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| **Lab-2 1.** | **Design and develop a responsive Online Bookstore website using HTML and**  Bootstrap (with minor CSS & JavaScript for interactivity).  **Homepage**   * Display website name “Online Bookstore” at the center. * Responsive Navbar with logo, navigation links, and search bar. * Carousel (Banner/Promotion) for showcasing offers or featured books. * Jumbotron/Highlight Section for special sale or featured book. * Sections with different background colors: New Arrivals, Best Sellers, Featured Books. |
| **Code:** | <!DOCTYPE html>  <html lang="en">  <head>  <meta charset="UTF-8">  <meta name="viewport" content="width=device-width, initial-scale=1">  <title>Online Bookstore</title>  <link href="css/bootstrap.css" rel="stylesheet" />  <script src="js/bootstrap.bundle.js"></script>  <style>  .carousel-caption {  background-color: rgba(0,0,0,0.5);  border-radius: 10px;  padding: 1rem;  }  .category-btn {  font-size: 1.1rem;  font-weight: bold;  }  </style>  </head>  <body>  <!-- Navbar -->  <nav class="navbar navbar-expand-lg navbar-dark bg-dark">  <div class="container-fluid">  <!-- Logo -->  <a class="navbar-brand" href="#">  <img src="img/logo1.png" alt="Logo" width="40" height="40">  </a>  <!-- Title -->  <a class="navbar-brand mx-auto fs-3">Online Book Basket</a>    <!-- Toggle button for mobile -->  <button class="navbar-toggler" type="button" data-bs-toggle="collapse" data-bs-target="#navbarNav">  <span class="navbar-toggler-icon"></span>  </button>    <!-- Navbar Links + Search -->  <div class="collapse navbar-collapse" id="navbarNav">  <ul class="navbar-nav me-auto ms-3">  <li class="nav-item"><a class="nav-link active" href="#">Home</a></li>  <li class="nav-item"><a class="nav-link" href="about.html">About</a></li>  <li class="nav-item"><a class="nav-link" href="contact.html">Contact</a></li>  </ul>  <form class="d-flex" id="searchForm">  <input class="form-control me-2" type="search" placeholder="Search books" id="searchInput">  <button class="btn btn-outline-light" type="submit">Search</button>  </form>  </div>  </div>  </nav>  <!-- Carousel -->  <div id="bookCarousel" class="carousel slide" data-bs-ride="carousel">  <div class="carousel-inner">  <div class="carousel-item active">  <img src="img/p1.png" class="d-block w-100 " style="height: 500px;" alt="Banner 1">  <div class="carousel-caption d-none d-md-block">  <h5>Big Sale on Best Sellers</h5>  <p>Get up to 50% off on popular titles.</p>  </div>  </div>  <div class="carousel-item">  <img src="img/p2.png" class="d-block w-100 " style="height: 500px;" alt="Banner 2">  <div class="carousel-caption d-none d-md-block">  <h5>New Arrivals</h5>  <p>Check out the latest releases in our collection.</p>  </div>  </div>  <div class="carousel-item">  <img src="img/p3.png" class="d-block w-100 " style="height: 500px;" alt="Banner 3">  <div class="carousel-caption d-none d-md-block">  <h5>Featured Books</h5>  <p>Handpicked books recommended by our experts.</p>  </div>  </div>  </div>  <button class="carousel-control-prev" type="button" data-bs-target="#bookCarousel" data-bs-slide="prev">  <span class="carousel-control-prev-icon"></span>  </button>  <button class="carousel-control-next" type="button" data-bs-target="#bookCarousel" data-bs-slide="next">  <span class="carousel-control-next-icon"></span>  </button>  </div>  <!-- Jumbotron / Highlight Section -->  <div class="p-5 mb-4 bg-light rounded-3 text-center">  <div class="container py-5">  <h1 class="display-5 fw-bold">Special Deal of the Month</h1>  <p class="fs-4">Get "Atomic Habits" at 40% off for a limited time!</p>  <button class="btn btn-primary btn-lg">Shop Now</button>  </div>  </div>  <!-- Categories -->  <div class="container mt-4" >  <h2 class="text-center mb-4">Categories</h2>  <div class="row g-3 text-center">  <div class="col-6 col-md-3">  <a href="novel.html" class="btn btn-outline-primary w-100 p-4 category-btn">Novels</a>  </div>  <div class="col-6 col-md-3">  <a href="children.html" class="btn btn-outline-success w-100 p-4 category-btn">Children</a>  </div>  <div class="col-6 col-md-3">  <a href="biography.html" class="btn btn-outline-warning w-100 p-4 category-btn">Biography</a>  </div>  <div class="col-6 col-md-3">  <a href="miracle.html" class="btn btn-outline-danger w-100 p-4 category-btn">Miracle</a>  </div>  </div>  </div>  <!