

Bootstrap Assignment

1. What are the advantages of Bootstrap?

- Bootstrap is the most popular HTML, CSS and JavaScript framework for developing a responsive and mobile friendly website.
- Bootstrap is saving time and effort by providing ready-made components and styles that can be customized and combined.

2. What is a Bootstrap Container, and how does it work?

- Container is used to set the content's margins dealing with the responsive behaviours of your layout.
- It contains the row elements and the row elements are the container of columns. The container class is used to create boxed content.

3. What are the default Bootstrap text settings?

- Bootstrap 5 uses a default font-size of 1rem (16px by default), and its line-height is 1.5.
- In addition, all <p> elements have margin-top: 0 and margin-bottom: 1rem (16px by default).

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.

5. What is the difference between Bootstrap 4 and Bootstrap 5?

Grid System:

- It has 5 tier (xs, sm, md, lg, xl).(BOOTSTRAP 4)
- It has 6 tier (xs, sm, md, lg, xl, xxl). (BOOTSTRAP 5)

Color:

- It has limited colors.(BOOTSTRAP 4)
- Extra colors added with the looks, A card improved color palette. there are various shades available to choose.(BOOTSTRAP 5)

jQuery:

- It has jquery and all related plugins.(BOOTSTRAP 4)
- JQuery is removed and switched to vanilla JS with some working plugins(BOOTSTRAP 5)

Internet Explorer:

- Bootstrap 4 supports both IE 10 and 11.(BOOTSTRAP 4)
- Bootstrap 5 doesn't support IE 10 and 11.(BOOTSTRAP 5)

Form elements:

- Radio buttons, checkboxes have different look in different OS and browsers. The form uses whatever default browsers provide.(BOOTSTRAP 4)
- The look of form elements will not change, on different OS or browser. The forms can be customized and form controls can be added, they would not depend on browser. (BOOTSTRAP 5)

6. 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".

7. How can you use Bootstrap to make thumbnails?

Bootstrap helps web developers to create thumbnails that are used to show linked images in grids with the pre-defined classes which help to reduce codes length. Thumbnails are created to provide a quick preview of images with small images.

Thumbnail Image: A thumbnail is a small image that represents a larger image. Bootstrap has an easy way to do this with thumbnails. Bootstrap's .Thumbnail class is used to show linked images in grids, a thumbnail is created using class *.thumbnail* within the

element [<a>](#). The class `.col-sm-*` and `.col-md-*`, it is used to create grids of the images.

8. In Bootstrap 4, what is flexbox?

- Bootstrap 4 uses flexbox, instead of floats, to handle the layout.
- The Flexible Box Layout Module, makes it easier to design flexible responsive layout structure without using float or positioning.

9. 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`:

10. What is a bootstrap card and how would you create one?

- A card is a flexible and extensible content container. It includes options for headers and footers, a wide variety of content, contextual background colors, and powerful display options.

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Document</title>
  <link rel="stylesheet" href="bootstrap-5.3.1-dist/css/bootstrap.min.css">
</head>
<body>
```

```
<div class="container mt-5">
  <div class="card m-auto" style="width:400px">
    
    <div class="card-body">
      <h4 class="card-title">Richard Taylor</h4>
      <p class="card-text">Richard Taylor is a software engineer</p>
      <a href="#" class="btn btn-primary">See Profile</a>
    </div>
  </div>
</div>
</body>
</html>
```

