Front-end "Assignment-3"

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WD_MODULE: 6 (Bootstrap Basic & Advanced)

❖ **What are the advantages of Bootstrap?**
➢ Bootstrap is an open source, sleek, intuitive, and powerful, mobile first front-end framework for faster and easier web development.
➢ Easy to prevent repetitions among multiple projects.
➢ Responsive design that can be used to adapt screen sizes and choose what shows and what doesn't on any given device.
➢ Maintaining consistency among projects when using multiple developer teams.
➢ Quick design of prototypes.

❖ **What is a Bootstrap Container, and how does it work?**
➢ Containers are the most basic layout element in Bootstrap and are required when using our default grid system.
➢ Bootstrap comes with three different containers:
  ❖ .container, which sets a max-width at each responsive breakpoint.
  ❖ .container-fluid, which is width: 100% at all breakpoints
  ❖ .container-{breakpoint}, which is width: 100% until the specified breakpoint

❖ **What are the default Bootstrap text settings?**
➢ Bootstrap styles HTML headings (<h1> to <h6>) with a bolder font-weight and an increased font-size:

h1 Bootstrap heading

h2 Bootstrap heading

h3 Bootstrap heading

h4 Bootstrap heading

h5 Bootstrap heading

h6 Bootstrap heading

➢ Display headings are used to stand out more than normal headings (larger font-size and lighter font-weight), and there are four classes to choose from: .display-1, .display-2, .display-3, .display-4

❖ **What do you know about the Bootstrap Grid System?**

➢ Bootstrap's grid system uses a series of containers, rows, and columns to layout and align content. It's built with flexbox and is fully responsive. Below is an example and an in-depth look at how the grid comes together.

One of three columns	One of three columns	One of three columns

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

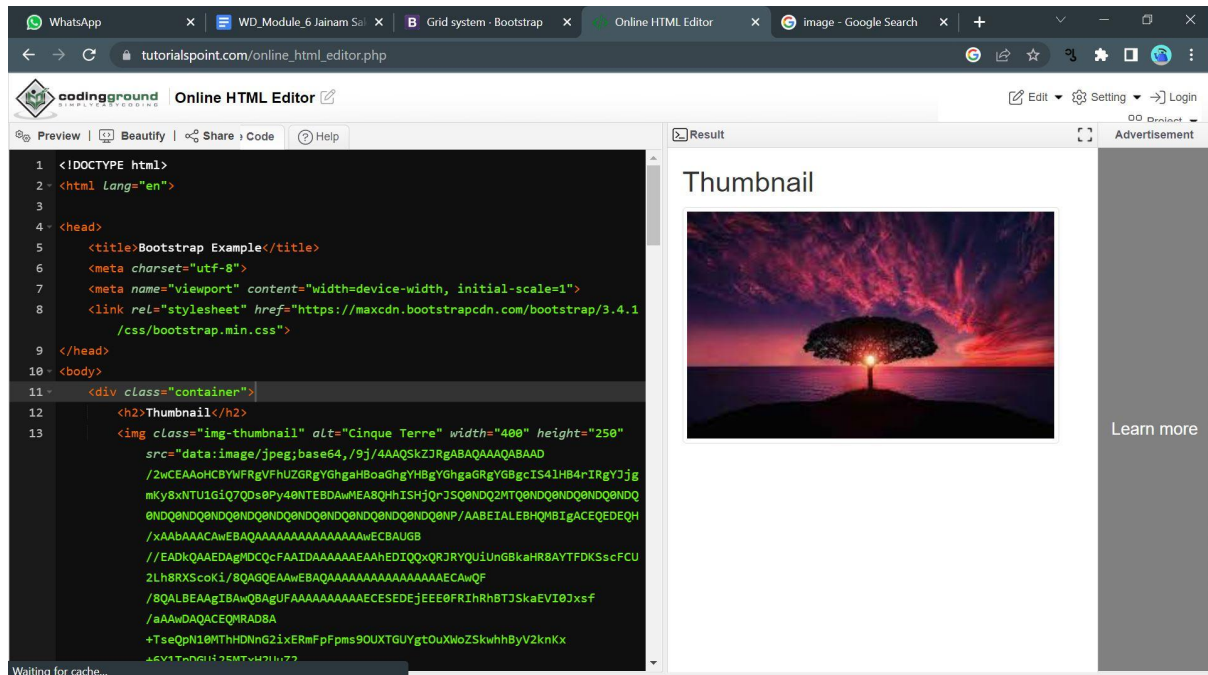❖ **What is the difference between Bootstrap 4 and Bootstrap 5?**

➢ brand new look and fed in bootstrap5.
➢ Brand new logo in bootstrap 5.
➢ New typography added in bootstrap 5.
➢ No jquery required anymore in bootstrap 5.
➢ Enhanced grid (multiple changes including addition of xxl)

❖ **What is a Button Group, and what is the class for a basic Button Group?**

➢ "Button Groups" in Bootstrap is a class of name "btn-group" which is used to create a series of buttons in groups (without spaces) vertically or horizontally.
➢ This is the basic syntax of the button group class where each button has its own class of "btn".

```html
<div class="btn-group">
    <button type="button" class="btn">Click</button>
</
```

❖ How can you use Bootstrap to make thumbnails?

❖ In Bootstrap 4, what is flexbox?
➢ The Flexible Box Layout Module makes it easier to design flexible responsive layout structures without using float or positioning.

❖ How can one create an alert in Bootstrap?
➢ Alerts are created with the .alert class, followed by one of the four contextual classes .alert-success, .alert-info, .alert-warning or .alert-danger.

❖ how would you create one?

➢

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```
1   <!DOCTYPE html>
2   <html lang="en">
3
4   <head>
5       <title>Bootstrap Example</title>
6       <meta charset="utf-8">
7       <meta name="viewport" content="width=device-width, initial-scale=1">
8       <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1
            /css/bootstrap.min.css">
9       <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.0/jquery.min
            .js"></script>
10      <script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/js/bootstrap
            .min.js"></script>
11  </head>
12  <body>
13      <div class="card" style="width: 330px; border: 1px solid blue;">
14          <img src="data:image/jpeg;base64,/9j/4AAQSkZJRgABAQAAAQABAAD
                /2wCEAAkGBw0NDQ0IDQ0ICAgICA0HCAgHBw8IDQcNFREWFhURExMYHSggGBolGxMTITE
                hJSkrLi4uFx8z0DMtNzQtLisBCgoKDQ0OGA8PFSsZFRkrKystKysrKy0tKy0rLSsrNy0
                rNy0tNy03Ky0tNystNy03KzcrNzctNy0rNzc3LSs3N//AABEIALcBEwMBIgACEQEDEQH
                /xAAcAAEBAQEBAQEBAQAAAAAAAAAQIDBAUHBgj
                /xAAkEAEBAQACAgEDBQEAAAAAAAAQIDEQQxEiFBcQUiUYGRof
                /EABsBAQADAQEBAQAAAAAAAAAAAABAgQDBQYH
                /8QAHhEBAAICAwEBAQAAAAAAAAAAAAECAxEEEEhMxUSH/2gAMAwEAAhEDEQA
                /AP28AAAAABUUAAAAAAAAAAAACotQSAioqAgARG0qdmxROzs2aXs7OyNL2J27G
```

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Basic Example

[Press]