-- New Arrivals Section -->  <div class="container-fluid py-5" style="background-color: #e1e9f1;">  <h2 class="text-center mb-4">New Arrivals</h2>  <div class="row g-4 px-4">  <div class="col-md-4">  <div class="card h-100 shadow-sm book-card">  <div class="card-body " style="background-color: rgb(225, 195, 240);">  <h5 class="card-title">The Midnight Library</h5>  <p class="card-text">A novel about life, regrets, and second chances.</p>  </div>  </div>  </div>  <div class="col-md-4">  <div class="card h-100 shadow-sm book-card">  <div class="card-body" style="background-color: rgb(198, 195, 240);">  <h5 class="card-title">Atomic Habits</h5>  <p class="card-text">A guide on building good habits and breaking bad ones.</p>  </div>  </div>  </div>  <div class="col-md-4">  <div class="card h-100 shadow-sm book-card">  <div class="card-body " style="background-color: rgb(232, 241, 204);">  <h5 class="card-title">The Silent Patient</h5>  <p class="card-text">A psychological thriller with a shocking twist.</p>  </div>  </div>  </div>  </div>  </div>  <!-- Best Sellers Section -->  <div class="container-fluid py-5" style="background-color: #e1e9f1;">  <h2 class="text-center mb-4">Best Sellers</h2>  <div class="row g-4 px-4">  <div class="col-md-4">  <div class="card h-100 shadow-sm book-card">  <div class="card-body " style="background-color: rgb(225, 195, 240);" >  <h5 class="card-title">Harry Potter Series</h5>  <p class="card-text">An epic fantasy loved across generations.</p>  </div>  </div>  </div>  <div class="col-md-4">  <div class="card h-100 shadow-sm book-card">  <div class="card-body" style="background-color: rgb(198, 195, 240);">  <h5 class="card-title">Rich Dad Poor Dad</h5>  <p class="card-text">Financial wisdom for everyday life.</p>  </div>  </div>  </div>  <div class="col-md-4">  <div class="card h-100 shadow-sm book-card">  <div class="card-body " style="background-color: rgb(232, 241, 204);">  <h5 class="card-title">The Alchemist</h5>  <p class="card-text">A journey of following your dreams.</p>  </div>  </div>  </div>  </div>  </div>  <!-- Featured Books Section -->  <div class="container-fluid py-5" style="background-color: #e1e9f1;">  <h2 class="text-center mb-4">Featured Books</h2>  <div class="row g-4 px-4">  <div class="col-md-4">  <div class="card h-100 shadow-sm book-card">  <div class="card-body" style="background-color: rgb(248, 210, 242);">  <h5 class="card-title">Think Like a Monk</h5>  <p class="card-text">Practical wisdom for everyday life.</p>  </div>  </div>  </div>  <div class="col-md-4">  <div class="card h-100 shadow-sm book-card">  <div class="card-body" style="background-color: rgb(203, 206, 245);">  <h5 class="card-title">Ikigai</h5>  <p class="card-text">Discover the Japanese secret to a long and happy life.</p>  </div>  </div>  </div>  <div class="col-md-4">  <div class="card h-100 shadow-sm book-card">  <div class="card-body" style="background-color: rgb(220, 231, 206);">  <h5 class="card-title">Sapiens</h5>  <p class="card-text">A brief history of humankind.</p>  </div>  </div>  </div>  </div>  </div>  <!-- Footer -->  <footer class="bg-dark text-white text-center py-3">  © 2025 Online Bookstore. All rights reserved.  </footer>  <!-- Search Script -->  <script>  document.getElementById("searchForm").addEventListener("submit", function(e) {  e.preventDefault();  let input = document.getElementById("searchInput").value.toLowerCase();  let books = document.querySelectorAll(".book-card");  books.forEach(book => {  let title = book.querySelector(".card-title").innerText.toLowerCase();  let desc = book.querySelector(".card-text").innerText.toLowerCase();  if (title.includes(input) || desc.includes(input)) {  book.style.display = "block";  } else {  book.style.display = "none";  }  });  });  </script>  </body>  </html> |
| **Output:** |  |
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| **2.** | **Book Categories & Listings**   * 4-Column Layout to display book categories. * Book Preview Cards: image, title, author, price, rating, and “Buy Now” button. * Responsive Book Cover Images with rounded corners. * Table Layout for listing books with author, description, and price. * Pagination for navigating book listings. |
