**Module 8) Bootstrap Basic & Advanced**

**• What are the advantages of Bootstrap?**

Responsive, Customizable, Browser compatibility, Consistency, Responsive web design

Skilled required for bootstrap

Great grid system

**• 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. Containers are used to contain, pad, and (sometimes) center the content within them. While containers can be nested, most layouts do not require a nested container.

1. Default-Container(container)
2. Responsive-Container(along with sm, md, lg, xl, xxl)
3. Fluid-Container(container-fluid)

**• What are the default Bootstrap text settings?**

The default font-family is "Helvetica Neue", Helvetica, Arial, sans-serif.

**• 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. Bootstrap's grid system allows up to 12 columns across the page.

If you do not want to use all 12 column individually, you can group the columns together to create wider columns

Bootstrap's grid system is responsive, and the columns will re-arrange depending on the screen size: On a big screen it might look better with the content organized in three columns, but on a small screen it would be better if the content items were stacked on top of each other.

**• What is the difference between Bootstrap 4 and Bootstrap 5**

Bootstrap 5 has removed the jQuery dependency, aiming for a more modern and lightweight approach. Utility Classes:

Bootstrap 5 introduces more utility classes, making it easier to apply styles directly in the HTML without the need for custom CSS.

**• 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 vertically or horizontally.

The Bootstrap button class is . btn.

**• How can you use Bootstrap to make thumbnails?**

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| <!DOCTYPE html>  <html>  <head>  <link href="/bootstrap/css/bootstrap.min.css" rel="stylesheet">  <script src="/bootstrap/scripts/jquery.min.js"></script>  </head>  <body>  <div class = "row">  <div class = "col-sm-6 col-md-3">  <a href = "#" class = "thumbnail">  <img src = "…………………….." alt = "">  </a>  </div>  <div class = "col-sm-6 col-md-3">  <a href = "#" class = "thumbnail">  <img src = "…………………….." alt = "">  </a>  </div>  <div class = "col-sm-6 col-md-3">  <a href = "#" class = "thumbnail">  <img src = "…………………….." alt = "">  </a>  </div>  <div class = "col-sm-6 col-md-3">  <a href = "#" class = "thumbnail">  <img src = "…………………….." alt = "">  </a>  </div>  </div>  </body>  </html> |

**• In Bootstrap 4, what is flexbox?**

In Bootstrap 4, flex box is used to control the layout and alignment specification of Bootstrap 4 components.

This box makes it easier to design flexible responsive layout structures without using float or positioning attributes.

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| <!DOCTYPE html>  <html >  <head>    <meta charset="utf-8">  <meta name="viewport" content="width=device-width, initial-scale=1">  <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap@4.6.2/dist/css/bootstrap.min.css">    </head>  <body>  <div class="container mt-3">  <h2>Flex box </h2>  <div class="d-flex p-3 bg-secondary text-white">  <div class="p-2 bg-info"> amar </div>  <div class="p-2 bg-warning"> akbar </div>  <div class="p-2 bg-primary"> entgani </div>  </div>  </div>  </body>  </html> |

**• 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

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| --- |
| <!DOCTYPE html>  <html >  <head>    <meta charset="utf-8">  <meta name="viewport" content="width=device-width, initial-scale=1">  <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap@4.6.2/dist/css/bootstrap.min.css">    </head>  <body>  <div class="container">  <h2>Alerts</h2>  <div class="alert alert-success">  <strong>Success!</strong> successful  </div>  </div>  </body>  </html> |

**• What is a bootstrap card and how would you create one?**

A card is a flexible and extensible content container.

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| <!DOCTYPE html>  <html>  <head>    <meta charset="utf-8">  <meta name="viewport" content="width=device-width, initial-scale=1">  <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap@4.6.2/dist/css/bootstrap.min.css">    </head>  <body>  <div class="card" style="width: 18rem;">  <img src="https://upload.wikimedia.org/wikipedia/commons/thumb/c/c3/Sundar\_Pichai\_-\_2023\_%28cropped%29.jpg/330px-Sundar\_Pichai\_-\_2023\_%28cropped%29.jpg" class="card-img-top" alt="...">  <div class="card-body">  <h5 class="card-title"> Sundar Pichai </h5>  <p class="card-text">Sundar is the CEO of Google and Alphabet and serves on Alphabet's Board of Directors.</p>  <a href="https://en.wikipedia.org/wiki/Sundar\_Pichai" class="btn btn-primary"> More </a>  </div>  </div>  </body>  </html> |