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|  | **Lab-1 create university website using HTML, CSS and create in responsive with**  **media query.**  **Main Page**  **1. Home page:- the static home page must contains Four frame (Fix Layout)**  **2. Top frame:- logo and University name and links to all college page and catalogue**  **page**  **3.Navigation:-**  **4. Left frame:- all the faculty lists ex.-(faculty of science, faculty of arts, faculty of**  **commerce) if I click faculty of science than in the right frame detailed shown about**  **faculty of science**  **5. Right frame:- the pages to links in the left frame must be loaded here initially it Contains the description of the website.** |
| **Code:** | **Home.html**  <!DOCTYPE html>  <html lang="en">  <head>      <meta charset="UTF-8">      <meta name="viewport" content="width=device-width, initial-scale=1.0">      <title>Document</title>      <link rel="stylesheet" href="./css/style.css">    </head>  <body>      <section class="section">          <div class="header">              <img src="./img/cvmLogo.png" alt="logo">              <h1>THE CHARUSAT VIDHYA MANDIR UNIVERSITY</h1>          </div>          <div class="nav">              <nav>                  <ul>                      <li><a href="Home.html">Home</a></li>                      <li><a href="Istar.html">ISTAR</a></li>                      <li><a href="semcom.htm">SEMCOM</a></li>                      <li><a href="nvpass.html">NVPASS</a></li>                      <li><a href="adit.html">ADIT</a></li>                  </ul>              </nav>          </div>          <div class="sidebar">              <h2>Faculties</h2>              <h4>Faculty of Science</h4>              <h4>Faculty of arts</h4>              <h4>Faculty of commerce</h4>          </div>          <div class="main">              <h1>Welcome to CVM University</h1>              <br>              <p style="font-size: larger;">CVM University, located in Vallabh Vidyanagar,                  <p style="font-size: larger;">Gujarat, is a multi-faculty institution established in 2019 under the Charutar Vidya Mandal Trust.</p>              <p style="font-size: larger;">It offers a wide range of undergraduate, postgraduate, and doctoral programs across                   various disciplines like Engineering, Science, Commerce, Law, Management, and more.</p>              <p style="font-size: larger;">The university is recognized by the University Grants Commission (UGC) and emphasizes research and innovation.</p>          </div>          <footer class="footer">              <p>@ 2025 The CVM University</p>          </footer>      </section>  </body>  </html>  Fixed.html  \*{  margin: 2px;  }  .header{  display: flex;  align-items: center;  background-color:rgb(30, 30, 243);  color:lightgrey;  font-family: Verdana, Geneva, Tahoma, sans-serif;  padding: 5px 20px;  text-align: center;  }  .header img{  width: 70px;  margin-right: 20px;  }  .header h4{    margin-left: 300px;  }  nav{  text-align: center;  font-size: large;  font-family: Verdana, Geneva, Tahoma, sans-serif;  background-color:rgb(78, 78, 236);  color: black;  padding: 15px;  margin: 10px;  }  li{  display: inline;  padding: 8px;  text-align: center;  margin: 5px;  align-items: center;    }  li a{  text-decoration: none;  color:white;  }  .sidebar a{  text-decoration: none;  font-size: larger;  }  .sidebar{    float: left;  width: 250px;  height: 380px;  background-color: rgb(209, 209, 245);  padding: 15px;  margin: 10px;  display: block;  }  .sidebar h4{  font-size: larger;  margin-left: 10px;    }  .sidebar a{  display: block;  color: black;  margin: 5px;  padding: 5px;  font-size: x-large;  font-weight: 200;  }  .main{  /\* width: 985px; 1200 - 250 - 20 (gap/margin/padding) \*/  height: 380px;  width: 1480px;  background-color:rgb(209, 209, 245);  padding: 20px;  /\* border: 1px solid; \*/  margin-left: 300px;    }  .main h1{  margin-left: 100px;  }  iframe{  width: 800px;  height: 450px;  border: none;    }  .section::after {  content: "";  display: table;  clear: both;  }  .footer {  background-color: rgb(78, 78, 236);  height: 40px;  margin: 2px;  font-size: x-large;  text-align: center;  align-items: center; /\* Vertically center \*/  justify-content:center  }  .footer p{  text-align: center;  display: flex;  align-items: center;  } |
| **Output:** |  |
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| **2.** | **I. ISTAR PAGE: The static ISTAR page must contain three frames. (Fix Layout)**  **🡪 Top frame:- logo and collage name and links to all college page and**  **catalogue page**  **🡪 Left frame:- all the Department list lists ex.-(Computer Science)**  **🡪 Right frame:- the pages to links in the left frame must be loaded here initially it Contains the description of the department** |
| **Code:** | **Istar.html**  <!DOCTYPE html>  <html lang="en">  <head>      <meta charset="UTF-8">      <meta name="viewport" content="width=device-width, initial-scale=1.0">      <title>Document</title>      <link rel="stylesheet" href="./css/style.css">    </head>  <body>      <section class="section">          <div class="header">              <img src="./img/istarLogo.png" alt="logo">              <h1>INSTITE OF  SCIENCE & TECHNOLOGY  FOR ADVANCED STUDIES & RESEARCH</h1><br>              <!-- <img  class="img" src="./img/cvmLogo.png" alt="" style="">  -->          </div>          <div class="nav">              <nav>                  <ul>                      <li><a href="Home.html">Home</a></li>                      <li><a href="Istar.html">ISTAR</a></li>                      <li><a href="semcom.htm">SEMCOM</a></li>                      <li><a href="nvpass.html">NVPASS</a></li>                      <li><a href="adit.html">ADIT</a></li>                  </ul>              </nav>          </div>          <div class="sidebar">              <h2>Departments</h2><br>              <a href="./Frames/cs.html" target="contentFrame">Computer Science</a><br>              <a href="./Frames/os.html" target="contentFrame">M.Sc OS</a><br>              <a href="./Frames/ic.html" target="contentFrame">M.Sc IC</a><br>              <a href="./Frames/env.html" target="contentFrame">M.Sc ENV</a><br>              <a href="./Frames/gis.html" target="contentFrame">M.Sc GIS</a><br>            </div>          <div class="main">              <h1>Welcome to Istar College</h1>              <iframe name="contentFrame"></iframe>          </div>          <footer class="footer">              <p>@ 2025 The CVM University</b></p>          </footer>      </section>  </body>  </html> |
| **Output:** |  |
|  |  |
| **3.** | **SEMCOM PAGE (Fluid Layout)**  **• Top frame:- logo and collage name and links to all college page and catalogue page**  **• Left frame:- all the Department list lists ex.-(Computer Science)**  **• Right frame:- the pages to links in the left frame must be loaded here initially it Contains the description of the department** |