| **Code:** | **Novel.html**  <!DOCTYPE html>  <html lang="en">  <head>  <meta charset="UTF-8">  <meta name="viewport" content="width=device-width, initial-scale=1.0">  <title>Novels - Online Bookstore</title>  <link rel="stylesheet" href="css/bootstrap.css">  <script src="js/bootstrap.bundle.js"></script>  </head>  <body class="bg-light py-5">  <div class="container">  <h2 class="mb-4 text-center h-50" style="background-color: brown;">Novels Collection</h2>  <div class="table-responsive">  <table class="table table-bordered table-hover align-middle">  <thead class="table-dark">  <tr>  <th>Series No</th>  <th>Book Name</th>  <th>Author</th>  <th>Price</th>  <th>Details</th>  </tr>  </thead>  <tbody>  <tr>  <td>001</td>  <td>The Alchemist</td>  <td>Paulo Coelho</td>  <td>₹399</td>  <td>  <button class="btn btn-primary btn-sm" onclick="openDetails('novels/novel1.html')">View Details</button>  </td>  </tr>  <tr>  <td>002</td>  <td>Harry Potter</td>  <td>J.K. Rowling</td>  <td>₹599</td>  <td>  <button class="btn btn-primary btn-sm" onclick="openDetails('novels/novel1.html')">View Details</button>  </td>  </tr>  <tr>  <td>003</td>  <td>Wings of Fire</td>  <td>Dr. A.P.J. Abdul Kalam</td>  <td>₹299</td>  <td>  <button class="btn btn-primary btn-sm" onclick="openDetails('novels/novel1.html')">View Details</button>  </td>  </tr>  <tr>  <td>004</td>  <td>The Midnight Library</td>  <td>Matt Haig</td>  <td>₹450</td>  <td>  <button class="btn btn-primary btn-sm" onclick="openDetails('novels/novel2.html')">View Details</button>  </td>  </tr>  <tr>  <td>005</td>  <td>Atomic Habits</td>  <td>James Clear</td>  <td>₹499</td>  <td>  <button class="btn btn-primary btn-sm" onclick="openDetails('novels/novel2.html')">View Details</button>  </td>  </tr>  <tr>  <td>006</td>  <td>The Hobbit</td>  <td>J.R.R. Tolkien's</td>  <td>₹449</td>  <td>  <button class="btn btn-primary btn-sm" onclick="openDetails('novels/novel2.html')">View Details</button>  </td>  </tr>  </tbody>  </table>  </div>  </div>  <script>  function openDetails(fileName) {  window.open(fileName, '\_blank');  }  </script>  </body>  </html> |
| **Output:** |  |
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| **3.** | **Book Details**   * Modal Popup for viewing book details or author bio. * Navigation Tabs for Book Info, Reviews, Author Bio. * Collapse/Accordion Filters for genre, ratings, price. * Popover for showing quick book summary. * Tooltips on action icons (wishlist, share, info). * Scrollspy to highlight active book category during scrolling. |
| **Code:** | <!DOCTYPE html>  <html lang="en">  <head>  <meta charset="UTF-8" />  <meta name="viewport" content="width=device-width, initial-scale=1" />  <title>Book Store with Cart</title>  <link href="../css/bootstrap.css" rel="stylesheet" />  <script src="../js/bootstrap.bundle.js"></script>  <style>  body { padding-top: 70px; }  .toast-container { position: fixed; top: 80px; right: 20px; z-index: 1080; }  </style>  </head>  <body>  <!-- Toast Container -->  <div class="toast-container" id="toast-container"></div>  <!-- Fixed Top Navbar -->  <nav class="navbar navbar-expand-lg navbar-dark bg-dark fixed-top">  <div class="container-fluid">  <a class="navbar-brand" href="#">Book Store</a>  <div class="dropdown ms-auto">  <button class="btn btn-outline-light" type="button" data-bs-toggle="dropdown" aria-expanded="false">  🛒 Cart <span id="cart-count" class="badge bg-danger">0</span>  </button>  <ul id="cart-dropdown" class="dropdown-menu dropdown-menu-end p-3"  style="min-width: 350px; max-height: 400px; overflow-y: auto;">  <li class="text-muted">Your cart is empty.</li>  </ul>  </div>  </div>  </nav>  <div class="container">  <h2 class="mb-4 text-center text-white bg-danger p-3 rounded">Book Descriptions</h2>  <!-- Book 1 -->  <div class="row mb-5 align-items-center">  <div class="col-md-4">  <img src="../img/The\_Alchemist.jpeg" alt="The Alchemist" class="img-fluid rounded" />  </div>  <div class="col-md-8">  <h3 class="bg-info text-dark bg-danger p-2 rounded">1. The Alchemist</h3>  <p>"The Alchemist," by Paulo Coelho, tells the story of Santiago...