

**2. Product Listing Page (Shop Page):**

* Grid of products with image, name, price, and “Add to Cart” button
* Category filters (sidebar or dropdown)
* Responsive layout using Bootstrap grid system

**3. Product Detail Page:**

* Large image of the product
* Product title, price, description, and availability
* Quantity selector and “Add to Cart” button

**4. Shopping Cart Page:**

* List of added products with quantity and price
* Total price summary
* “Continue Shopping” and “Proceed to Checkout” buttons

**5. User Authentication:**

* Login Page: email, password fields, link to Signup
* Signup Page: name, email, password fields, confirm password
* Both forms must be styled with Bootstrap and responsive

**6. Contact Us Page (Optional):**

* Contact form (name, email, message)
* Company address and map placeholder

**🎨 Design Requirements:**

* Use **Bootstrap 5** for layout, spacing, typography, and responsiveness
* Consistent color palette and fonts across all pages
* Forms styled with Bootstrap classes
* Use cards, buttons, modals, and navbars from Bootstrap
* Website must be mobile-friendly and tablet-compatible

**📁 Folder Structure Example:**

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│

├── index.html ← Homepage

├── products.html ← Product listing

├── product-detail.html ← Single product view

├── cart.html ← Shopping cart

├── login.html ← Login form

├── signup.html ← Signup form

├── contact.html ← (Optional)

├── css/

│ └── style.css ← Custom styles

├── images/

│ └── (product and banner images)

**📈 Evaluation Criteria:**

| **Criteria** | **Weight** |
| --- | --- |
| HTML Structure & Semantics | 20% |
| Use of Bootstrap Components | 25% |
| Responsiveness | 20% |
| Visual Design & Branding | 15% |
| Navigation & Page Linkage | 10% |
| Code Cleanliness & Comments | 10% |

**🧠 Bonus Features (Optional):**

* Use of Bootstrap modals for cart preview
* Accordion for FAQs
* Carousel in the homepage banner
* Ratings/reviews section on product pages
* Sticky navbar or back-to-top button

**🧩 Tools and Frameworks Allowed:**

* HTML5
* CSS3 (custom styling)
* Bootstrap 5 (via CDN or locally)
* Google Fonts or Font Awesome (optional)

**📝 Deliverables:**

* Complete HTML files for all pages
* style.css with any custom styling
* Images folder with assets
* Project zipped or shared via GitHub repository
* Optional: README with screenshots and brief documentation