**📌 Project Title:**

**Responsive eCommerce Website for a Local Retail Business**

**🧩 Overview:**

In today’s digital era, small and medium-sized retail businesses are striving to expand their customer base by going online. However, many lack the technical expertise and resources to build a digital presence. This project aims to simulate an eCommerce website that empowers a local retail business to showcase its products, simulate shopping functionalities, and provide users with an intuitive and responsive browsing experience — all using only **HTML, CSS, JavaScript, and Bootstrap**.

This project does not involve backend development. Instead, it focuses on creating a **fully functional frontend prototype** of an eCommerce platform with interactive UI components and simulated functionalities.

**🎯 Objectives:**

* To design and develop a visually appealing, responsive eCommerce website frontend.
* To allow users to:
  + Browse a catalog of products
  + View individual product details
  + Add products to a cart
  + View cart contents
  + Simulate a checkout process with dummy inputs
* To implement all interactions using vanilla JavaScript and Bootstrap components.
* To provide a real-world UI experience, even without backend integration.

**🧱 Scope of Work:**

**📄 Pages to Include:**

1. **Home Page:**
   * Navigation bar with links to other pages
   * Hero section with promotional banner
   * Featured products
   * Footer with basic info and social links
2. **Product Listing Page:**
   * Category filter (e.g., clothing, electronics, books)
   * Grid layout using Bootstrap cards
   * Responsive design for various screen sizes
3. **Product Detail Page:**
   * Product image carousel (optional)
   * Title, price, description, and reviews (static)
   * “Add to Cart” button
   * Option to select quantity
4. **Shopping Cart Page:**
   * List of items added to cart
   * Quantity controls and remove buttons
   * Display subtotal and total price
   * “Proceed to Checkout” button
5. **Checkout Page:**
   * Form fields for dummy shipping and payment info
   * Form validation using JavaScript
   * Order confirmation message on form submission
6. **Contact Us Page:**
   * Static contact information
   * Contact form with client-side validation

**🛠️ Technologies to Use:**

| **Feature** | **Technology** |
| --- | --- |
| Page Structure | HTML5 |
| Styling & Layout | CSS3, Bootstrap 5 |
| Responsiveness | Bootstrap Grid & Flexbox |
| Interactivity | JavaScript (Vanilla) |
| Cart Storage | JavaScript (localStorage or in-memory) |
| Form Validation | JavaScript |
| Icons | Bootstrap Icons / Font Awesome |

**📋 Functional Requirements:**

1. **Navigation:**
   * All pages should be connected via a responsive navbar.
   * Active page indication.
2. **Cart Functionality:**
   * Clicking “Add to Cart” stores item in cart.
   * Cart page dynamically updates as items are added or removed.
   * Item quantities can be updated.
   * Total price updates automatically.
3. **Checkout Simulation:**
   * Form inputs for name, address, card info (no real processing).
   * Simple client-side validation (e.g., empty fields, format checks).
   * "Order placed" message on valid form submission.
4. **Responsiveness:**
   * All pages must work well on desktops, tablets, and smartphones.
   * Bootstrap grid system and media queries should be used.
5. **Aesthetic Consistency:**
   * Consistent color palette, fonts, button styles, and spacing.
   * Clean, modern design with mobile-first principles.

**🚫 Limitations & Exclusions:**

* No database or backend server.
* No real-time inventory or user login system.
* No real payment processing (simulation only).
* No use of frontend frameworks like React, Angular, or Vue.

**✅ Deliverables:**

* Complete set of HTML, CSS, JS files
* Fully functional static website with responsive design
* Code organized in folders (/css, /js, /images, etc.)
* A README.md file explaining how the project works
* Optional: Screenshots or demo video of the website

**📈 Evaluation Criteria:**

| **Criteria** | **Description** |
| --- | --- |
| UI/UX Design | Aesthetics, layout, color use, accessibility |
| Code Quality | Clean code, comments, modularity |
| Functionality | Cart system, navigation, validation |
| Responsiveness | Mobile, tablet, and desktop support |
| Creativity | Uniqueness in product display or UI elements |