</p>  <h6><strong>Price:</strong><i>₹299</i></h6>  <div>  <button class="btn btn-primary me-2" onclick="addToCart('The Alchemist', '../img/The\_Alchemist.jpeg', 299)">🛒 Add to Cart</button>  <button class="btn btn-success" onclick="buyNow('The Alchemist', '../img/The\_Alchemist.jpeg', 299)">💳 Buy Now</button>  </div>  </div>  </div>  <!-- Book 2 -->  <div class="row mb-5 align-items-center">  <div class="col-md-4">  <img src="../img/harry\_potter.jpeg" alt="Harry Potter" class="img-fluid rounded" />  </div>  <div class="col-md-8">  <h3 class="bg-info text-dark bg-danger p-2 rounded">2. Harry Potter</h3>  <p>The Harry Potter series, written by J.K. Rowling...</p>  <h6><strong>Price:</strong><i>₹499</i></h6>  <div>  <button class="btn btn-primary me-2" onclick="addToCart('Harry Potter', '../img/harry\_potter.jpeg', 499)">🛒 Add to Cart</button>  <button class="btn btn-success" onclick="buyNow('Harry Potter', '../img/harry\_potter.jpeg', 499)">💳 Buy Now</button>  </div>  </div>  </div>  <!-- Book 3 -->  <div class="row mb-5 align-items-center">  <div class="col-md-4">  <img src="../img/wings\_of\_fire.jpeg" alt="Wings of Fire" class="img-fluid rounded" />  </div>  <div class="col-md-8">  <h3 class="bg-info text-dark p-2 bg-danger rounded">3. Wings of Fire</h3>  <p>"Wings of Fire" is the autobiography of A.P.J. Abdul Kalam...</p>  <h6><strong>Price:</strong><i>₹699</i></h6>  <div>  <button class="btn btn-primary me-2" onclick="addToCart('Wings of Fire', '../img/wings\_of\_fire.jpeg', 699)">🛒 Add to Cart</button>  <button class="btn btn-success" onclick="buyNow('Wings of Fire', '../img/wings\_of\_fire.jpeg', 699)">💳 Buy Now</button>  </div>  </div>  </div>  <!-- Pagination -->  <nav aria-label="Page navigation example">  <ul class="pagination justify-content-center">  <li class="page-item disabled"><a class="page-link" href="#">Previous</a></li>  <li class="page-item"><a class="page-link" href="novel1.html">1</a></li>  <li class="page-item"><a class="page-link" href="novel2.html">2</a></li>  <li class="page-item"><a class="page-link" href="novel2.html">Next</a></li>  </ul>  </nav>  </div>  <script>  let cart = [];  function addToCart(name, img, price) {  const existingItem = cart.find(item => item.name === name);  if (existingItem) existingItem.qty++;  else cart.push({ name, img, price, qty: 1 });  updateCartUI();  showToast(`${name} added to wishlist`);  }  function updateCartUI() {  const cartDropdown = document.getElementById('cart-dropdown');  const cartCount = document.getElementById('cart-count');  cartDropdown.innerHTML = '';  if (cart.length === 0) {  cartDropdown.innerHTML = '<li class="text-muted">Your cart is empty.</li>';  cartCount.textContent = 0;  return;  }  cartCount.textContent = cart.reduce((sum, item) => sum + item.qty, 0);  cart.forEach((item, index) => {  const li = document.createElement('li');  li.classList.add('mb-2');  li.innerHTML = `  <div class="d-flex align-items-center">  <img src="${item.img}" width="50" height="50" class="me-2 rounded">  <div class="flex-grow-1">  <strong>${item.name}</strong><br>  ₹${item.price} x ${item.qty} = ₹${item.price \* item.qty}  </div>  <button class="btn btn-success btn-sm ms-2" onclick="buyCartItem(${index})">💳 Buy</button>  </div>  `;  cartDropdown.appendChild(li);  });  }  function buyCartItem(index) {  const item = cart[index];  localStorage.setItem('buyItem', JSON.stringify(item));  window.location.href = 'buy.html';  }  function buyNow(name, img, price) {  const item = { name, img, price, qty: 1 };  localStorage.setItem('buyItem', JSON.stringify(item));  window.location.href = 'login.html';  }  // Toast notification function  function showToast(message) {  const toastContainer = document.getElementById('toast-container');  const toastEl = document.createElement('div');  toastEl.className = 'toast align-items-center text-white bg-dark border-0 mb-2';  toastEl.setAttribute('role', 'alert');  toastEl.setAttribute('aria-live', 'assertive');  toastEl.setAttribute('aria-atomic', 'true');  toastEl.innerHTML = `  <div class="d-flex">  <div class="toast-body">${message}</div>  <button type="button" class="btn-close btn-close-white me-2 m-auto" data-bs-dismiss="toast" aria-label="Close"></button>  </div>  `;  toastContainer.appendChild(toastEl);  const toast = new bootstrap.Toast(toastEl);  toast.show();  setTimeout(() => { toastEl.remove(); }, 3000);  }  </script>  </body>  </html>  **Novel2.html**  <!DOCTYPE html>  <html lang="en">  <head>  <meta charset="UTF-8" />  <meta name="viewport" content="width=device-width, initial-scale=1" />  <title>Book Store with Cart - Page 2</title>  <link href="../css/bootstrap.css" rel="stylesheet" />  <script src="../js/bootstrap.bundle.js"></script>  <style>  body { padding-top: 70px; }  .toast-container { position: fixed; top: 80px; right: 20px; z-index: 1080; }  </style>  </head>  <body>  <!