| **Code:** | **Semcom.html**  <!DOCTYPE html>  <html lang="en">  <head>  <meta charset="UTF-8">  <meta name="viewport" content="width=device-width, initial-scale=1.0">  <title>Document</title>  <link rel="stylesheet" href="./css/fuild.css">    </head>  <body>  <section class="section">  <div class="header">  <img src="./img/semcomLogo.png" alt="logo">  <h1>S.G.M ENGLISH MEDIUM COLLEGE OF COMMERCE AND MANAGEMENT</h1><br>  <!-- <img class="img" src="./img/cvmLogo.png" alt="" style=""> -->  </div>  <div class="nav">  <nav>  <ul>  <li><a href="Home.html">Home</a></li>  <li><a href="Istar.html">ISTAR</a></li>  <li><a href="semcom.htm">SEMCOM</a></li>  <li><a href="nvpass.html">NVPASS</a></li>  <li><a href="adit.html">ADIT</a></li>  </ul>  </nav>  </div>  <div class="sidebar">  <h2>Departments</h2><br>  <a href="./Frames/cs.html" target="contentFrame">Computer Science</a><br>  <a href="./Frames/os.html" target="contentFrame">M.Sc OS</a><br>  <a href="./Frames/ic.html" target="contentFrame">M.Sc IC</a><br>  <a href="./Frames/env.html" target="contentFrame">M.Sc ENV</a><br>  <a href="./Frames/gis.html" target="contentFrame">M.Sc GIS</a><br>    </div>  <div class="main">  <h1>Welcome to Istar College</h1>  <iframe name="contentFrame"></iframe>  </div>    </section>  <div class="footer">  <p>@ 2025 The CVM University|</p>  </div>  </body>  </html>  **Fluid.css**  \* {      margin: 1;      padding: 0;      box-sizing: border-box;  }  .section {      /\* border: 2px solid black;  \*/      width: 100%;      padding: 0%;  }  .header {      display: flex;      align-items: center;      background-color: rgb(30, 30, 243);      color: lightgrey;      /\* font-family: Verdana, Geneva, Tahoma, sans-serif; \*/      padding: 1.5% 2%;      text-align: center;      flex-wrap: wrap;  }  .header img {      width: 6vw; /\* Responsive image \*/      max-width: 70px;      margin-right: 2vw;  }  .header h4 {      font-size:20px;  }  nav {      text-align: center;      font-family: Verdana, Geneva, Tahoma, sans-serif;      background-color: rgb(78, 78, 236);      color: black;      /\* padding: 1.5%; \*/      margin: 1%;  }  li {      display: inline-block;      padding: 1% 2%;      text-align: center;      margin: 0.5%;  }  li a {      text-decoration: none;      color: white;      font-size:large;  }  .sidebar {      float: left;      width: 22%;      /\* height: auto; \*/      background-color: rgb(209, 209, 245);      padding: 2%;      margin: 1%;      /\* height: 64VH; \*/          height: 66VH;  }  .sidebar h4 {      font-size: 1.5vw;      margin-left: 5%;  }  .sidebar a {      display: block;      color: black;      /\* margin: 2% 0;      padding: 1%; \*/      font-size:x-large;      font-weight: 500;      text-decoration: none;  }  .main {      width: 74%;      float: left;      height: auto;      background-color: rgb(209, 209, 245);      /\* padding: 2%;      margin: 1%; \*/  }  .main h1 {      font-size: 2vw;      margin-left: 5%;  }  iframe {      width: 100%;      height: 60vh;      border: none;  }  .section {      /\* border: 2px solid black; \*/      padding: 1%;      width: 100%;      overflow: hidden; /\* optional fix \*/  }  .section::after {      content: "";      display: table;      clear: both;  }  .footer {      background-color: rgb(78, 78, 236);      height: 8vh;      margin-top: 1%;      font-size: 1.5vw;      display: flex;      align-items: center;      justify-content: center;      clear: both;  }  .footer p {      margin: 0;      padding: 0;      font-size: inherit;      text-align: center;  } |
| **Output:** |  |
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| **4.** | **NVPASS PAGE: The catalogue page should contain the details of all the books available in the web site in a table. (Adaptive Layout)**  **• Top frame:- logo and collage name and links to all college page and catalogue page**  **• Left frame:- all the Department list lists ex.-(Computer Science)**  **• Right frame:- the pages to links in the left frame must be loaded here initially it Contains the description of the department** |
| **Code:** | **NVPASS.html**  <!DOCTYPE html>  <html lang="en">  <head>  <meta charset="UTF-8">  <meta name="viewport" content="width=device-width, initial-scale=1.0">  <title>Document</title>  <link rel="stylesheet" href="./css/adaptive.css">  </head>  <body>  <section class="section">  <div class="header">  <img src="./img/NVPASSLogo.png" alt="logo">  <h2>NATUBHAI V. PATEL COLLEGE OF PURE AND APPLIED SCIENCES COBNVRET CAPITYAL</h2><br>  <!-- <img class="img" src="./img/cvmLogo.png" alt="" style=""> -->  </div>  <div class="nav">  <img src="./img/burger-bar.png" alt="Menu" class="menu-icon">  <nav>  <ul class="nav-list">  <li><a href="Home.html">Home</a></li>  <li><a href="Istar.html">ISTAR</a></li>  <li><a href="semcom.htm">SEMCOM</a></li>  <li><a href="nvpass.html">NVPASS</a></li>  <li><a href="adit.html">ADIT</a></li>  </ul>  </nav>  </div>  <div class="sidebar">  <h2>Departments</h2><br>  <a href="./Frames/cs.html" target="contentFrame">Computer Science</a><br>  <a href="./Frames/os.html" target="contentFrame">M.Sc OS</a><br>  <a href="./Frames/ic.html" target="contentFrame">M.Sc IC</a><br>  <a href="./Frames/env.html" target="contentFrame">M.Sc ENV</a><br>  <a href="./Frames/gis.html" target="contentFrame">M.Sc GIS</a><br>    </div>  <div class="main">  <h1>Welcome to Istar College</h1>  <iframe name="contentFrame"></iframe>  </div>    </section>  <div class="footer">  <p>@ 2025 The CVM University</b></p>  </div>  </body>  </html>  Adptive.css  \* {  margin: 0;  padding: 0;  box-sizing: border-box;  }  .section {  width: 100%;  padding: 1%;  overflow: hidden;  }  .section::after {  content: "";  display: table;  clear: both;  }  .header {  display: flex;  align-items: center;  background-color: rgb(30, 30, 243);;  color: lightgrey;  padding: 1.5% 2%;  text-align: center;  flex-wrap: wrap;  }  .header img {  width: 6vw;  max-width: 70px;  margin-right: 2vw;  }  .header h4 {  font-size: 20px;  }  nav {  text-align: center;  font-family: Verdana, Geneva, Tahoma, sans-serif;  background-color: rgb(78, 78, 236);  color: black;  margin: 1%;  }  .menu-icon {  display: none;  width: 30px;  height: auto;  margin: 10px;  cursor: pointer;  }  .nav-list {  list-style: none;  text-align: center;  margin: 0;  padding: 0;  }  .nav-list li {  display: inline-block;  padding: 1% 2%;  margin: 0.5%;  }  .nav-list li a {  text-decoration: none;  color: white;  font-size: large;  }  li {  display: inline-block;  padding: 1% 2%;  margin: 0.5%;  }  li a {  text-decoration: none;  color: black;  font-size: large;  }  .sidebar {  float: left;  width: 22%;  background-color: rgb(209, 209, 245);  padding: 2%;  margin: 1%;  height: 64VH;  }  .sidebar h4 {  font-size: 1.5vw;  margin-left: 5%;  }  .sidebar a {  display: block;  color: black;  font-size: x-large;  font-weight: 500;  text-decoration: none;  }  .main {  float: left;  width: 74%;  background-color: rgb(209, 209, 245);  margin: 1% 0;  }  .main h1 {  font-size: 2vw;  margin-left: 5%;  }  iframe {  width: 100%;  height: 60vh;  border: none;  }  .footer {  background-color: rgb(78, 78, 236);  height: 8vh;  margin-top: 1%;  font-size: 1.5vw;  display: flex;  align-items: center;  justify-content: center;  clear: both;  }  .footer p {  margin: 0;  padding: 0;  font-size: inherit;  text-align: center;  }  /\* ======================  MEDIA QUERIES FOR ADAPTIVE LAYOUT  ====================== \*/  /\* Tablets (max-width: 992px) \*/  @media (max-width: 992px) {  .sidebar {  width: 100%;  float: none;  margin-bottom: 2%;  }  .main {  width: 100%;  float: none;  }  .sidebar h4,  .main h1 {  font-size: 4vw;  }  .sidebar a {  font-size: 3vw;  }  .header h4 {  font-size: 4vw;  }  .footer {  font-size: 3vw;  }  }  /\* Mobile phones (max-width: 600px) \*/  @media (max-width: 600px) {  nav li {  display: block;  margin: 1% 0;  }  .sidebar h4,  .main h1,  .sidebar a,  .header h4,  .footer {  font-size: 5vw;  }  .header {  flex-direction: column;  align-items: flex-start;  }  .header img {  margin: 0 0 10px 0;  }  }  @media (max-width: 600px) {  .menu-icon {  display: block;  }  .nav-list {  display: none; /\* Hide menu list \*/  }  } |
