1. Create the HTML5 Base Template

Objective: Use proper document structure and semantic tags.

html

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```
<!DOCTYPE html>

<html lang="en">

<head>

  <meta charset="UTF-8">

  <title>Community Event Portal</title>

</head>

<body>

  <!-- Navigation -->

  <nav>

    <!-- links go here -->

  </nav>


  <!-- Main -->

  <main>

    <!-- content goes here -->

  </main>


  <!-- Footer -->

  <footer>

    <!-- footer content -->

  </footer>

</body>

</html>
```

- Save as index.html

- Open in Chrome
- Use DevTools > Elements tab to inspect structure

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2. Navigation and Linking

html

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```
<nav>
 <a href="#home">Home</a>
 <a href="#events">Events</a>
 <a href="#contact">Contact</a>
 <a href="help.html" target="_blank">Help</a>
</nav>


<section id="home">...</section>
<section id="events">...</section>
<section id="contact">...</section>
```

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3. Welcome Message with Styling and ID/Class

html

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```
<div id="welcomeBanner" style="background-color: lightblue;">
  Welcome to the Event Portal!
</div>


<p>
  <span style="color: red; font-weight: bold;">Limited Time Offer!</span>
</p>
```

<p class="highlight">Register before Friday to receive a discount.</p>

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4. Image Gallery for Community Events

html

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```
<table>
  <caption>Gallery of Past Events</caption>
  <tr>
    <td><img src="img1.jpg" alt="Food Festival" title="Food Festival" class="gallery-img"></td>
    <td><img src="img2.jpg" alt="Music Night" title="Music Night" class="gallery-img"></td>
    <td><img src="img3.jpg" alt="Charity Drive" title="Charity Drive" class="gallery-img"></td>
  </tr>
  <tr>
    <td><img src="img4.jpg" alt="Clean-up Day" title="Clean-up Day" class="gallery-img"></td>
    <td><img src="img5.jpg" alt="Sports Meet" title="Sports Meet" class="gallery-img"></td>
    <td><img src="img6.jpg" alt="Tech Fair" title="Tech Fair" class="gallery-img"></td>
  </tr>
</table>
```

css

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```
.gallery-img {
  border: 2px solid #444;
  width: 100px;
  height: 100px;
}
```

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5. Event Registration Form

html

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```
<form>
  <input type="text" name="name" placeholder="Your Name" required autofocus>
  <input type="email" name="email" placeholder="Your Email" required>
  <input type="date" name="eventDate" required>
  <select name="eventType" required>
    <option value="">Select Event</option>
    <option value="music">Music Night</option>
    <option value="tech">Tech Fair</option>
  </select>
  <textarea name="message" placeholder="Any message?"></textarea>
  <button type="submit" onclick="document.getElementById('confirm').value='Submitted successfully!'">Register</button>
  <output id="confirm"></output>
</form>
```

---

6. Event Feedback with Events Handling

html

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```
<input type="tel" id="phone" onblur="validatePhone()" placeholder="Phone Number">


<select onchange="displayFee(this.value)">
  <option value="free">Free Event</option>
  <option value="50">Paid Event - $50</option>
</select>
```

```html
<button onclick="alert('Thank you for your feedback!')">Submit</button>
```

```html
<img src="event.jpg" ondblclick="this.style.width='400px'">
```

```html
<textarea onkeyup="countChars(this)" placeholder="Enter feedback..."></textarea>
<p id="charCount"></p>
```

javascript

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```javascript
function countChars(textarea) {
  document.getElementById("charCount").innerText = textarea.value.length + " characters";
}
```

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7. Video Invite with Media Events

html

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```html
<video src="promo.mp4" controls oncanplay="document.getElementById('status').innerText='Video ready to play'"></video>
<p id="status"></p>
```

```html
<script>
  window.onbeforeunload = function() {
    return "You have unsaved changes. Are you sure you want to leave?";
  };
</script>
```

---

8. Saving User Preferences

html

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```html
<select id="eventSelect" onchange="savePreference(this.value)">
  <option value="">Choose Event</option>
  <option value="music">Music</option>
  <option value="tech">Tech</option>
</select>
<button onclick="clearPreferences()">Clear Preferences</button>


<script>
  function savePreference(value) {
    localStorage.setItem('preferredEvent', value);
  }


  window.onload = function() {
    let saved = localStorage.getItem('preferredEvent');
    if (saved) document.getElementById('eventSelect').value = saved;
  };


  function clearPreferences() {
    localStorage.clear();
    sessionStorage.clear();
    alert("Preferences cleared");
  }
</script>
```

9. Geolocation for Event Mapping

html

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```html
<button onclick="getLocation()">Find Nearby Events</button>
```

```html
<p id="location"></p>

<script>
  function getLocation() {
    navigator.geolocation.getCurrentPosition(showPosition, showError, {
      enableHighAccuracy: true,
      timeout: 5000
    });
  }

  function showPosition(pos) {
    document.getElementById("location").innerText =
      `Latitude: ${pos.coords.latitude}, Longitude: ${pos.coords.longitude}`;
  }

  function showError(error) {
    alert("Geolocation error: " + error.message);
  }
</script>
```