-- Toast Container -->  <div class="toast-container" id="toast-container"></div>  <!-- Fixed Top Navbar -->  <nav class="navbar navbar-expand-lg navbar-dark bg-dark fixed-top">  <div class="container-fluid">  <a class="navbar-brand" href="#">Online Book Backet</a>  <div class="dropdown ms-auto">  <button class="btn btn-outline-light" type="button" data-bs-toggle="dropdown" aria-expanded="false">  🛒 Cart <span id="cart-count" class="badge bg-danger">0</span>  </button>  <ul id="cart-dropdown" class="dropdown-menu dropdown-menu-end p-3"  style="min-width: 350px; max-height: 400px; overflow-y: auto;">  <li class="text-muted">Your cart is empty.</li>  </ul>  </div>  </div>  </nav>  <div class="container">  <h2 class="mb-4 text-center text-white bg-danger p-3 rounded">Book Descriptions</h2>  <!-- Book 4 -->  <div class="row mb-5 align-items-center">  <div class="col-md-4">  <img src="../img/da\_vinci\_code.jpeg" alt="The Da Vinci Code" class="img-fluid rounded" />  </div>  <div class="col-md-8">  <h3 class="bg-info text-dark bg-danger p-2 rounded">4. The Da Vinci Code</h3>  <p>A mystery thriller by Dan Brown, following symbologist Robert Langdon as he uncovers secrets hidden in works of art while solving a murder at the Louvre Museum in Paris.</p>  <h6><strong>Price:</strong><i>₹399</i></h6>  <div>  <button class="btn btn-primary me-2" onclick="addToCart('The Da Vinci Code', '../img/da\_vinci\_code.jpeg', 399)">🛒 Add to Cart</button>  <button class="btn btn-success" onclick="buyNow('The Da Vinci Code', '../img/da\_vinci\_code.jpeg', 399)">💳 Buy Now</button>  </div>  </div>  </div>  <!-- Book 5 -->  <div class="row mb-5 align-items-center">  <div class="col-md-4">  <img src="../img/to\_kill\_a\_mockingbird.jpeg" alt="To Kill a Mockingbird" class="img-fluid rounded" />  </div>  <div class="col-md-8">  <h3 class="bg-info text-dark p-2 bg-danger rounded">5. To Kill a Mockingbird</h3>  <p>Harper Lee's classic novel exploring themes of racial injustice and moral growth in the Deep South, through the eyes of young Scout Finch.</p>  <h6><strong>Price:</strong><i>₹349</i></h6>  <div>  <button class="btn btn-primary me-2" onclick="addToCart('To Kill a Mockingbird', '../img/to\_kill\_a\_mockingbird.jpeg', 349)">🛒 Add to Cart</button>  <button class="btn btn-success" onclick="buyNow('To Kill a Mockingbird', '../img/to\_kill\_a\_mockingbird.jpeg', 349)">💳 Buy Now</button>  </div>  </div>  </div>  <!-- Book 6 -->  <div class="row mb-5 align-items-center">  <div class="col-md-4">  <img src="../img/the\_hobbit.jpeg" alt="The Hobbit" class="img-fluid rounded" />  </div>  <div class="col-md-8">  <h3 class="bg-info text-dark p-2 bg-danger rounded">6. The Hobbit</h3>  <p>J.R.R. Tolkien's fantasy novel follows Bilbo Baggins, a hobbit who embarks on an epic journey with dwarves to reclaim their mountain home from the dragon Smaug.</p>  <h6><strong>Price:</strong><i>₹449</i></h6>  <div>  <button class="btn btn-primary me-2" onclick="addToCart('The Hobbit', '../img/the\_hobbit.jpeg', 449)">🛒 Add to Cart</button>  <button class="btn btn-success" onclick="buyNow('The Hobbit', '../img/the\_hobbit.jpeg', 449)">💳 Buy Now</button>  </div>  </div>  </div>  <!-- Pagination -->  <nav aria-label="Page navigation example">  <ul class="pagination justify-content-center">  <li class="page-item"><a class="page-link" href="novel1.html">Previous</a></li>  <li class="page-item"><a class="page-link" href="novel1.html">1</a></li>  <li class="page-item active"><a class="page-link" href="novel2.html">2</a></li>  <li class="page-item"><a class="page-link" href="novel2.html">Next</a></li>  </ul>  </nav>  </div>  <script>  let cart = [];  function addToCart(name, img, price) {  const existingItem = cart.find(item => item.name === name);  if (existingItem) existingItem.qty++;  else cart.push({ name, img, price, qty: 1 });  updateCartUI();  showToast(`${name} added to wishlist`);  }  function updateCartUI() {  const cartDropdown = document.getElementById('cart-dropdown');  const cartCount = document.getElementById('cart-count');  cartDropdown.innerHTML = '';  if (cart.length === 0) {  cartDropdown.innerHTML = '<li class="text-muted">Your cart is empty.