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| --- | --- | --- |
| NAME | : | MUHAMMAD ZIKRI BIN KASHIM |
| MATRIC NO | : | B032320063 |
| SECTION | : | S1G2 |
| PROGRAMME | : | BITS |
| SUBJECT | : | WEB APPLICATION DEVELOPMENT |

# **PROBLEM SOLVING EXERCISE**

**The Link:**

<https://raw.githack.com/zikrimzk/evp-system-html/refs/heads/main/index.html>

**The Code:**

|  |
| --- |
| index.html |
| <!DOCTYPE html>  <html lang="en">  <head>      <meta charset="UTF-8">      <meta name="viewport" content="width=device-width, initial-scale=1.0">      <title>EVP - Event Planner</title>      <link rel="stylesheet" href="styles.css">  </head>  <body>      <header>          <button id="menu-toggle" aria-label="Toggle menu">&#9776;</button>      </header>      <nav id="sidebar">          <div class="nav-header">              <h2>EVP System</h2>              <button id="close-nav" aria-label="Close menu">&times;</button>          </div>          <ul>              <li><a href="javascript:void(0)" id="homepage">Home</a></li>              <li><a href="javascript:void(0)" id="manage-event-page">Manage Event</a></li>          </ul>      </nav>      <div class="main-container">          <section id="homepage-section">              <div class="card">                  <div class="card-header">                      <h4>Welcome to EVP System</h4>                  </div>                  <div class="card-body">                      <p style="margin-bottom: 10px;">Easily manage your events like birthdays, weddings, and corporate                          functions.</p>                      <p>Click on the <strong>“Manage Event”</strong> to get started.</p>                      <hr>                      <p>Name : <strong>Muhammad Zikri Bin Kashim</strong></p>                      <p>Matric No : <strong>B032320063</strong></p>                      <p>Programme/Section : <strong>BITS / S1G2</strong></p>                  </div>              </div>          </section>          <section id="manage-event-section">              <div class="card" id="manage-event-form">                  <div class="card-header">                      <h4>Manage Event</h4>                  </div>                  <div class="card-body">                      <input type="text" id="event-name" class="form-control" placeholder="Event Name">                      <input type="text" id="event-venue" class="form-control" placeholder="Event Venue">                      <div class="form-row">                          <div>                              <input type="date" id="event-date" class="form-control" placeholder="Date">                          </div>                          <div>                              <input type="time" id="event-start-time" class="form-control" placeholder="Start Time">                          </div>                          <div>                              <input type="time" id="event-end-time" class="form-control" placeholder="End Time">                          </div>                      </div>                  </div>                  <div class="card-footer" style="margin-top: 10px;">                      <button class="btn btn-reset" onclick="resetForm()">Reset</button>                      <button class="btn btn-add" onclick="addEvent()">Add Event</button>                  </div>              </div>              <div id="event-list"></div>          </section>      </div>      <script type="text/javascript" src="myscript.js"></script>  </body>  </html> |
| styles.css |
| \* {    margin: 0;    padding: 0;    box-sizing: border-box;  }  body {    font-family: system-ui, -apple-system, BlinkMacSystemFont, "Segoe UI", Roboto,      Oxygen, Ubuntu, Cantarell, "Open Sans", "Helvetica Neue", sans-serif;    background-color: #f8f9fa;    color: #333;  }  /\* Header \*/  header {    background-color: #666666;    height: 60px;    position: fixed;    top: 0;    left: 0;    right: 0;    z-index: 1000;    display: flex;    align-items: center;    padding: 0 20px;    box-shadow: 0 2px 5px rgba(0, 0, 0, 0.2);  }  #menu-toggle {    font-size: 1.6rem;    color: white;    background: none;    border: none;    cursor: pointer;    display: none;  }  /\* Sidebar \*/  nav#sidebar {    background-color: #1f2020;    width: 220px;    min-height: 100vh;    position: fixed;    top: 0;    left: 0;    transition: transform 0.3s ease;    box-shadow: 2px 0 8px rgba(0, 0, 0, 0.15);    color: white;    z-index: 1001;    display: flex;    flex-direction: column;  }  nav#sidebar {    transform: translateX(-100%);  }  nav#sidebar.active {    transform: translateX(0);  }  /\* Navigation Header \*/  .nav-header {    display: flex;    justify-content: space-between;    align-items: center;    padding: 16px;    border-bottom: 1px solid rgba(255, 255, 255, 0.2);  }  nav h2 {    margin: 0;    font-size: 1.3rem;    font-weight: 600;  }  #close-nav {    font-size: 1.5rem;    color: white;    background: none;    border: none;    cursor: pointer;    display: none;  }  /\* Nav Links \*/  nav ul {    list-style: none;    padding: 0;    margin: 0;  }  nav ul li a {    display: block;    color: white;    padding: 14px 24px;    text-decoration: none;    font-size: 1rem;    transition: background-color 0.3s ease;  }  nav ul li a:hover {    background-color: #003366;  }  /\* Main Content \*/  .main-container {    padding: 80px 20px 20px;    transition: margin-left 0.3s ease;    margin-left: 0;  }  /\* Card \*/  .card {    background: white;    padding: 0;    margin-bottom: 25px;    box-shadow: 0 4px 12px rgba(0, 0, 0, 0.06);    border-radius: 12px;    overflow: hidden;    transition: box-shadow 0.3s ease;  }  .card:hover {    box-shadow: 0 6px 18px rgba(0, 0, 0, 0.08);  }  .card-header {    background-color: #1f2020;    padding: 20px 24px;    border-bottom: 1px solid #e0e0e0;    display: flex;    flex-direction: column;    gap: 6px;  }  .card-header h4 {    margin: 0;    color: #ffffff;    font-size: 1.25rem;    font-weight: 600;  }  .card-header p {    margin: 0;    color: #efefef;    font-size: 0.95rem;  }  .card-body {    padding: 24px;    background-color: #ffffff;    display: flex;    flex-direction: column;    gap: 15px;  }  .card-body input.form-control {    border-radius: 8px;    padding: 12px;    font-size: 0.95rem;    border: 1px solid #ccc;    transition: border 0.3s ease;  }  .card-body input.form-control:focus {    border-color: #007bff;    outline: none;  }  .card-body .btn-add {    align-self: flex-start;  }  .card-footer {    display: flex;    justify-content: flex-end;    gap: 10px;    padding: 16px 24px;    border-top: 1px solid #e0e0e0;    background-color: #f8f9fa;    border-bottom-left-radius: 12px;    border-bottom-right-radius: 12px;  }  /\* Buttons \*/  .btn {    padding: 12px 20px;    border: none;    border-radius: 8px;    cursor: pointer;    font-weight: 600;    transition: background-color 0.3s ease;  }  .btn-add {    background-color: #28a745;    color: white;  }  .btn-add:hover {    background-color: #218838;  }  .btn-reset {    background-color: #6c757d;    color: white;  }  .btn-reset:hover {    background-color: #5a6268;  }  .btn-delete {    margin-top: 10px;    align-self: flex-start;    padding: 8px 16px;    font-size: 0.9rem;    background-color: #e53935;    color: #fff;    border: none;    border-radius: 8px;    cursor: pointer;    transition: background-color 0.3s ease;  }  .btn-delete:hover {    background-color: #c62828;  }  /\* Form \*/  .form-label {    display: block;    margin-bottom: 6px;    font-weight: 600;  }  .form-control {    width: 100%;    padding: 12px 14px;    margin-bottom: 15px;    border: 1px solid #ccc;    border-radius: 8px;    transition: border 0.3s ease;  }  .form-control:focus {    border-color: #007bff;    outline: none;  }  .form-row {    display: flex;    flex-wrap: wrap;    gap: 20px;  }  .form-row > div {    flex: 1;    min-width: 150px;  }  /\* Activity Timeline \*/  .activity-list {    margin-top: 15px;    display: flex;    flex-direction: column;    gap: 10px;  }  .timeline-card {    display: flex;    align-items: center;    justify-content: space-between;    background-color: #ffffff;    padding: 15px 20px;    border-radius: 8px;    border-left: 5px solid #666666;    box-shadow: 0 2px 8px rgba(0, 0, 0, 0.05);    transition: background-color 0.3s ease;  }  .timeline-card:hover {    background-color: #f8f9fa;  }  .timeline-time {    font-weight: bold;    color: #007bff;    width: 80px;    flex-shrink: 0;  }  .timeline-details {    flex: 1;    padding: 0 10px;  }  .timeline-title {    font-size: 16px;    color: #333;  }  .timeline-delete-btn {    background-color: transparent;    border: none;    color: #dc3545;    font-size: 18px;    cursor: pointer;    padding: 4px 8px;    border-radius: 4px;    transition: background-color 0.2s ease;  }  .timeline-delete-btn:hover {    background-color: rgba(220, 53, 69, 0.1);  }  #manage-event-section {    display: none;  }  .checkbox {    width: 18px;    height: 18px;    accent-color: #0055a5;    margin-right: 10px;    cursor: pointer;  }  .status {    font-weight: bold;    color: #f0ad4e;  }  .status.completed {    color: #5cb85c;  }  .status.upcoming {    color: #f0ad4e;  }  @media (min-width: 768px) {    nav#sidebar {      transform: translateX(0);    }    #menu-toggle,    #close-nav {      display: none;    }    .main-container {      margin-left: 220px;      padding-top: 80px;    }  }  @media (max-width: 768px) {    #menu-toggle {      display: block;    }    #close-nav {      display: block;    }    body.nav-open {      overflow: hidden;    }    .form-row {      flex-direction: column;    }  } |
| myscript.js |
