CSE3100 (Software Development - IV)

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My First Project

The Mind

Photoshop, Print Design

The Police

Illustration, Icons

The Glasses

Typography, Illustration

The Mustache

Photoshop, Icons

The Leaf

Icons, Print Design

The Shield

Illustration, Icons

Responsive Design

- **Add the responsive viewport meta tag** to your <head>.

  <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">

- **Responsive breakpoint code**
- @media (max-width: 575px) { … }
  @media (min-width: 576px) { … }
  @media (min-width: 576px) and (max-width: 767px) { … }

Responsive Breakpoint

- **Extra small devices** (portrait phones, less than **576px**)
- **Small devices** (landscape phones, **576px and up**)
- **Medium devices** (tablets, **768px and up**)
- **Large devices** (desktops, **992px and up**)
- **Extra large devices** (large desktops, **1200px and up**)

Bootstrap

- Bootstrap is an open source toolkit for developing with HTML, CSS, and JS.
- World's most popular front-end component library.
- Have light but powerful plugin built on jQuery.

Bootstrap Source Code

Bootstrap Project Folder/

|---- css/

    |---- bootstrap.min.css

|---- js/

    |---- jquery.min.js

    |---- bootstrap.min.js

    |---- popper.min.js

Bootstrap Starter template

```html
<head>
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">
    <link rel="stylesheet" href="css/bootstrap.min.css" />
    <link rel="stylesheet" href="css/main.css" />
    <title>Bootstrap</title>
</head>
<body>
    <h1>Welcome</h1>
    <script src="js/jquery.min.js"></script>
    <script src="js/popper.min.js"></script>
    <script src="js/bootstrap.min.js"></script>
</body>
```

Bootstrap **(Containers)**

- Containers are the most basic layout element in Bootstrap and are **required when using our default grid system**.

    ```
    <div class="container">
       <!-- Content here -->
    </div>
    ```

Bootstrap **(Grid System)**

- Bootstrap's grid system uses a series of containers, rows, and columns to layout and align content.

```
<div class="container">
  <div class="row">
    <div class="col-md-4"> One of three columns </div>
    <div class="col-md-4"> One of three columns </div>
    <div class="col-md-4"> One of three columns </div>
  </div>
</div>
```

Bootstrap **(Grid options)**

	Extra small <576px	Small ≥576px	Medium ≥768px	Large ≥992px	Extra large ≥1200px
Max container width	None (auto)	540px	720px	960px	1140px
Class prefix	.col-	.col-sm-	.col-md-	.col-lg-	.col-xl-
# of columns	12				
Gutter width	30px (15px on each side of a column)				
Nestable	Yes				
Column ordering	Yes				

col-8	col-4

Bootstrap Component

- **Alert**

<div class="alert alert-primary" role="alert"> A simple alert </div>

alert-secondary | alert-success | alert-danger | alert-warning | alert-info |alert-light| alert-dark

```
<div class="alert alert-warning alert-dismissible fade show" role="alert">
    <strong>Holy guacamole!</strong>
    You should check in on some of those fields below.
    <button type="button" class="close" data-dismiss="alert" aria-label="Close">
      <span aria-hidden="true">&times;</span>
    </button>
</div>
```

Bootstrap Component

- **Button**
<button type="button" class="btn btn-outline-primary">Primary</button>

btn-lg | btn-sm | btn-block

- **Collapse**
<p>

    Link with href

</p>
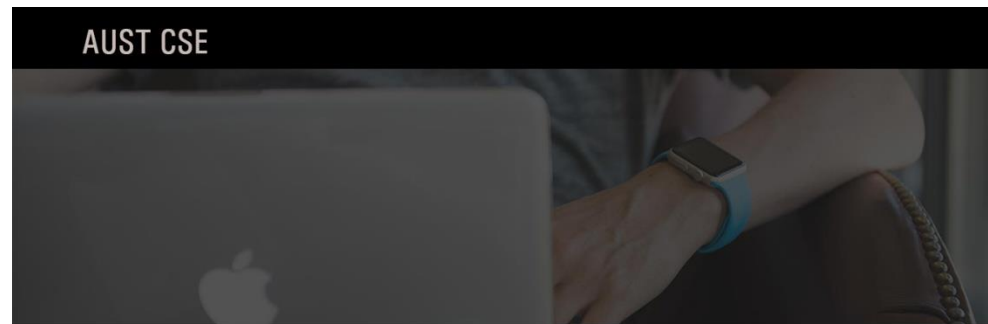<div class="collapse" id="collapseExample">
  <div class="card card-body">[your_content]</div>
</div>

ASSIGNMENT

Final Project Requirement

- Home Page

- Contact Form Page

- Login/Registration Option

- Private Page

- Data Listing Page

** Admin Panel

Thank You