</li>';  cartCount.textContent = 0;  return;  }  cartCount.textContent = cart.reduce((sum, item) => sum + item.qty, 0);  cart.forEach((item, index) => {  const li = document.createElement('li');  li.classList.add('mb-2');  li.innerHTML = `  <div class="d-flex align-items-center">  <img src="${item.img}" width="50" height="50" class="me-2 rounded">  <div class="flex-grow-1">  <strong>${item.name}</strong><br>  ₹${item.price} x ${item.qty} = ₹${item.price \* item.qty}  </div>  <button class="btn btn-success btn-sm ms-2" onclick="buyCartItem(${index})">💳 Buy</button>  </div>  `;  cartDropdown.appendChild(li);  });  }  function buyCartItem(index) {  const item = cart[index];  localStorage.setItem('buyItem', JSON.stringify(item));  window.location.href = 'buy.html';  }  function buyNow(name, img, price) {  const item = { name, img, price, qty: 1 };  localStorage.setItem('buyItem', JSON.stringify(item));  window.location.href = 'login.html';  }  function showToast(message) {  const toastContainer = document.getElementById('toast-container');  const toastEl = document.createElement('div');  toastEl.className = 'toast align-items-center text-white bg-dark border-0 mb-2';  toastEl.setAttribute('role', 'alert');  toastEl.setAttribute('aria-live', 'assertive');  toastEl.setAttribute('aria-atomic', 'true');  toastEl.innerHTML = `  <div class="d-flex">  <div class="toast-body">${message}</div>  <button type="button" class="btn-close btn-close-white me-2 m-auto" data-bs-dismiss="toast" aria-label="Close"></button>  </div>  `;  toastContainer.appendChild(toastEl);  const toast = new bootstrap.Toast(toastEl);  toast.show();  setTimeout(() => { toastEl.remove(); }, 3000);  }  </script>  </body>  </html> |
| **Output:** |  |
| **4.** | **User Interactions**   * Buttons: Buy Now, Add to Wishlist, View Details. * Button Groups for filtering by genre. * Badges for cart items or review counts. * Progress Bar for reading completion status. * Alert Messages like “Added to Cart” / “Login Failed.”s * Toast Notification for “Book added to wishlist.” * Spinner on checkout/payment processing. * Off canvas Menu for mobile sidebar filters. |
| **Code:** | **Buy.html**  <!DOCTYPE html>  <html lang="en">  <head>  <meta charset="UTF-8">  <meta name="viewport" content="width=device-width, initial-scale=1.0">  <title>Buy Book</title>  <link href="../css/bootstrap.css" rel="stylesheet">  <script src="../js/bootstrap.bundle.js"></script>  <style>  body { padding-top: 20px; background: #f8f9fa; }  .hidden { display: none; }  #orderMessage { font-weight: bold; text-align: center; color: green; margin-top: 20px; }  </style>  </head>  <body>  <div class="container">  <div class="card shadow p-4">  <h2 class="text-primary mb-4 text-center">Confirm Your Purchase</h2>  <!-- Progress Bar -->  <h5 class="text-center mb-3">Order Progress</h5>  <div class="progress mb-4">  <div id="progress-bar"  class="progress-bar progress-bar-striped progress-bar-animated bg-success"  role="progressbar"  style="width: 0%;"  aria-valuenow="0" aria-valuemin="0" aria-valuemax="100">  0%  </div>  </div>  <!-- Book Info -->  <div id="book-info" class="mb-4 text-center"></div>  <!-- Payment Section -->  <div id="payment-section">  <h4 class="mb-3 text-center">Choose Payment Method</h4>  <div class="row g-3">  <!-- PayPal -->  <div class="col-md-6">  <div class="card p-3 text-center border-primary">  <h5 class="text-primary">Pay with PayPal</h5>  <div id="paypal-button-container"></div>  </div>  </div>  <!-- Card Payment -->  <div class="col-md-6">  <div class="card p-3 text-center border-success">  <h5 class="text-success">Credit / Debit Card</h5>  <form onsubmit="payWithCard(event)">  <input type="text" class="form-control mb-2" placeholder="Card Number" required>  <input type="text" class="form-control mb-2" placeholder="MM/YY" required>  <input type="text" class="form-control mb-2" placeholder="CVV" required>  <button class="btn btn-success w-100">Pay Now</button>  </form>  </div>  </div>  <!