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| **College of Engineering**  **Computer Science & Eng. Dept.**  **Course:** CMP 257 Web Application Programming (Lab)  **Date**: 16th and 18th September, 2024  **Location**: ESB-1010 |  | **Lab Instructor**: Mr. Ali Reza Sajun  **Email**: asajun@aus.edu |

**Lab 3: Introduction to Bootstrap**

* **Objectives:** 
  + Introduction to Bootstrap

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

# Exercise 1: Bootstrap [10 marks]

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

**Requirements:**

* **Bootstrap Setup:**
  + 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:**
  + Convert the existing navigation bar into a Bootstrap responsive navbar. Ensure that the navbar collapses into a hamburger menu on smaller screens.
  + Make sure the navbar is visually distinct (e.g., using background color, padding) and remains user-friendly on all devices, from mobile phones to desktops.
* **Grid Layout for the Form:**
  + Use Bootstrap’s grid system to arrange the form fields on the "Submit an Event" page.
* **Form Styling:**
  + Apply Bootstrap’s form-control classes to style text inputs, dropdowns, and other form elements. Ensure that each form element looks clean and is uniformly styled.
  + 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.
* **Cards for Event Information:**
  + On the homepage, use Bootstrap’s card component to display event information such as event name, date, and description.
  + Each card should have a consistent layout.
* **Carousel on Homepage:**
  + Add a Bootstrap carousel to the homepage to display a slideshow of images related to your website. The carousel should include at least three images and automatically cycle through them.

**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

PNGS:







HTML code:

Home page:

<!DOCTYPE html>

<html lang="eg">

<head>

 <link rel="stylesheet" href="style1.css" />

 <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css"

 rel="stylesheet">

</head>

<header>

 <title> Home Page</title>

<b><h1>AUS campus connect</h1> </b>

</header>

<body>

    <nav class="navbar navbar-expand-lg bg-body-tertiary mt-1" data-bs-theme="dark">

        <div class="container-fluid">

          <a class="navbar-brand" href="#">Navbar</a>

          <button class="navbar-toggler" type="button" data-bs-toggle="collapse" data-bs-target="#navbarSupportedContent" aria-controls="navbarSupportedContent" aria-expanded="false" aria-label="Toggle navigation">

            <span class="navbar-toggler-icon"></span>

          </button>

          <div class="collapse navbar-collapse" id="navbarSupportedContent">

            <ul class="navbar-nav me-auto mb-2 mb-lg-0">

              <li class="nav-item">

                <a class="nav-link active" href="home\_page.html" aria-current="page">Home Page</a>

              </li>

              <li class="nav-item">

                <a class="nav-link" href="event\_submission.html">Event Submission Page</a>

              </li>

            </ul>

          </div>

        </div>

        </nav>

      </nav>

      <div id="carouselExampleAutoplaying" class="carousel slide" data-bs-ride="carousel">

        <div class="carousel-inner">

          <div class="carousel-item active">

            <img id="Campus1"  src="AUS\_Campus\_1.png" class="d-block w-100" alt="" width="100px" height="150px">

          </div>

          <div class="carousel-item">

            <img id="Campus2"  src="AUS\_Campus\_2.png" class="d-block w-100" alt="" width="100px" height="150px">

          </div>

          <div class="carousel-item">

            <img id="Campus3"  src="AUS\_Campus\_3.png" class="d-block w-100" alt="" width="100px" height="150px">

          </div>

        </div>

        <button class="carousel-control-prev" type="button" data-bs-target="#carouselExampleAutoplaying" data-bs-slide="prev">

          <span class="carousel-control-prev-icon" aria-hidden="true"></span>

          <span class="visually-hidden">Previous</span>

        </button>

        <button class="carousel-control-next" type="button" data-bs-target="#carouselExampleAutoplaying" data-bs-slide="next">

          <span class="carousel-control-next-icon" aria-hidden="true"></span>

          <span class="visually-hidden">Next</span>

        </button>

      </div>

   <h2> The AUS

   Slogan:

    <br> <blockquote>Your Campus, your

   community!</blockquote></h2>

   <div class="rows">

    <div class="col-3">

        <div class="card" style="width: 18rem;">

            <div class="card-body">

            <h5 class="card-title">Student Council</h5>

            <h6 class="card-subtitle mb-2 text-body-secondary">6-10-2024</h6>

            <p class="card-text">Join us for free food and great prizes in the student center!</p>

        </div>

        <div class="col-3">

            <div class="card" style="width: 18rem;">

                <div class="card-body">

                <h5 class="card-title">CMP Club</h5>

                <h6 class="card-subtitle mb-2 text-body-secondary">16-10-2024</h6>

                <p class="card-text">Join us for free food and great prizes in the student center!</p>

            </div>

        </div>

        <div class="col-3"> <div class="card" style="width: 18rem;">

            <div class="card-body">

            <h5 class="card-title">COE Club</h5>

            <h6 class="card-subtitle mb-2 text-body-secondary">10-10-2024</h6>

            <p class="card-text">Join us for free food and great prizes in the student center!</p>

        </div>

    <p>For student testimonials please click this <a href="student.test">link</a></p>

