MODULE: 6 (Bootstrap Basic & Advance)

• What are the advantages of Bootstrap?

- Open Source — Completely free to download and use.
- Easy to use —with the basic working knowledge of HTML, CSS and JavaScript anybody can start development with Bootstrap.
- Save lots of time — we can save lots of time and effort using the Bootstrap predefined design templates and classes.
- Compatible with browsers — it is compatible with most browsers that are Chrome, Firefox, Internet Explorer, Safari and Opera etc.
- Responsive features — Using Bootstrap we can also easily create responsive websites that appear more appropriately on different devices and screen resolutions.
- Consistent design — all Bootstrap components share the same design templates and styles through a central library, so the design and layout of our web pages will be consistent.

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

= Bootstrap Containers are the most basic layout element in Bootstrap. Bootstrap Containers are very essential and basic building blocks of bootstrap that wrap a page's content. It's responsible for setting and aligning content within it according to viewport or given device. Containers are defined within the container class (.container). In other words, we can say that containers are established the width for the layout to give the content.

• What are the default Bootstrap text settings?

=Bootstrap's Default Settings Bootstrap's global default font-size is 14px, with a line-height of 1.428. This is applied to the <body> element and all paragraphs (<p>).

• What do you know about the Bootstrap Grid System?

= The Bootstrap grid system has four classes:

- xs (for phones - screens less than 768px wide)
- sm (for tablets - screens equal to or greater than 768px wide)
- md (for small laptops - screens equal to or greater than 992px wide)
- lg (for laptops and desktops - screens equal to or greater than 1200px wide)

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

= Bootstrap is a free and open-source toolkit for developing responsive web pages and online apps. HTML, CSS, and the JavaScript framework make it simple to create responsive, mobile-first websites. Its primary goal is to address the cross-browser compatibility issue. Bootstrap is at the heart of any website optimized for all screen sizes and looks great in all modern browsers.

Bootstrap 5 includes custom form controls. Bootstrap 4's form controls used whatever presets were available in each browser. The form controls in Bootstrap 5 will have a significantly more consistent appearance and feel across all browsers due to their custom design.

- In bootstrap 5, some classes remove, which is available in the bootstrap 4 versions.

a "row form"

a "form inline"

a "list inline"

a "form inline"

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

= Button groups are useful when you want to place items like alignment buttons together. This allows multiple buttons to be stacked together on a single line. Description: Wrap a series of buttons with class .btn in .btn-group. This class is used for a basic button group.

• How can you use Bootstrap to make thumbnails?

= Add an <a> tag with the class of .thumbnail around an image.

This adds four pixels of padding and a gray border.

On hover, an animated glow outlines the image.

• 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.

• How can one create an alert in Bootstrap?

= To create alert box add .alert class to <div> tag.

Add contextual classes within the alert box using .alert-success , alert-success , .alert-danger , .alert-warning.

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

= In its simplest form, a Bootstrap card is a.card class with the. card-body class nested inside. This creates a card with a rounded border inside which you can place text, images, links, and other Bootstrap elements. Since cards are divs, they'll span the entire width of the page by default.