-- UPI Payment -->  <div class="col-md-6">  <div class="card p-3 text-center border-info">  <h5 class="text-info">UPI Payment</h5>  <form onsubmit="payWithUPI(event)">  <input type="text" id="upiId" class="form-control mb-2" placeholder="Enter UPI ID" required>  <button class="btn btn-info w-100">Pay Now</button>  </form>  </div>  </div>  <!-- Cash on Delivery -->  <div class="col-md-6">  <div class="card p-3 text-center border-warning">  <h5 class="text-warning">Cash on Delivery</h5>  <button class="btn btn-warning w-100" onclick="payCOD()">Confirm COD</button>  </div>  </div>  </div>  </div>  <!-- Order Message -->  <div id="orderMessage" class="hidden"></div>  </div>  </div>  <!-- PayPal SDK -->  <script src="https://www.paypal.com/sdk/js?client-id=YOUR\_CLIENT\_ID&currency=USD"></script>  <script>  // Get book from localStorage or fallback  const buyItem = JSON.parse(localStorage.getItem('buyItem')) || {  name: "Sample Book",  price: 100,  img: "https://via.placeholder.com/200x250?text=Book+Image",  qty: 1  };  // Show book info  document.getElementById('book-info').innerHTML = `  <img src="${buyItem.img}" style="max-width:200px;" class="img-fluid mb-2">  <h3>${buyItem.name}</h3>  <p class="fs-5 text-success">Price: ₹${buyItem.price \* buyItem.qty}</p>  <p>Quantity: ${buyItem.qty}</p>  `;  // Progress bar animation  function updateProgress(target, label) {  const bar = document.getElementById("progress-bar");  let current = parseInt(bar.getAttribute("aria-valuenow"));  const interval = setInterval(() => {  if (current >= target) {  clearInterval(interval);  } else {  current++;  bar.style.width = current + "%";  bar.setAttribute("aria-valuenow", current);  bar.textContent = current + "% - " + label;  }  }, 20);  }  // Show order message and redirect  function showOrderMessage() {  updateProgress(100, "Completed");  document.getElementById('payment-section').style.display = 'none';  const orderMessage = document.getElementById('orderMessage');  orderMessage.textContent = "Thank you! Your order has been placed. Redirecting...";  orderMessage.classList.remove('hidden');  localStorage.removeItem('buyItem');  setTimeout(() => {  window.location.href = "contact\_form.html";  }, 3000);  }  // Mock payments  function payWithCard(e){ e.preventDefault(); updateProgress(66,"Processing Payment"); setTimeout(()=>{ alert("Card payment successful!"); showOrderMessage(); }, 1000); }  function payWithUPI(e){ e.preventDefault(); updateProgress(66,"Processing Payment"); const upi=document.getElementById('upiId').value; setTimeout(()=>{ alert("UPI payment successful: "+upi); showOrderMessage(); }, 1000); }  function payCOD(){ updateProgress(66,"Processing Payment"); setTimeout(()=>{ alert("COD selected!"); showOrderMessage(); }, 1000); }  // PayPal Buttons  paypal.Buttons({  createOrder: (data, actions) => actions.order.create({  purchase\_units: [{ amount: { value: buyItem.price \* buyItem.qty }, description: buyItem.name }]  }),  onApprove: (data, actions) => actions.order.capture().then(() => {  updateProgress(66,"Processing Payment");  setTimeout(()=>{ alert("PayPal payment successful!"); showOrderMessage(); }, 1000);  })  }).render('#paypal-button-container');  // Start progress at 33% (Login done)  updateProgress(33,"Login Completed");  </script>  </body>  </html> |
| **Output:** |  |
| **5.** | **Forms & User Input**  **Login & Registration** Form with floating labels and validation.  **Customer Contact Form:**   * Input fields (Name, Email, Message). * Select menu for inquiry type. * Checkbox for newsletter subscription. * Radio buttons for rating feedback.   Search Input Group with button icon.  Range Slider for price filter. |