| **Output:** |  |
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| **5.** | **MBIT PAGE (Hybrid Layout)**  **• Top frame:- logo and collage name and links to all college page and catalogue page**  **• Left frame:- all the Department list lists ex.-(Computer Science)**  **• Right frame:- the pages to links in the left frame must be loaded here initially it Contains the description of the department** |
| **Code:** | **ADIT.html**  <!DOCTYPE html>  <html lang="en">  <head>      <meta charset="UTF-8">      <meta name="viewport" content="width=device-width, initial-scale=1.0">      <title>Document</title>      <link rel="stylesheet" href="./css/hybrid.css">    </head>  <body>      <section class="section">          <div class="header">              <img src="./img/aditLogo.png" alt="logo">              <h1 **align**="center">A. D. PATEL INSTITUTE OF TECHNOLOGY </h1><br>              <!-- <img  class="img" src="./img/cvmLogo.png" alt="" style="">  -->          </div>          <div class="nav">              <nav>                  <ul>                      <li><a href="Home.html">Home</a></li>                      <li><a href="Istar.html">ISTAR</a></li>                      <li><a href="semcom.html">SEMCOM</a></li>                      <li><a href="nvpass.html">NVPASS</a></li>                      <li><a href="adit.html">ADIT</a></li>                  </ul>              </nav>          </div>          <div class="sidebar">              <h2>Departments</h2><br>              <a href="./Frames/cs.html" target="contentFrame">Computer Science</a><br>              <a href="./Frames/os.html" target="contentFrame">M.Sc OS</a><br>              <a href="./Frames/ic.html" target="contentFrame">M.Sc IC</a><br>              <a href="./Frames/env.html" target="contentFrame">M.Sc ENV</a><br>              <a href="./Frames/gis.html" target="contentFrame">M.Sc GIS</a><br>            </div>          <div class="main">              <h1>Welcome to ADIT College</h1>              <iframe name="contentFrame"></iframe>          </div>          <footer class="footer">              <p>@ 2025 The CVM University </p>          </footer>      </section>  </body>  </html>  Hybrid.css  \* {      margin: 0;      padding: 0;      box-sizing: border-box;  }  .section {      width: 100%;      padding: 1%;      overflow: hidden;  }  .section::after {      content: "";      display: table;      clear: both;  }  /\* HEADER \*/  .header {      display: flex;      align-items: center;      background-color: rgb(30, 30, 243);      color: lightgrey;      padding: 15px 20px;      text-align: center;      flex-wrap: wrap;      width: 100%; /\* fluid \*/  }  .header img {      width: 110px;   /\* fixed logo \*/      margin-right: 20px;  }  .header h4 {      font-size:xx-large;  }  nav {      text-align: center;      font-family: Verdana, Geneva, Tahoma, sans-serif;      background-color: rgb(78, 78, 236);      color: black;      margin: 1%;  }  .menu-icon {      display: none;      width: 30px;      height: auto;      margin: 10px;      cursor: pointer;  }  .nav-list {      list-style: none;      text-align: center;      margin: 0;      padding: 0;  }  .nav-list li {      display: inline-block;      padding: 1% 2%;      margin: 0.5%;  }  .nav-list li a {      text-decoration: none;      color: black;      font-size: large;  }  li {      display: inline-block;      padding: 1% 2%;      margin: 