**MODULE: 6**

**(Bootstrap Basic & Advance)**

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

1. **Fewer Cross browser bugs.**
2. **A consistent framework that supports major of all browsers and CSS compatibility fixes.**
3. **Lightweight and customizable.**
4. **Responsive structures and styles.**
5. **Several JavaScript plugins using the jQuery.**
6. **Good documentation and community support.**
7. **Loads of free and professional templates, WordPress themes and plugins.**
8. **Great grid system.**

* **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.**
* **There are two container classes in Bootstrap:**
  + **Container**
  + **container-fluid**
* **Bootstrap has the default class or predefined class is *“.container”*& *“.container-fluid” for layout.***
* **Containers are used to contain, pad, and (sometimes) canter the content within them. While containers can be nested, most layouts do not require a nested container.**
* **What are the default Bootstrap text settings?**
* **Bootstrap's global default font-size is 14px, with a line-height of 1.428.**
* **This is applied to the <body> and all paragraphs.**
* **All <p> elements have a bottom margin that equals half their computed line-height (10px by default).**
* **What do you know about the Bootstrap Grid System?**
* **Bootstrap's grid system allows up to 12 columns across the page.**
* **If you do not want to use all 12 columns 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.**
* **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 the difference between Bootstrap 4 and Bootstrap 5**

| **BASIS OF** | **BOOTSTRAP 4** | **BOOTSTRAP 5** |
| --- | --- | --- |
| **Grid System** | **It has 5 tier (xs, sm, md, lg, xl).** | **It has 6 tiers (xs, sm, md, lg, xl, xxl).** |
| **Color** | **It has limited colors.** | **Extra colors added with the looks, A card improved color palette. there are various shades available to choose.** |
| **Jquery** | **It has jquery and all related plugins.** | **Jquery is removed and switched to vanilla JS with some working plugins** |
| **Navbar** | **We have inline-block property and we will get white dropdown as default for dropdown-menu-dark class.** | **Inline-block property is removed and we will get black dropdown as default for dropdown-menu-dark class.** |

* **What is a Button Group, and what is the class for a basic Button Group?**
* **Multiple buttons can be placed together on a single line using button groups. You can use this to group objects together, such as alignment buttons.**
* **The .btn-group class is used for basic button groups. You can use the class. btn to wrap a set of buttons in. btn-group.**
* **How can you use Bootstrap to make thumbnails?**
* **Include Bootstrap and jQuery CDN into the <head> tag before all other stylesheets to load our CSS.**
* **Add**[**<div>**](https://www.geeksforgeeks.org/div-tag-html/#:~:text=The%20div%20tag%20is%20used,%2C%20navigation%20bar%2C%20etc).&text=It%20is%20used%20to%20the,can%20be%20applied%20to%20them.)**tag in the HTML body with class row. In that <div> create four *div*sections to create four images.**
* **Add “col-sm-6” and “col-md-3” to four *div* sections which creates webpage responsive**.
* **Add**[**<a>**](https://www.geeksforgeeks.org/html-a-tag/)**tag with class value *thumbnail*to define the link of the image in the next line**

**Syntax:**

**<a href="#" class="thumbnail">**

* **In Bootstrap 4, what is flexbox?**
* **The bootstrap flexbox helps to make responsive web application content and their container.**
* **The flexbox creates space between containers and elements as per device screen size and useful for responsive web design.**
* **The flexbox is controlling the height, width, size of the element as per the user’s requirement in the required position.**
* **What is a bootstrap card and how would you create one?**
* **In Bootstrap, a card is a bordered box with padding surrounding its content.**
* **It has options for headers, footers, content, and colors among other things.**
* **For example:**

**<div class="card">**

**<div class="card-header">Header</div>**

**<div class="card-body">Body</div>**

**<div class="card-footer">Footer</div>**

**</div>**