**CHAROTAR UNIVERSITY OF SCIENCE & TECHNOLOGY DEVANG PATEL INSTITUTE OF ADVANCE TECHNOLOGY & RESEARCH**

Department of Computer Engineering

Subject Name: Web Development Framework Semester: III

Subject Code: ITEU204 Academic year: 2025-26 [ODD]

Practical File

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| **No.** | **Aim of the Practical** |
| 1. | Problem Definition: Create dynamic content such as collapsible FAQs, popups, and sliders in portal pages.  **PROGRAM CODE (Times New Roman:14) :**  **1.TRAINER HTML**  <!DOCTYPE html>  <html lang="en">  <head>      <meta charset="UTF-8" />      <meta name="viewport" content="width=device-width, initial-scale=1" />      <title>Our Trainers - FitZone Gym</title>      <link rel="stylesheet" href="style.css">  </head>  <body>    <div id="popupBanner" style="display:none; position:fixed; top:24px; left:50%; transform:translateX(-50%); background:#009e7f; color:#fff; padding:18px 32px; border-radius:8px; box-shadow:0 2px 12px rgba(0,0,0,0.12); z-index:1000; font-size:1.1rem;">      <span>Welcome to the Trainers page! Check out our new FAQ section below.</span>      <button id="closePopup" style="margin-left:24px; background:#fff; color:#009e7f; border:none; border-radius:4px; padding:4px 12px; cursor:pointer; font-weight:bold;">X</button>    </div>    <div class="top-bar">      <h1><span class="fitzone-logo">🏋️</span>FitZone</h1>      <div class="auth-buttons">        <a href="login.html" class="btn">Login</a>        <a href="newmember.html" class="btn">Register</a>      </div>    </div>    <nav class="navbar">      <a href="index.html">Home</a>      <a href="aboutus.html">About Us</a>      <a href="services.html">Services</a>      <a href="trainers.html" class="active">Trainers</a>      <a href="schedule.html">Schedule</a>      <a href="gallery.html">Gallery</a>      <a href="membership.html">Membership</a>      <a href="testimonials.html">Testimonials</a>      <a href="faq.html">FAQ</a>      <a href="contact.html">Contact</a>    </nav>    <div class="trainer-header">      <h1><span class="fitness-icon">💪</span>Meet Our Trainers</h1>      <div class="section-divider"></div>      <p>Our certified and passionate fitness professionals are here to guide you on your journey to health and strength.</p>    </div>    <div class="trainer-list">      <div class="trainer-card">        <h2>Hit Goyani</h2>        <div class="specialization">Strength & Conditioning</div>        <p>With over 8 years of experience, Hit helps clients build muscle and improve performance with science-backed methods.</p>      </div>      <div class="trainer-card">        <h2>Dhruv Gajera</h2>        <div class="specialization">Yoga & Flexibility</div>        <p>Certified yoga instructor with a calm and motivating presence. Focuses on mindfulness, mobility, and balance.</p>      </div>      <div class="trainer-card">        <h2>Abhi Patel</h2>        <div class="specialization">Cardio & Weight Loss</div>        <p>Energetic trainer known for high-intensity fat-burning workouts and customized cardio plans.</p>      </div>      <div class="trainer-card">        <h2>Dev Savani</h2>        <div class="specialization">Zumba & Group Fitness</div>        <p>Dance your way to fitness with Dev's fun and powerful Zumba sessions. Perfect for all levels!</p>      </div>    </div>    <div class="container" style="max-width:500px; margin:40px auto 0 auto;">      <h2 style="text-align:center; color:#009e7f;">Contact a Trainer</h2>      <form id="trainerContactForm" novalidate>        <label for="contactName">Your Name:</label>        <input type="text" id="contactName" name="contactName" placeholder="Enter your name" required minlength="2">        <div class="error" id="contactNameError"></div>        <label for="contactEmail">Your Email:</label>        <input type="email" id="contactEmail" name="contactEmail" placeholder="Enter your email" required>        <div class="error" id="contactEmailError"></div>        <label for="contactMessage">Message:</label>        <textarea id="contactMessage" name="contactMessage" placeholder="Type your message" rows="4" required minlength="5"></textarea>        <div class="error" id="contactMessageError"></div>        <button type="submit">Send Message</button>      </form>    </div>    <footer>      <p>&copy; 2025 FitZone Gym. All rights reserved.</p>    </footer>    <div class="container" style="max-width:600px; margin:40px auto 40px auto;">      <h2 style="text-align:center; color:#009e7f;">Trainer FAQs</h2>      <div class="faq-list">        <div class="faq-item">          <button class="faq-question">What qualifications do your trainers have?</button>          <div class="faq-answer" style="display:none;">All our trainers are certified professionals with years of experience in their respective fields.</div>        </div>        <div class="faq-item">          <button class="faq-question">Can I choose my own trainer?</button>          <div class="faq-answer" style="display:none;">Yes, you can request a specific trainer based on your fitness goals and preferences.</div>        </div>        <div class="faq-item">          <button class="faq-question">Do trainers provide diet plans?</button>          <div class="faq-answer" style="display:none;">Many of our trainers offer basic nutrition guidance and can connect you with our in-house nutritionist for a detailed plan.</div>        </div>      </div>    </div>    <script src="trainers.js"></script>  </body>  </html>  **2.trainer js**  document.addEventListener('DOMContentLoaded', function() {    const form = document.getElementById('trainerContactForm');    if (form) {      form.addEventListener('submit', function(event) {        let valid = true;        const name = document.getElementById('contactName').value.trim();        const email = document.getElementById('contactEmail').value.trim();        const message = document.getElementById('contactMessage').value.trim();        if (name.length < 2) {          document.getElementById('contactNameError').textContent = 'Please enter at least 2 characters.';          valid = false;        } else {          document.getElementById('contactNameError').textContent = '';        }        if (!/^\S+@\S+\.\S+$/.test(email)) {          document.getElementById('contactEmailError').textContent = 'Please enter a valid email address.';          valid = false;        } else {          document.getElementById('contactEmailError').textContent = '';        }        if (message.length < 5) {          document.getElementById('contactMessageError').textContent = 'Message must be at least 5 characters.';          valid = false;        } else {          document.getElementById('contactMessageError').textContent = '';        }        if (!valid) event.preventDefault();      });    }    const faqQuestions = document.querySelectorAll('.faq-question');    faqQuestions.forEach(function(btn) {      btn.addEventListener('click', function() {        const answer = this.nextElementSibling;        if (answer.style.display === 'block') {          answer.style.display = 'none';        } else {          document.querySelectorAll('.faq-answer').forEach(function(a) {            a.style.display = 'none';          });          answer.style.display = 'block';        }      });    });    const popup = document.getElementById('popupBanner');    const closeBtn = document.getElementById('closePopup');    if (popup && closeBtn) {      setTimeout(function() {        popup.style.display = 'block';      }, 800);      closeBtn.addEventListener('click', function() {        popup.style.display = 'none';      });    }  });  **OUTPUT:**        **CONCLUSION:**  By completing this task, I learned how to use JavaScript to make web pages interactive and user-friendly. I practiced selecting and manipulating DOM elements, handling events like clicks and form submissions, and dynamically showing or hiding content such as FAQ answers and popup banners. This experience helped me understand how interactivity can improve usability and engagement on a website. I also saw the importance of keeping JavaScript in a separate file for better organization and maintainability. Overall, this practical strengthened my skills in building dynamic, modern web interfaces.  Times New Roman: for content Line space: 1.15/1.5 |