College of Engineering
Computer Science & Eng. Dept.
Course: CMP 321L
Programming Languages Lab

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Lab 2: Introduction to Cascading Style Sheets

➢ **Objectives:**
  o Practicing HTML Programming
  o Introduction to CSS

You are expected to build upon the HTML pages you created in the previous lab for both exercises in this lab script.

Exercise 1: Extending the HTML form [3 marks]

Build upon the form you created in the previous lab by incorporating the following requirements.

Requirements:

- Radio Buttons:
    o Add a question: "Is this event open to all students?" with "Yes" and "No" options.
    o Group the radio buttons so **only one option can be selected at a time.**
- Checkboxes:
    o Add a section titled "What type of event is this?" with checkboxes for multiple categories (Workshop, Social, Sports, Academic, Other). Users should be able to select multiple options. (edit)
- Dropdown Menu:
    o Include a dropdown menu labeled "Select the department hosting the event" with the following options: "CEN," "SBA," "CAS", "CAAD", "OSA" and "Other".
- Required Fields:
    o Ensure certain form fields, such as event name and date, are marked as required using the required attribute.
- Date and Time Fields:
    o Add input fields of **type date and time** for the event's date and time.
- Reset Button:
    o Add a "Reset" button at the bottom of the form which clears any data input into the fields.

Exercise 2: Adding CSS to the Page   **[7 marks]**

Apply external CSS to style your webpage and form for a more professional and organized look.

Requirements:
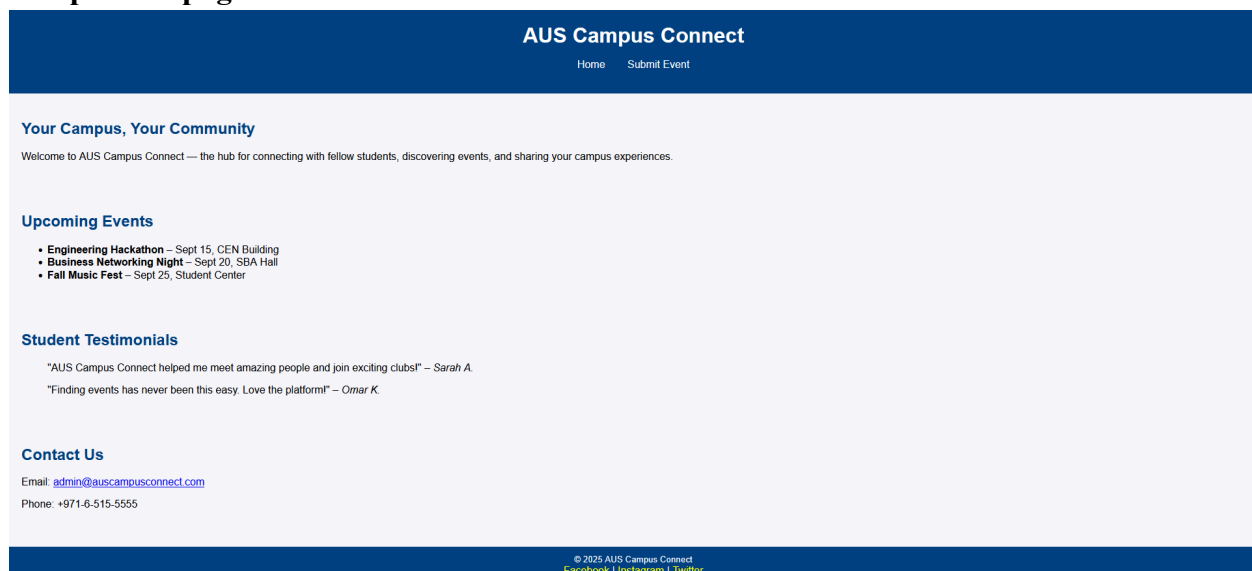- External Style Sheet:
  - Create and link an external CSS file (styles.css) to both HTML pages.
- Background Colors:
  - Set a background color for the entire page and apply contrasting background colors for the header, form, and footer sections.
- Font and Text Styling:
  - Use a custom font-family for the entire webpage.
  - Set different font-size values for the headings (<h1>, <h2>) and form labels.
  - Apply text-align: center; to the main heading.
- Borders and Spacing:
  - Add borders around the form.
  - Use padding inside form fields and margin to space out different form sections.
- Styling for Submit and Reset Buttons:
  - Style the buttons using CSS to make them visually distinct (e.g., different colors, borders, and padding).
- Make sure to use a good mix of element, class and id selectors to assign styles.
- You don't need to apply every type of styling to all sections but there should be a healthy usage across the pages. The overall site needs to look presentable. You may pick a color palette for the site using the links provided in your slides.

Submission:
Upload the following to iLearn:
- A word document containing all the code of both pages and the css stylesheet as well as screenshots of both pages

Sample Webpage:

Index.html:

```html
<!DOCTYPE html>
<html>
    <head>
        <title>AUS Campus Connect</title>
        <link rel="stylesheet" href="styles.css">
    </head>

    <body>
        <header>
        <img src="aus logo pic.webp">
        <H1>AUS Campus Connect</H1>

    <nav>
  <li><a href="index.html">Home</a></li>
  <li><a href="events.html">Submit Event</a></li>
    </nav>
    </header>
        <h2>Your Campus, Your Community</h2>
        <h3>Connecting AUS students through events, stories, and shared
experiences</h3>

        <h2>Upcominggggg Events</h2>

        <ul>
            <li><b>AI Club Hackathon </b>- Sept 3 2025 @Innovation Lab</li>
            <li><b>Business Networking Night</b> - Sept 5 2025 @Main Hall</li>
            <li><strong>Film Society Movie Night</strong> - Sept 8 2025 @Lecture
Hall B</li>
        </ul>
```

```html
                <h2>Student Voices</h2>
                <blockquote><p>"Campus Connect made it so easy to find cool
events and meet people outside my department!" -
                    <em>Layla, Computer Science</em></p></blockquote>
                <blockquote><p>"I submitted my club's event and got over 100
attendees thanks to this platform." -
                    <cite>Omar, Business Club President</cite></p></blockquote>

                <h2>Contact Us</h2>


                    <small><i>Email:<a
href="Email:admin@auscampusconnect.com">admin@auscampusconnect.com</a></i>
                        <br>

                    <i>Office: Student Center, Room 204</i></small>

    </body>

    <footer><small>&copy; 2025 AUS Campus Connect
        <nav>
            <a href="www.instagram.com">Instagram</a> |
            <a href="www.facebook.com">Facebook</a> |
            <a href="www.twitter.com">X (Twitter)</a>

        </nav>
    </small>
    </footer>
</html>
```