    <em><p><b>Contact Information</b></p></em>

    Phone Number: <strong>0501112233</strong> <br>

    Email Address: aus@gmail.com

    <cite><footer>

    <p>Author: Hugo Alvarez<br>property of AUS<br>

    <a href="mailto:hege@example.com">auscampusconnect@gmail.com</a></p>

    <img src="instagram\_logo\_2016.jpg" width="40px" height="40px"> aus\_connect

    <img src="x.logo.jpg" width="50px" height="40px">aus\_connect

    <img src="fb-logo.jpg" width="50px" height="40px">aus\_connect

    </footer></cite>

    <script

    src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/js/bootstrap.bundle.min.js">

    </script>

   </body>

   </html>

Event submission:

<!DOCTYPE html>

<html lang="eg">

<head>

    <link rel="stylesheet" href="style1.css" />

    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css" rel="stylesheet">

</head>

<body>

    ><form class="row g-3">

        <div class="col-md-6">

            <label for="inputEmail4" class="form-label">Event Name</label>

            <input type="email" class="form-control" id="inputEmail4" placeholder="Event">

        </div>

        <div class="col-md-6">

            <label for="inputPassword4" class="form-label">Event Date</label>

            <input type="password" class="form-control" id="inputPassword4" placeholder="dd/mm/yy">

        </div>

        <div class="col-12">

            <label for="inputAddress" class="form-label">Event Location</label>

            <input type="text" class="form-control" id="inputAddress" placeholder="1234 Main St">

        </div>

        <div class="col-12">

            <label for="inputAddress2" class="form-label">Event Time</label>

            <input type="text" class="form-control" id="inputAddress2" placeholder="00:00">

        </div>

        <div class="col-md-4">

            <label for="inputState" class="form-label">Department</label>

            <select id="inputState" class="form-select">

                <option selected>Choose...</option>

                <option>CEN</option>

                <option>SBA</option>

                <option>CAAD</option>

                <option>CAS</option>

            </select>

        </div>

        <fieldset class="row mb-3">

            <legend class="col-form-label col-sm-2 pt-0">Is this event open to all students?</legend>

            <div class="col-sm-10">

                <div class="form-check">

                    <input class="form-check-input" type="radio" name="gridRadios" id="gridRadios1" value="option1">

                    <label class="form-check-label" for="gridRadios1">

                        Yes

                    </label>

                </div>

                <div class="form-check">

                    <input class="form-check-input" type="radio" name="gridRadios" id="gridRadios2" value="option2">

                    <label class="form-check-label" for="gridRadios2">

                        No

                    </label>

                </div>

            </div>

                What type of event is this?

                <div class="form-check">

                    <input class="form-check-input" type="checkbox" value="" id="flexCheckDefault">

                    <label class="form-check-label" for="flexCheckDefault">

                        Workshop

                    </label>

                </div>

                <div class="form-check">

                    <input class="form-check-input" type="checkbox" value="" id="flexCheckChecked">

                    <label class="form-check-label" for="flexCheckChecked">

                        Social

                    </label>

                </div>

                <div class="form-check">

                    <input class="form-check-input" type="checkbox" value="" id="flexCheckDefault">

                    <label class="form-check-label" for="flexCheckDefault">

                        Sports

                    </label>

                </div>

                <div class="form-check">

                    <input class="form-check-input" type="checkbox" value="" id="flexCheckChecked">

                    <label class="form-check-label" for="flexCheckChecked">

                        Academic

                    </label>

                </div>

                <div class="form-check">

                    <input class="form-check-input" type="checkbox" value="" id="flexCheckChecked">

                    <label class="form-check-label" for="flexCheckChecked">

                        Other

                    </label>

                </div>

                <div class="col-12">

                    <button type="reset" class="btn btn-danger">Reset</button>

                </div>

    </form>

    <p><strong>Organizers Information: </strong> <br> Email: organizer1@email.com<br>

        Phone number: 0501111111 <br> Email: Organizer2@email.com <br>

        Phone Number:

        0502222222</p>

    <button type="button" class="btn btn-primary">Submit</button><br>

    <p>Click <a href="home\_page.html">here</a> to go back to the home page!</p>

    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/js/bootstrap.bundle.min.js">

    </script>

</body>

</html>

CSS:

body{

    background-color:rgb(201, 104, 104);

   }

   header{

    background-color: rgb(250, 223, 161);

    color: azure;

   }

   form{

    background-color:rgb(255, 244, 234) ;

    color: rgb(0, 0, 0);

    border-style: dashed;

    padding: 5%;

   }

   footer{

    background-color:rgba(255, 212, 147, 0.336);

    color:darkcyan;

   }

   p{

    background-color:rgb(177, 216, 224);

   }

   #Reset\_Button{

    background-color: red;

    color: white;

    border-radius: 20%;

    padding: 1%;

   }

   #Reset\_Button:hover{

    background-color: black;

    color: red;

   }

   #Submit\_Button{

    background-color: rgb(6, 209, 6);

    border-radius: 20%;

 padding: 1%;

}

#Submit\_Button:hover{

 background-color: white;

 color: rgb(2, 100, 2);

}

html{

 font-family:fantasy;

}

header{

 text-align: center;

}

.class1{

 font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;

}

h1{

 font-size: large;

}

h2{

 font-size: larger;

}

label{

 font-size: medium;

}

#abc{

    background-color: red;

}

SS:



