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MATRIC NO : B032320063
SECTION : S1G2
PROGRAMME : BITS
SUBJECT : WEB APPLICATION DEVELOPMENT

PROBLEM SOLVING EXERCISE

The Link:

<https://raw.githubusercontent.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>
    </section>

```

```

        </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:

The image displays two screenshots of a web application titled "EVP System".

Top Screenshot: Manage Event

- Header:** EVP System
- Left Sidebar:** Home, Manage Event
- Form Fields:**
 - Event Name
 - Event Venue
 - dd/mm/yyyy (with calendar icon)
 - :--:-- (with clock icon)
 - :--:-- (with clock icon)
- Buttons:** Reset, Add Event
- Event List:**
 - Kazimah Wedding**
 - MITC, MELAKA | 30/05/2025 | 12:30 PM - 06:30 PM
 - Status: **Upcoming**
 - Delete Event

Bottom Screenshot: Welcome to EVP System

- Header:** EVP System
- Left Sidebar:** Home, Manage Event
- Content Area:**
 - Welcome to EVP System**
 - Easily manage your events like birthdays, weddings, and corporate functions.
 - Click on the "Manage Event" to get started.
 - Name : **Muhammad Zikri Bin Kashim**
 - Matric No : **B032320063**
 - Programme/Section : **BITS / S1G2**

EVP System

Home

Manage Event

☐

Kazimah Wedding

MITC MELAKA | 30/05/2025 | 12:30 PM - 06:30 PM

Status : **Upcoming**

Delete Event

Activity Name

--|-- --

Add Activity

12:30 PM

Persiapan Dewan

×

01:00 PM

Ketibaan pengantin lelaki

×

01:15 PM

Ketibaan pengantin perempuan

×

EVP System

Home

Manage Event

☐

Nikah

Taman Akasia (Melaka) | 30/05/2025 | 09:30 AM - 11:30 AM

Status : **Completed**

Delete Event

Activity Name

--|-- --

Add Activity

12:30 PM

Persiapan Dewan

×

01:00 PM

Ketibaan pengantin lelaki

×

01:15 PM

Ketibaan pengantin perempuan

×

