**CHAROTAR UNIVERSITY OF SCIENCE & TECHNOLOGY**

**DEVANG PATEL INSTITUTE OF ADVANCE TECHNOLOGY & RESEARCH**

**Department of Computer Science & Engineering**

**Subject Name: Web Development Framework**

**Semester: III**

**Subject Code: ITEU204**

**Academic year: 2025-26 [ODD]**

Practical File

|  |  |
| --- | --- |
| **No.** | **Aim of the Practical** |
| 2. | Design a fully responsive layout for the portal home, about, and registration  pages using CSS and Flexbox/Grid.  **PROGRAM CODE (Times New Roman:14) :**   1. **HOME PAGE :**   <!DOCTYPE html>  <html lang="en">    <head>      <meta charset="UTF-8" />      <meta name="viewport" content="width=device-width, initial-scale=1.0" />      <title>HOME</title>      <style>        body,        html {          margin: 0;          padding: 0;          font-family: "Segoe UI", Tahoma, Geneva, Verdana, sans-serif;          color: #fff;          background-color: #0b1a2b;        }        header {          display: flex;          align-items: center;          justify-content: space-between;          background-color: rgba(0, 0, 0, 0.85);          padding: 10px 30px;          border-bottom: 3px solid #ffd700;        }        header a img {          height: 50px;          display: block;        }        header h1 {          margin: 0;          font-size: 2em;          color: #ffd700;          text-shadow: 2px 2px 5px #000;          flex-grow: 1;          padding-left: 15px;        }        nav {          display: flex;          gap: 15px;          flex-wrap: wrap;        }        nav a {          color: #ffffff;          text-decoration: none;          font-weight: 600;          font-size: 0.95em;          padding: 6px 10px;          border-radius: 5px;          transition: background-color 0.3s ease, color 0.3s ease;        }        nav a:hover {          background-color: #ffd700;          color: #0b1a2b;        }        main {          padding: 40px;          max-width: 900px;          margin: auto;          background-color: rgba(0, 0, 0, 0.6);          border-radius: 10px;          box-shadow: 0 0 20px rgba(0, 0, 0, 0.4);          margin-top: 40px;        }        h2 {          color: #ffd700;          text-align: center;          text-shadow: 1px 1px 3px #000;          margin-bottom: 20px;        }        h3 {          color: #f5f5b5;          text-align: center;          font-weight: normal;          margin-top: 30px;        }        p {          font-size: 1.1em;          line-height: 1.6;          text-align: center;          margin: 15px 0;        }        ul {          max-width: 80%;          margin: 20px auto;          padding: 20px;          background-color: rgba(0, 0, 0, 0.4);          border-radius: 10px;          list-style-type: square;          box-shadow: 0 0 10px #000;        }        ul li {          font-size: 1.1em;          margin: 10px 0;          color: #fffacd;        }        footer {          text-align: center;          font-size: 0.85em;          padding: 20px;          background-color: rgba(0, 0, 0, 0.85);          color: #bbb;          border-top: 2px solid #ffd700;          margin-top: 60px;        }      </style>    </head>    <body>      <header>        <a href="Home.html">          <img src="shiksha\_logo-removebg-preview.png" alt="Shiksha Logo" />        </a>        <nav>          <a href="Home.html">HOME</a>          <a href="USER REGISTRATION.html">USER REGISTRATION</a>          <a href="FACULTY DETAILS.html">FACULTY DETAILS</a>          <a href="PLACEMENT.HTML">PLACEMENT</a>          <a href="CAREER.HTML">CAREER</a>          <a href="EVENTS.HTML">EVENTS</a>          <a href="NEP 2020.HTML">NEP 2020</a>          <a href="LEADERBOARD.HTML">LEADERBOARD</a>          <a href="ADMISSION.HTML">ADMISSION</a>          <a href="ABOUT US.HTML">ABOUT US</a>          <a href="FAQs.html">FAQs</a>        </nav>      </header>      <main>        <h2>Welcome to Shiksha – Your Learning Companion</h2>        <p>          <strong>At SHIKSHA</strong> (School Hub for Intelligent Knowledge &          Skills Honing and Assessment), we believe that education should be          accessible, engaging, and empowering for every student. Whether you're          preparing for exams, exploring new subjects, or looking for guidance in          your academic journey, Shiksha is here to support you every step of the          way.        </p>        <p>          Our platform offers curated resources, interactive tools, and expert          tips to help you learn smarter, not harder. Join a growing community of          learners and unlock your true potential with Shiksha.        </p>        <p>          <strong>Learn. Grow. Succeed.</strong><br />Because with the right          support, every student can shine.        </p>        <h2>💡 Why Shiksha?</h2>        <ul>          <li>Easy-to-use interface</li>          <li>Real-time access to academic data</li>          <li>Supports NEP 2020 goals and modern education standards</li>          <li>Promotes transparency and paperless administration</li>        </ul>        <h2>🚀 Join Us in Transforming Education</h2>        <h3>          At Shiksha, we believe that technology should empower learning, not          complicate it. Experience smoother academic management — anytime,          anywhere.        </h3>      </main>      <footer>        Trade Marks belong to the respective owners. Copyright © 2025 Info Edge        India Ltd. All rights reserved.      </footer>    </body>  </html>   1. **USER REGISTRATION :**   <!DOCTYPE html>  <html lang="en">    <head>      <meta charset="UTF-8" />      <meta name="viewport" content="width=device-width, initial-scale=1.0" />      <title>USER REGISTRATION</title>      <style>        html,        body {          margin: 0;          padding: 0;          font-family: "Segoe UI";          color: #ffffff;          background-color: #0b1a2b;          height: 100%;          display: flex;          flex-direction: column;        }        header {          display: flex;          align-items: center;          justify-content: space-between;          background-color: rgba(0, 0, 0, 0.85);          padding: 10px 30px;          border-bottom: 3px solid #ffd700;        }        header a img {          height: 50px;          display: block;          transition: transform 0.3s ease;        }        header h1 {          margin: 0;          font-size: 2em;          color: #ffd700;          text-shadow: 2px 2px 5px #000;          flex-grow: 1;          padding-left: 15px;        }        nav {          display: flex;          gap: 15px;          flex-wrap: wrap;        }        nav a {          color: #ffffff;          text-decoration: none;          font-weight: 600;          font-size: 0.95em;          padding: 6px 10px;          border-radius: 5px;          transition: background-color 0.3s ease, color 0.3s ease;        }        nav a:hover {          background-color: #ffd700;          color: #0b1a2b;        }        main {          flex: 1;          max-width: 500px;          margin: 50px auto;          padding: 30px;          background-color: rgba(0, 0, 0, 0.65);          border-radius: 12px;          box-shadow: 0 0 15px rgba(0, 0, 0, 0.5);          text-align: center;        }        main h2 {          color: #ffd700;          text-shadow: 1px 1px 3px #000;          margin-bottom: 10px;        }        input[type="text"],        input[type="password"] {          width: 80%;          padding: 12px;          font-size: 1em;          border: none;          border-radius: 8px;          margin-bottom: 20px;          background-color: #fff;          color: #000;          box-shadow: 0 0 5px #ffd700;          transition: box-shadow 0.3s ease, transform 0.2s ease;        }        input[type="text"]:hover,        input[type="password"]:hover {          box-shadow: 0 0 10px #fffacd;          transform: scale(1.03);        }        input[type="submit"] {          background-color: #ffd700;          color: #000;          padding: 12px 25px;          border: none;          border-radius: 10px;          font-size: 1.2em;          font-weight: bold;          cursor: pointer;          transition: background-color 0.3s ease, transform 0.3s ease,            box-shadow 0.3s ease;        }        input[type="submit"]:hover {          background-color: #fffacd;          transform: scale(1.08);          box-shadow: 0 0 15px #ffd700;        }        footer {          text-align: center;          font-size: 0.85em;          padding: 20px;          background-color: rgba(0, 0, 0, 0.85);          color: #bbb;          border-top: 2px solid #ffd700;        }        #popupModal {          display: none;          position: fixed;          top: 0;          left: 0;          width: 100vw;          height: 100vh;          background: rgba(0, 0, 0, 0.6);          z-index: 9999;          align-items: center;          justify-content: center;        }        #popupModal .popup-content {          background: #fff;          color: #222;          padding: 30px 40px;          border-radius: 16px;          box-shadow: 0 0 20px #ffd700;          text-align: center;          min-width: 260px;          max-width: 90vw;        }          #popupModal button {          background: #ffd700;          color: #222;          border: none;          border-radius: 8px;          padding: 10px 24px;          font-size: 1em;          font-weight: bold;          cursor: pointer;        }      </style>    </head>    <body>      <header>        <a href="Home.html">          <img src="shiksha\_logo-removebg-preview.png" alt="Shiksha Logo" />        </a>        <nav>          <a href="Home.html">HOME</a>          <a href="USER REGISTRATION.html">USER REGISTRATION</a>          <a href="FACULTY DETAILS.html">FACULTY DETAILS</a>          <a href="PLACEMENT.HTML">PLACEMENT</a>          <a href="CAREER.HTML">CAREER</a>          <a href="EVENTS.HTML">EVENTS</a>          <a href="NEP 2020.HTML">NEP 2020</a>          <a href="LEADERBOARD.HTML">LEADERBOARD</a>          <a href="ADMISSION.HTML">ADMISSION</a>          <a href="ABOUT US.HTML">ABOUT US</a>          <a href="FAQs.html">FAQs</a>        </nav>      </header>      <main>        <h2>Welcome to Login Portal</h2>        <form          onsubmit="return validateForm()"          action="THANKYOUFOR USERREGISTRATION.HTML"        >          <h2>Username</h2>          <input type="text" placeholder="Enter Your Username" id="n1" />          <h2>Password</h2>          <input type="password" placeholder="Enter Your Password" id="n2" />          <h2>Confirm Password</h2>          <input type="password" placeholder="Confirm Your Password" id="n3" />          <input type="submit" value="Submit Your Data" />        </form>      </main>      <footer>        Trade Marks belong to the respective owners. Copyright © 2025 Info Edge        India Ltd. All rights reserved.      </footer>      <div id="popupModal">        <div class="popup-content">          <span id="popupMessage" style="font-size: 1.15em"></span><br /><br />          <button onclick="closePopup()">OK</button>        </div>      </div>      <script>        function showPopup(message) {          document.getElementById("popupMessage").textContent = message;          document.getElementById("popupModal").style.display = "flex";        }        function closePopup() {          document.getElementById("popupModal").style.display = "none";        }        function validateForm() {          const username = document.getElementById("n1").value.trim();          const password = document.getElementById("n2").value;          const confirmPassword = document.getElementById("n3").value;          if (!username || !password || !confirmPassword) {            showPopup("All fields are mandatory!");            return false;          }          if (password !== confirmPassword) {            showPopup("Passwords do not match!");            return false;          }          return true;        }      </script>    </body>  </html>   1. **ABOUT US :**   <!DOCTYPE html>  <html lang="en">    <head>      <meta charset="UTF-8" />      <meta name="viewport" content="width=device-width, initial-scale=1.0" />      <title>ABOUT US</title>      <style>        \* {          box-sizing: border-box;        }        html,        body {          margin: 0;          padding: 0;          font-family: "Segoe UI", Tahoma, Geneva, Verdana, sans-serif;          color: #fff;          background-color: #0b1a2b;        }        header {          display: flex;          align-items: center;          justify-content: space-between;          background-color: rgba(0, 0, 0, 0.85);          padding: 10px 30px;          border-bottom: 3px solid #ffd700;          flex-wrap: wrap;        }        header a img {          height: 50px;          transition: transform 0.3s ease;        }        header a img:hover {          transform: scale(1.1);        }        nav {          display: flex;          flex-wrap: wrap;          gap: 15px;        }        nav a {          color: #fff;          text-decoration: none;          font-weight: bold;          font-size: 0.95em;          padding: 6px 10px;          border-radius: 5px;          transition: background-color 0.3s ease, color 0.3s ease;        }        nav a:hover {          background-color: #ffd700;          color: #0b1a2b;        }        main {          max-width: 900px;          margin: 50px auto;          padding: 40px;          background-color: rgba(0, 0, 0, 0.6);          border-radius: 10px;          box-shadow: 0 0 20px rgba(0, 0, 0, 0.4);        }        h1 {          text-align: center;          color: #ffd700;          text-shadow: 2px 2px 4px #000;          margin-bottom: 20px;        }        h2 {          color: #f5f5b5;          margin-top: 30px;        }        p {          font-size: 1.1em;          line-height: 1.6;          color: #fffacd;        }        a {          color: #ffd700;          text-decoration: none;        }        a:hover {          text-decoration: underline;          color: #fffacd;        }        iframe {          width: 100%;          border: none;          border-radius: 10px;          box-shadow: 0 0 10px #000;          margin-top: 20px;        }        footer {          text-align: center;          font-size: 0.9em;          padding: 20px;          background-color: rgba(0, 0, 0, 0.85);          color: #ccc;          border-top: 2px solid #ffd700;          margin-top: 60px;        }      </style>    </head>    <body>      <div class="background"></div>      <header>        <a href="Home.html">          <img src="shiksha\_logo-removebg-preview.png" alt="Shiksha Logo" />        </a>        <nav>          <a href="Home.html">HOME</a>          <a href="USER REGISTRATION.html">USER REGISTRATION</a>          <a href="FACULTY DETAILS.html">FACULTY DETAILS</a>          <a href="PLACEMENT.HTML">PLACEMENT</a>          <a href="CAREER.HTML">CAREER</a>          <a href="EVENTS.HTML">EVENTS</a>          <a href="NEP 2020.HTML">NEP 2020</a>          <a href="LEADERBOARD.HTML">LEADERBOARD</a>          <a href="ADMISSION.HTML">ADMISSION</a>          <a href="ABOUT US.HTML">ABOUT US</a>          <a href="FAQs.html">FAQs</a>        </nav>      </header>      <main>        <h1>ABOUT US</h1>        <p>          Welcome to <strong>Shiksha</strong> – your trusted School and College          Management System. We are a digital platform designed to simplify and          strengthen communication between students, faculty, and administrators.          We bring everything into one smart, accessible system.        </p>        <h2>OUR MISSION</h2>        <p>          To empower educational institutions with easy-to-use tools that improve          learning, administration, and academic success.        </p>        <h2>CONTACT INFORMATION</h2>        <p>          Email:          <a            href="https://mail.google.com/mail/?view=cm&fs=1&to=24DCS035@charusat.edu.in"            target="\_blank"          >            24DCS035@charusat.edu.in          </a>        </p>        <h2>LOCATION</h2>        <p>Find us on Google Maps:</p>        <iframe          src="https://www.google.com/maps/embed?pb=!1m18!1m12!1m3!1d3671.583802023272!2d72.57136221543362!3d23.02250598496046!2m3!1f0!2f0!3f0!3m2!1i1024!2i768!4f13.1!3m3!1m2!1s0x395e84a092ed5b3b%3A0xe3f2bb3b78f4a2d6!2sAhmedabad%2C%20Gujarat!5e0!3m2!1sen!2sin!4v1688199936336!5m2!1sen!2sin"          height="250"          loading="lazy"          referrerpolicy="no-referrer-when-downgrade"        >        </iframe>        <h2>SOCIAL MEDIA</h2>        <p>          <a href="https://www.instagram.com/virat.kohli" target="\_blank"            >Instagram</a          >          |          <a href="https://x.com/imvkohli" target="\_blank">X (Twitter)</a>        </p>      </main>      <footer>        Trade Marks belong to the respective owners. Copyright © 2025 Info Edge        India Ltd. All rights reserved.      </footer>    </body>  </html>  **OUTPUT:**   1. **HOME :**        1. **USER REGISTRATION :**          1. **ABOUT US :**         **CONCLUSION:**  This lab task enables students to design and implement fully responsive web pages using HTML5, CSS3, and modern layout techniques like Flexbox and Grid. The focus on home, about, and registration pages ensures that students understand both structural layout and adaptive design principles. |