| const homepageSection = document.getElementById('homepage-section');  const manageEventSection = document.getElementById('manage-event-section');  const homepageLink = document.getElementById('homepage');  const manageEventLink = document.getElementById('manage-event-page');  const eventList = document.getElementById('event-list');  const toggleBtn = document.getElementById('menu-toggle');  const closeBtn = document.getElementById('close-nav');  const nav = document.getElementById('sidebar');  const body = document.body;  toggleBtn.addEventListener('click', () => {      nav.classList.add('active');      body.classList.add('nav-open');  });  closeBtn.addEventListener('click', () => {      nav.classList.remove('active');      body.classList.remove('nav-open');  });  homepageLink.addEventListener('click', () => {      homepageSection.style.display = 'block';      manageEventSection.style.display = 'none';  });  manageEventLink.addEventListener('click', () => {      homepageSection.style.display = 'none';      manageEventSection.style.display = 'block';  });  function resetForm() {      document.getElementById('event-name').value = '';      document.getElementById('event-venue').value = '';      document.getElementById('event-date').value = '';      document.getElementById('event-start-time').value = '';      document.getElementById('event-end-time').value = '';  }  function addEvent() {      const name = document.getElementById('event-name').value;      const venue = document.getElementById('event-venue').value;      const date = document.getElementById('event-date').value;      const startTime = document.getElementById('event-start-time').value;      const endTime = document.getElementById('event-end-time').value;      if (!name || !venue || !date || !startTime || !endTime)          return alert("Please fill in all fields !");      const formattedDate = new Date(date).toLocaleDateString('en-GB');      const formattedStartTime = formatTime(startTime);      const formattedEndTime = formatTime(endTime);      const eventCard = document.createElement('div');      eventCard.className = 'card';      eventCard.innerHTML = `                  <div class="card-header">                      <input type="checkbox" class="checkbox status-checkbox" onchange="handleStatusChange(this)">                      <h4>${name}</h4>                      <p>${venue} | ${formattedDate} | ${formattedStartTime} - ${formattedEndTime}</p>                      <p>Status : <span class="status upcoming">Upcoming</span></p>                      <button class="btn btn-delete" onclick="this.closest('.card').remove()">Delete Event</button>                  </div>                  <div class="card-body">                      <input type="text" class="form-control" placeholder="Activity Name">                      <input type="time" class="form-control" placeholder="Activity Time">                      <button class="btn btn-add" onclick="addActivity(this)">Add Activity</button>                      <div class="activity-list"></div>                  </div>              `;      eventList.appendChild(eventCard);      resetForm();  }  function handleStatusChange(checkbox) {      const card = checkbox.closest('.card');      const statusSpan = card.querySelector('.status');      const activitySection = card.querySelector('.card-body');      if (checkbox.checked) {          const confirmComplete = confirm("Are you sure you want to mark this event as completed?");          if (confirmComplete) {              statusSpan.textContent = "Completed";              statusSpan.classList.add("completed");              statusSpan.classList.remove("upcoming");              activitySection.style.display = "none";          } else {              checkbox.checked = false;          }      } else {          statusSpan.textContent = "Upcoming";          statusSpan.classList.remove("completed");          statusSpan.classList.add("upcoming");          activitySection.style.display = "block";      }  }  function formatTime(timeStr) {      const [hour, minute] = timeStr.split(':').map(Number);      const ampm = hour >= 12 ? 'PM' : 'AM';      const adjustedHour = hour % 12 || 12;      return `${adjustedHour.toString().padStart(2, '0')}:${minute.toString().padStart(2, '0')} ${ampm}`;  }  function addActivity(button) {      const cardBody = button.closest('.card-body');      const nameInput = cardBody.querySelector('input[type="text"]');      const timeInput = cardBody.querySelector('input[type="time"]');      const activityList = cardBody.querySelector('.activity-list');      const name = nameInput.value.trim();      const time = timeInput.value;      if (!name || !time) return alert("Please fill in activity name and time");      const timeline = document.createElement('div');      timeline.className = 'timeline-card';      timeline.innerHTML = `                  <div class="timeline-time">${formatTime(time)}</div>                  <div class="timeline-details">                      <div class="timeline-title">${name}</div>                  </div>                  <button class="timeline-delete-btn" onclick="this.closest('.timeline-card').remove()" title="Delete Activity">                      &#10005;                  </button>              `;      activityList.appendChild(timeline);      nameInput.value = '';      timeInput.value = '';  } |

**The Result:**