| **Code:** | **Contact\_form.html**  <!DOCTYPE html>  <html lang="en">  <head>  <meta charset="UTF-8">  <meta name="viewport" content="width=device-width, initial-scale=1.0">  <title>Customer Contact Form</title>  <link href="../css/bootstrap.css" rel="stylesheet">  <script src="../js/bootstrap.bundle.js"></script>  <style>  body { background: #f8f9fa; padding-top: 20px; }  .form-card { max-width: 600px; margin: auto; }  </style>  </head>  <body>  <div class="container">  <div class="card shadow p-4 form-card">  <h2 class="text-center text-primary mb-4">Customer Contact Form</h2>  <form id="contactForm">  <!-- Name -->  <div class="mb-3">  <label class="form-label">Full Name</label>  <input type="text" class="form-control" placeholder="Enter your name" required>  </div>  <!-- Email -->  <div class="mb-3">  <label class="form-label">Email Address</label>  <input type="email" class="form-control" placeholder="Enter your email" required>  </div>  <!-- Message -->  <div class="mb-3">  <label class="form-label">Message</label>  <textarea class="form-control" rows="4" placeholder="Write your message here..." required></textarea>  </div>  <!-- Inquiry Type -->  <div class="mb-3">  <label class="form-label">Inquiry Type</label>  <select class="form-select" required>  <option value="">-- Select --</option>  <option>Order Issue</option>  <option>Refund Request</option>  <option>Book Availability</option>  <option>Other</option>  </select>  </div>  <!-- Newsletter -->  <div class="form-check mb-3">  <input class="form-check-input" type="checkbox" id="newsletter">  <label class="form-check-label" for="newsletter">Subscribe to our newsletter</label>  </div>  <!-- Rating -->  <div class="mb-3">  <label class="form-label">Rate your experience</label><br>  <div class="form-check form-check-inline">  <input class="form-check-input" type="radio" name="rating" value="1">  <label class="form-check-label">1</label>  </div>  <div class="form-check form-check-inline">  <input class="form-check-input" type="radio" name="rating" value="2">  <label class="form-check-label">2</label>  </div>  <div class="form-check form-check-inline">  <input class="form-check-input" type="radio" name="rating" value="3">  <label class="form-check-label">3</label>  </div>  <div class="form-check form-check-inline">  <input class="form-check-input" type="radio" name="rating" value="4">  <label class="form-check-label">4</label>  </div>  <div class="form-check form-check-inline">  <input class="form-check-input" type="radio" name="rating" value="5">  <label class="form-check-label">5</label>  </div>  </div>  <!-- Submit -->  <button type="submit" class="btn btn-primary w-100">Submit</button>  </form>  <!-- Message -->  <div id="thankYouMsg" class="text-success text-center mt-3 fw-bold d-none">  ✅ Thank you for your feedback!  </div>  </div>  </div>  <script>  document.getElementById("contactForm").addEventListener("submit", function(e){  e.preventDefault();  document.getElementById("thankYouMsg").classList.remove("d-none");  this.reset();  });  </script>  </body>  </html>  Login.html  <!DOCTYPE html>  <html lang="en">  <head>  <meta charset="UTF-8">  <meta name="viewport" content="width=device-width, initial-scale=1">  <title>Login - Online Bookstore</title>  <link href="../css/bootstrap.css" rel="stylesheet">  <script src="../js/bootstrap.bundle.js"></script>  <style>  body { background: #f8f9fa; }  .login-card { max-width: 400px; margin: 80px auto; }  </style>  </head>  <body>  <div class="container">  <div class="card login-card shadow p-4">  <h2 class="text-center text-primary mb-4">Login</h2>  <form id="loginForm">  <div class="mb-3">  <label class="form-label">Email</label>  <input type="email" id="email" class="form-control" required>  </div>  <div class="mb-3">  <label class="form-label">Password</label>  <input type="password" id="password" class="form-control" required>  </div>  <button type="submit" class="btn btn-primary w-100">Login</button>  </form>  </div>  </div>  <script>  document.getElementById("loginForm").addEventListener("submit", function(e) {  e.preventDefault();  // simple demo login check  const email = document.getElementById("email").value;  const password = document.getElementById("password").value;  if(email && password){  // mark user as logged in  localStorage.setItem("loggedIn", "true");  alert("Login successful!");  // after login → go to buy page  window.location.href = "buy.html";  } else {  alert("Please enter email and password.");  }  });  </script>  </body>  </html> |
| **Output:** |  |
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