College of Engineering
Computer Science & Eng. Dept.
Course: CMP 257 Web Application
Programming (Lab)
Location: ESB-1010

Lab Instructor: Mr. Khaldoon Alhusari
Email: kalhusari@aus.edu

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<u>**Lab 3: Introduction to Bootstrap**</u>

➢ **Objectives:**
  o Introduction to Bootstrap

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

<u>**Exercise 1: Bootstrap**</u>   **[10 marks]**

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

Resources:
 • Include the following links in your HTML files for both pages to include Bootstap 5.3.8 (**Exact version is REQUIRED**) functionality:

<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.8/dist/css/bootstrap.min.css" rel="stylesheet"/>
<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.8/dist/js/bootstrap.bundle.min.js"></script>

 • Use the following links to find the documentation on:
   o Bootstrap Documentation: https://getbootstrap.com/docs/5.3/getting-started/introduction/
   o Carousels: https://getbootstrap.com/docs/5.3/components/carousel/
   o Object Fit: https://getbootstrap.com/docs/5.3/utilities/object-fit/
   o Navbar: https://getbootstrap.com/docs/5.3/components/navbar/
   o Grid: https://getbootstrap.com/docs/5.3/layout/grid/
   o Cards: https://getbootstrap.com/docs/5.3/components/card/
   o Forms: https://getbootstrap.com/docs/5.3/forms/form-control/
 • **HINT**: Read the hints...

Requirements:
 • **Bootstrap Setup:**
   o Include Bootstrap in your project by adding Bootstrap's CDN links for both CSS and JavaScript. This will provide access to Bootstrap's responsive grid system, components, and utility classes.

 • **Responsive Navigation Bar:**

Col-12 (Buttons)

- o **Hint**: Build the grid layout first (as a row *div* containing column *divs*), then fill each column with the appropriate label and input.

- **Form Styling:**
  - o Apply Bootstrap's form-control/form-check/form-select classes to style text inputs, dropdowns, and other form elements. Ensure that each form element looks clean and is uniformly styled.
  - o Apply Bootstrap's form-label/form-check-label classes to style the labels for each form field.
  - o Use Bootstrap's button classes (e.g., btn-primary, btn-danger) to style the form's "Submit" and "Reset" buttons. Make sure these buttons are distinguishable and have hover effects for a polished user experience.

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 Website:

Submit Your Event

Event Name *

Event Date *
dd / mm / yyyy

Event Time
-- : -- --

Location

Brief Description

Organizer Name

Organizer Email

Is this event open to all students?
○ Yes ○ No

What type of event is this?
☐ Workshop ☐ Social ☐ Sports ☐ Academic ☐ Other

Select the department hosting the event
CEN

Submit Reset

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Facebook | Instagram | Twitter

Code:

events.html:

```
<!DOCTYPE html>
<html>

<head>
    <title>AUS Campus Connect - Submit an Event</title>
    <link rel="stylesheet" href="styles.css">
    <link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.8/dist/css/bootstrap.min.css"
rel="stylesheet" />
    <script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.8/dist/js/bootstrap.bundle.min.js
"></script>

</head>

<body>
    <nav class="navbar navbar-expand-lg bg-body-tertiary">
        <div class="container-fluid">
            <h1>AUS Campus Connect</h1>
            <button class="navbar-toggler" type="button" data-bs-
toggle="collapse" data-bs-target="#navbarNavAltMarkup"
                aria-controls="navbarNavAltMarkup" aria-expanded="false" aria-
label="Toggle navigation">
                <span class="navbar-toggler-icon"></span>
            </button>
            <div class="collapse navbar-collapse" id="navbarNavAltMarkup">
```

```html
                    <div class="navbar-nav">
                        <a class="nav-link active" aria-current="page"
href="index.html">Home</a>
                        <a class="nav-link" href="events.html">Submit Event</a>
                    </div>
                </div>
            </div>
        </nav>

<div class="container my-5">
    <form action="events.html" method="get">

        <div class="row g-3">
            <div class="col-md-6">
                <label for="my_text">Event Name:*</label>
                <input type="Event Name:" id="my_text" name="my_text"
class="form-control" required>
            </div>

            <div class="col-md-6">
                <label for="my_date">Event Date:*</label>
                <input type="date" id="my_date" name="my_date" class="form-
control" required>
            </div>
        </div>


        <div class="row g-3">
            <div class="col-md-6">
                <label for="my_time">Event Time:</label>

                <input type="time" id="my_time" name="my_time" class="form-
control">
            </div>

            <div class="col-md-6">
                <label for="my_text" class="form-label">Location:</label>

                <input type="Location" id="my_text" name="my_text" class="form-
control">
            </div>
        </div>

        <div class="row g-3">
            <div class="col-md-12">
```
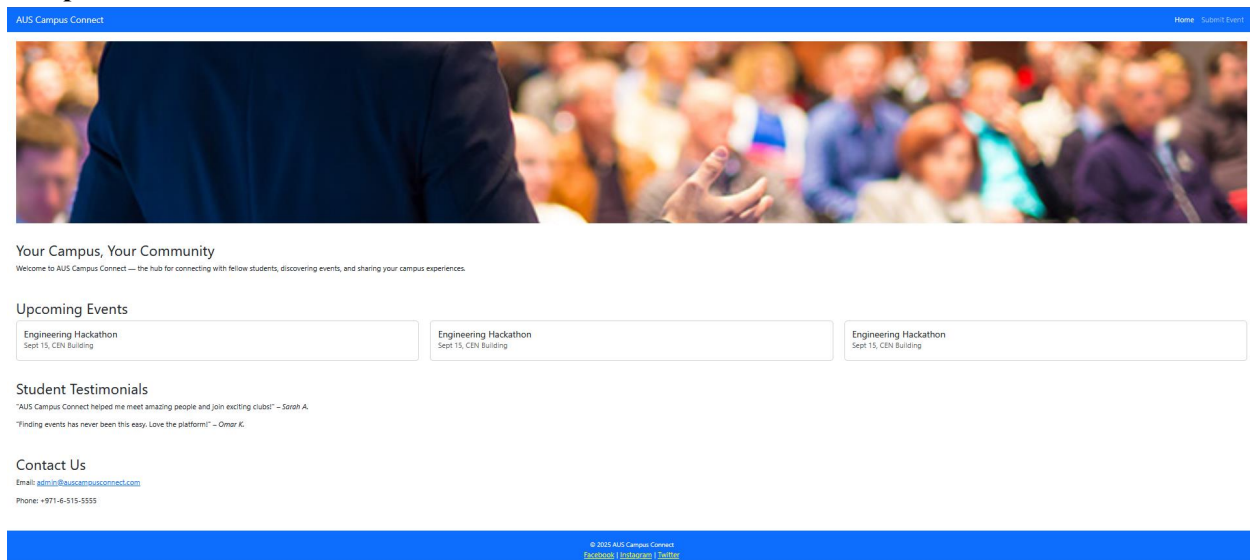
```html
                <label for="comments" class="form-label">Event
Description:</label>
                <textarea id="comments" name="comments" rows="7" cols="20"
class="form-control">
</textarea>
            </div>
        </div>

        <div class="row g-3">
            <div class="col-md-6">
                <label for="my_text">Organizer Name:</label>
                <input type="Organizer Name" id="my_text" name="my_text"
class="form-control">
            </div>


            <div class="col-md-6">
                <label for="email">Organizer Email:</label>
                <input type="Organizer Email" id="email" name="email"
class="form-control">
            </div>
        </div>

        <div class="row g-3">
            <div class="col-md-6">
                <label for="college">Is this event open to all
                    students?</label><br>

                <input type="radio" id="option1" name="option1" value="yes"
class="form-check-input">
                <label for="option1" class="form-check-label">
Yes</label><br>
                <input type="radio" id="option2" name="option1" value="no"
class="form-check-input">
                <label for="option2" class="form-check-label">No</label><br>
            </div>


            <div class="col-md-6">
                <label for="college">What type of event is this?</label><br>

                <input type="checkbox" id="event1" name="event1"
value="Workshop" class="form-check-input">
                <label for="event1" class="form-check-label">
Workshop</label><br>
```

```html
                    <input type="checkbox" id="event2" name="event2"
value="Social" class="form-check-input">
                    <label for="event2" class="form-check-label">
Social</label><br>
                    <input type="checkbox" id="event3" name="event3"
value="Sports" class="form-check-input">
                    <label for="event3" class="form-check-
label">Sports</label><br>
                    <input type="checkbox" id="event4" name="event4"
value="Academic" class="form-check-input">
                    <label for="event4" class="form-check-
label">Academic</label><br>
                    <input type="checkbox" id="event5" name="event5"
value="Other" class="form-check-input">
                    <label for="event5" class="form-check-
label">Other</label><br>
                </div>
            </div>

            <div class="row g-3">
                <div class="col-md-12">
                    <label for="college">What type of event is this?</label>

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

                    <select name="college" id="college" class="form-select">
                        <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>
                </div>

                <div class="row g-3">
                    <div class="col-md-12">
                        <button id="submit" type="button" class="btn btn-
primary">Submit Event </button>
                        <input id="reset" type="reset" class="btn btn-danger">
                        </textarea>
                    </div>
                </div>
</div>
```

```html
</div>




                    <!--
nnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnn--
>



                    <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>
```

index.html:

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

<head>
    <title>AUS Campus Connect</title>
    <link rel="stylesheet" href="styles.css">
    <link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.8/dist/css/bootstrap.min.css"
rel="stylesheet" />
    <script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.8/dist/js/bootstrap.bundle.min.js
"></script>
```

```
</head>

<body>

    <nav class="navbar navbar-expand-lg  custom">
        <div class="container-fluid">
            <h1>AUS Campus Connect</h1>
            <button class="navbar-toggler" type="button" data-bs-
toggle="collapse" data-bs-target="#navbarNavAltMarkup"
                aria-controls="navbarNavAltMarkup" aria-expanded="false" aria-
label="Toggle navigation">
                <span class="navbar-toggler-icon"></span>
            </button>
            <div class="collapse navbar-collapse" id="navbarNavAltMarkup">
                <div class="navbar-nav">
                    <a class="nav-link active" aria-current="page"
href="index.html">Home</a>
                    <a class="nav-link" href="events.html">Submit Event</a>
                </div>
            </div>
        </div>
    </nav>

    <section>
        <div id="carouselExampleSlidesOnly" class="carousel slide" data-bs-
ride="carousel">
            <div class="carousel-inner h-25">
                <div class="carousel-item active " data-bs-interval="2000">
                    <img class="object-fit-cover w-100"
                        src="https://www.aus.edu/sites/default/files/ext/paragrap
hs/img/dr._fadi_aloul_-_photo_-_1.jpg"
                        alt="...">
                </div>
                <div class="carousel-item" data-bs-interval="3000">
                    <img src="https://media-
exp1.licdn.com/dms/image/C4D1BAQErefAHnioGWg/company-
background_10000/0/1601984101906?e=2159024400&v=beta&t=GmY6GPSkUbbIsDEMqhhQOvhu63
CVLjuEETqjRtJcleQ"
                        class="object-fit-cover w-100" alt="...">
                </div>
                <div class="carousel-item" data-bs-interval="3000">
                    <img
src="https://www.aus.edu/sites/default/files/styles/optimized_640/public/news/mai
n_image_0.jpg?itok=rRIleavi"
```

```html
                            class="object-fit-cover w-100" alt="...">
                </div>
            </div>
        </div>
    </section>



    <h2>Your Campus, Your Community</h2>
    <h3>Connecting AUS students through events, stories, and shared
experiences</h3>

    <h4>Upcominggggg Events</h4>

    <div class="container text-center">
        <div class="row">
            <div class="col">
                <div class="card" style="width: 18rem;">
  <div class="card-body">
    <h5 class="card-title">AI Club Hackathon</h5>
    <h6 class="card-subtitle mb-2 text-body-secondary">- Sept 3 2025 @Innovation
Lab</h6>

  </div>
</div>


            </div>
            <div class="col">

                <div class="card" style="width: 18rem;">
  <div class="card-body">
    <h5 class="card-title">Business Networking Night</h5>
    <h6 class="card-subtitle mb-2 text-body-secondary">- Sept 5 2025 @Main
Hall</h6>

  </div>
</div>


            </div>
            <div class="col">

                <div class="card" style="width: 18rem;">
  <div class="card-body">
    <h5 class="card-title">Film Society Movie Night</h5>
```

```html
    <h6 class="card-subtitle mb-2 text-body-secondary"> - Sept 8 2025 @Lecture
Hall B</h6>

  </div>
</div>

          </div>
        </div>
    </div>

    <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
</html>
```

Styles.css:

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

}

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



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

}

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




.custom {

    background-color: #e990d0;
    color: white;
    padding: 5px;

}
```

AUS Campus Connect

Your Campus, Your Community

Connecting AUS students through events, stories, and shared experiences

Upcominggggg Events

AI Club Hackathon
- Sept 3 2025 @Innovation Lab

Business Networking Night
- Sept 5 2025 @Main Hall

Film Society Movie Night
- Sept 8 2025 @Lecture Hall B

Student Voices

"Campus Connect made it so easy to find cool events and meet people outside my department!" - *Layla, Computer Science*

"I submitted my club's event and got over 100 attendees thanks to this platform." - *Omar, Business Club President*

Contact Us

Email:admin@auscampusconnect.com
Office: Student Center, Room 204

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AUS Campus Connect

≡

Event Name:*

Event Date:*

dd/mm/yyyy 📅

Event Time:

--:-- -- 🕐

Location:

Event Description:

Organizer Name:

Organizer Email:

Is this event open to all students?
○ Yes
○ No

What type of event is this?
☐ Workshop
☐ Social
☐ Sports
☐ Academic
☐ Other

What type of event is this? Select the department hosting the event:

CEN ⌄

Submit Event   Reset

←Back to Home