0.5%;  }  li a {      text-decoration: none;      color: black;      font-size: large;  }  /\* SIDEBAR (fixed width) \*/  .sidebar {      float: left;      width: 250px;  /\* FIXED width \*/      background-color: rgb(209, 209, 245);      padding: 15px;      margin: 10px;       min-height: 70vh;    }  .sidebar h4 {      font-size: 1.5vw;      margin: 10px 0;  }  .sidebar a {      display: block;      color: black;      font-size: 1.1rem;      font-weight: 500;      text-decoration: none;      margin: 8px 0;    }  /\* MAIN (fluid) \*/  .main {      float: left;      width: calc(100% - 290px); /\* fluid = full width minus sidebar \*/      background-color: rgb(209, 209, 245);      margin: 10px 0;      min-height: 60vh;      padding: 15px;  }  .main h1 {      font-size: 1.5rem;      margin: 15px 0;  }  iframe {      width: 100%;      height: 60vh;      border: none;  }  /\* FOOTER \*/  .footer {      background-color:rgb(78, 78, 236);      height: 50px;      margin-top: 10px;      font-size: 1rem;      display: flex;      align-items: center;      justify-content: center;      clear: both;      width: 100%; /\* fluid \*/  }  .footer p {      margin: 0;      padding: 0;      font-size: inherit;      text-align: center;  } |
| **Output:** |  |
|  |  |
| **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:** |  |
| **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:** |  |
|  |  |
| **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:** | **Novel1.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</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:** |  |
|  | **Tailwind Framework** |
| **1 .** | **Introduction Of Tailwind** |
|  | **• Install Tailwind CSS in a new project and configure it properly.**  **Step1:**    **Step2: src/input.css**    **Step3:**    **Step4:src/index.html**  <!doctype html>  <html>  <head>    <meta charset="UTF-8">    <meta name="viewport" content="width=device-width, initial-scale=1.0">    <link href="./output.css" rel="stylesheet">  </head>  <body>    <h1 class="text-3xl font-bold underline ">      Hello world!    </h1>  </body>  </html>  **Output:**    **• Create a simple HTML page and apply at least 5 different Tailwind utility classes (e.g., text color, padding, margin, background).**  **Index.html**  <!doctype html>  <html>  <head>  <meta charset="UTF-8">  <meta name="viewport" content="width=device-width, initial-scale=1.0">  <link href="./output.css" rel="stylesheet">  </head>  <body>  <h1 class="text-3xl font-bold underline ">  Hello world!  </h1>  <div class="text-2xl m-5 h-96 w-150 text-center bg-purple-300 content-center "><div class="text-3xl font-bold">Flowers Details</div>  <table class="table-fixed bg-purple-100  border-collapse: separate; border border-gray-500 w-100 text-center m-25 center">  <thead>  <tr class="border border-gray-500">  <th class="border border-gray-500 bg-black text-white ">Name</th>  <th class="border border-gray-500 bg-black text-white">Description</th>  </tr>  </thead>  <tbody>  <tr class="border border-gray-500">  <td class="border border-gray-500 bg-red-500 text-black">Rose</td>  <td class="border border-gray-500 bg-red-500 text-black">Color is a Red</td>    </tr >  <tr class="border border-gray-500">  <td class="border border-gray-500 bg-yellow-500 text-black">SunFlower</td>  <td class="border border-gray-500 bg-yellow-500 text-black">Colour is yellow</td>    </tr>  <tr class="border border-gray-500">  <td class="border border-gray-500 bg-blue-500 text-black">Lily</td>  <td class="border border-gray-500 bg-blue-500 text-black">Colour is Blue</td>    </tr>  </tbody>  </table>  </div>    </body>  </html>  **Output:** |
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