Events.html:

```html
<!DOCTYPE html>
<html>

<head>
    <title>AUS Campus Connect - Submit an Event</title>
    <link rel="stylesheet" href="styles.css">
</head>

<body>
    <header>
    <h1>AUS Campus Connect</h1>
    <h2>Submit an Event</h2>
    <nav>
```

```html
  <li><a href="index.html">Home</a></li>
<li><a href="events.html">Submit Event</a></li>
  </nav>
  </header>

  <form action="events.html" method="get">
      <table>
          <tr>
              <td>
                  <label for="my_text">Event Name:*</label>
              </td>
              <td>
                  <input type="Event Name:" id="my_text" name="my_text"
required>
              </td>
          </tr>


          <tr>
              <td>
                  <label for="my_date">Event Date:*</label>
              </td>
              <td>
                  <input type="date" id="my_date" name="my_date" required>
              </td>
          </tr>


          <tr>
              <td>
                  <label for="my_time">Event Time:</label>
              </td>
              <td>
                  <input type="time" id="my_time" name="my_time">
              </td>
          </tr>

          <tr>
              <td>
                  <label for="my_text">Location:</label>
              </td>
              <td>
                  <input type="Location" id="my_text" name="my_text">
              </td>
          </tr>
```

```html
            <tr>
                <td>
                    <label for="comments">Event Description:</label>
                </td>
                <td>
                    <textarea id="comments" name="comments" rows="7" cols="20">
                </textarea>
                </td>
            </tr>


            <tr>
                <td>
                    <label for="my_text">Organizer Name:</label>
                </td>
                <td>
                    <input type="Organizer Name" id="my_text" name="my_text">
                </td>
            </tr>

            <tr>
                <td>
                    <label for="email">Organizer Email:</label>
                </td>
                <td>
                    <input type="Organizer Email" id="email" name="email">
                </td>
            </tr>

            <tr>
                <td>
                    <label for="college">Is this event open to all
students?</label>
                </td>

                <td>
                    <input type="radio" id="option1" name="option1" value="yes">
                    <label for="option1"> Yes</label><br>

                    <input type="radio" id="option2" name="option1" value="no">
                    <label for="option2">No</label><br>
                </td>
            </tr>
```

```html
        <tr>
            <td>
                <label for="college">What type of event is this?</label>
            </td>

            <td>
                <input type="checkbox" id="event1" name="event1"
value="Workshop">
                <label for="event1"> Workshop</label><br>

                <input type="checkbox" id="event2" name="event2"
value="Social">
                <label for="event2"> Social</label><br>

                <input type="checkbox" id="event3" name="event3"
value="Sports">
                <label for="event3">Sports</label><br>

                <input type="checkbox" id="event4" name="event4"
value="Academic">
                <label for="event4">Academic</label><br>

                <input type="checkbox" id="event5" name="event5"
value="Other">
                <label for="event5">Other</label><br>
            </td>
        </tr>


        <tr>
            <td>
                <label for="college">Select the department hosting the
event:</label>
            </td>
            <td>

                <select name="college" id="college">
                    <option value="CEN">CEN</option>
                    <option value="SBA">SBA</option>
                    <option value="CAS">CAS</option>
                    <option value="CAAD">CAAD</option>
                    <option value="OSA">OSA</option>
                    <option value="Other">Other</option>
                </select>
```

```html
                </td>
            </tr>


            <tr>
                <td></td>
                <td>
                    <button id="submit" type ="button">Submit Event</button>
                    <input id="reset" type="reset">
                </td>
            </tr>


        </table>
    </form>
    <nav>
        <p>&larr;<a href="index.html">Back to Home</a></p>


</body>
<footer><small>&copy; 2025 AUS Campus Connect
        <nav>
            <a href="www.instagram.com">Instagram</a> |
            <a href="www.facebook.com">Facebook</a> |
            <a href="www.twitter.com">X (Twitter)</a>

        </nav>

</html>
```

Styles.css:

```css
body  {
    background-color: #ff93bc;
    font-family: "Lucida Console", "Courier New", monospace;
    color: white;

}

header {
    background-color: #f07fb0;
    text-align: center;
}

form {
    background-color: #ffb8e0;
```

```css
    border-radius: 20px;
    border-style: ridge;
    padding: 20px;
    margin: auto;
    max-width: 600px;
}

footer {
    background-color: #e990d0;
    text-align: center;
    margin: 0;
    padding: 20px;

}

h1 {
    font-size: 50px;
    color: white;
}
h2 {
    font-size: 30px;
}

input[type=checkbox] {
  width: 50%;
  font-size:30px;
  padding: 12px;
  margin: 10px 0;
  box-sizing: border-box;
}

input[type=radio] {
  width: 50%;
  padding: 12px;
  margin: 10px 0;
  box-sizing: border-box;
}
#submit{
    color:black;
    background-color: pink;
}

#reset{
      color:black;
    background-color: pink;
```

```
}
```

Screenshot: