Assignment 6 :- Bootstrap advandced & basic

1] What are the advantages of bootstrap ?

- easy invitation coding is a burricane task for a person who is on beknown to web development.

- Responsiveness

-highy coustomizable

-extremly user centric

-top notch support

-cross browser compatibility

-javascript plugins to your rescue

-far reaching popularity

-amble documentation

-updates at the doorstap

2] What is bootstrap container and how does it works ?

-containers are the most basic layout element in bootstrap and are required when using our default grid system.

Container are used to contain pad and (sometimes) centor the content within them.

In bootstrap container is used to set the contain's margains delaing with responsive behaivour of your layout.

It contains the row elements and the roe elements are the container of colors.

Used to meatea boxed content.

Three types containers avalible in bootstrap :-

Container :- which set amax width at ouch responsive break point.

Container fluid which is width 100% at all break points.

Container {breakpoint} which is width : 100% until the specified break point.

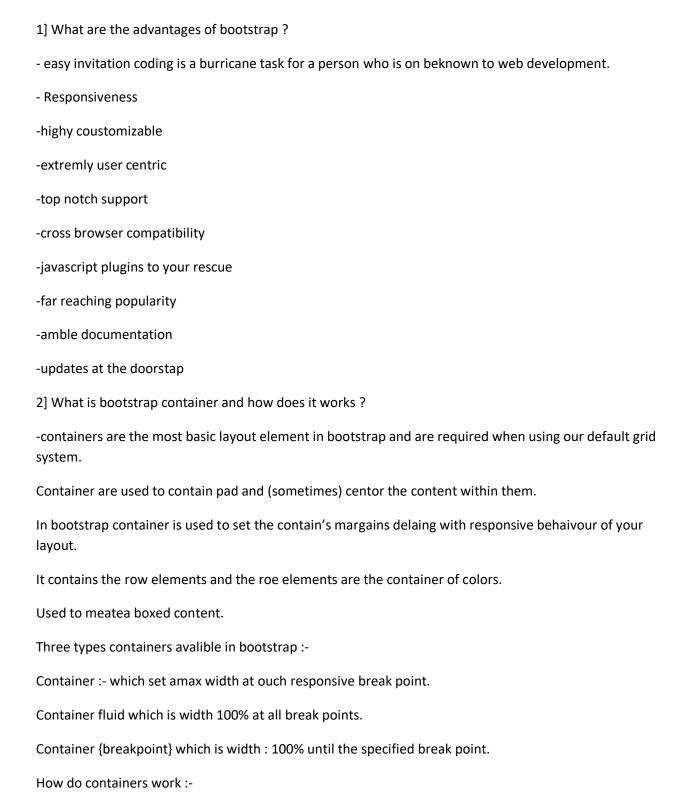How do containers work :-

The standardized container management process has four stages for a pps and the service they contain.

1] creation

2]development

3]scalping/ expansion

4]destruction

3. What are the default bootstrap text settings ?

Bootstrap 4 default settings.

1] font size of 16px,and its line height is 1.5.

2] font family is "Helvetica neue"

Helvetica , arial, sans-serif.

3] in addition all <p> elements have margin – top :O and margin bottom:

1 rcm (16 px by default)

Ex :- HTML heading <h1> <h6> <small> create a lighter secondary text in any heading.

<mark> background color (highlight) <abbr> - deted border bottom:

<block quote> :- quoting blocks of content from another source.

<dl>, <code>, <kbd>, <poe> etc.

4. What do you about the bootstrap grid system ?

Use our powerful mobile first flexbox grid to build layout of all shapes and sizes thanks to a twelve column system, five default responsive tiers, sass variables and mixins and dozen of predefined classes.

-How it works :-

Bootstrap 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 indepth look at how the grid comes together.

New to or unfamiliar with flexbox ? read this CSS tricks flexbox guide for background, terminology, guidelines and code snippets.

One of three columns

```
<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>
```

The above example creates three equal width columns on small, medium, large and extra large devices using our predefined grid classes.

5. 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 tier (XS,sm,md,lg,xl,xxl). Extra colors added with the looks,a card improved color palette.
-Color	it has limited Colors.	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.
-Internet Explorer	bootstrap 4 supports both IE 10 and 11. Radio buttons, have	bootstrap 5 doesn't support IE 10 and 11. The look of form elements will not change, on different os or browser .

Different look.

Feature	Bootstrap 4	Bootstrap 5
-utilies Api	we can not modify utilites in bootstrap 4.	Bootstrap 5 gave freedom to modify and also create our oen utility.
-gutter	we use .glutter with fontsize in px	we use .g*with fontsize in rem
-vertical Classes	columns can be positioned relative	columns can not be positioned relative.
-bootstrap Icons	bootstrap 4 doesn't have its own SVG icons,we have to use font awesome for icons.	bootstrap 5 have its own SVG icons.
-jumpbotron	its support	it doesn't supports.
Card deck	the card deck is used to create A set of cards with equal width and Height. We have inline bock property And we will get white dropdown as menu dark class.	card deck class in removed in bootstrap inline block property is removed and we will get black dropdown as default for dropdown Menu dark class.
-navbar		
-static site Generator	bootstrap 4 uses Jekyll software.	Bootstrap 5 uses Hugo software as it is fast static site generator.
-flexbox Grid	this makes easier to implement vertical designs,and the columns and rows can Eaily be implemented. The class justify Center content can directly be used to Align according to the requirement.	advanced grid system is made available also columns don't have relative positions.
-RTL Support	it does not enable RTL switching.	It enables RTL switching.
-offcanvas Component	it does not support offcanvas	it supports offcanvas component it is available now.

6. What is a button group, and what is the class for a basic button group ?

A button group is a container control that holds push butons controls. The button group defines the layout for the buttons it caontains, including alignment within the container and the title for the group. Place this control within a section control or a table control.

Button groups in bootstrap is a class of name btn-group which is used to create series of button in progress vertically or horizontally.

This is the basic syntx of the button group class where each button has its own class of "btn".

<div class="btn-group">

<button type="button" class="btn=">click

</div>

Buttons have a default border radius on the first and last buttons of the group.

7.How can you use bootstrap to make thumbnails ?

Bootstrap helps web developers to create thumbnails that sare the used to show linked images in grids with the pre-defined classes which helps to eduse codes length.

Thumbnails are created to provide a quick preview of images with small images.

Thumbnail image :-

A thumbnail image is a small that represent a larger image. Bootstrap has an easy way to do this with thumbnails.

Bootstrap's .thumbnail class is used to shiw linked imagees in grids a system 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.

Step 1 : include bootstrap and jquery CDN into the <head> tag before all other stylesheets to load our CSS.

<link rel="stylesheet"

Href=http://maxcdn.bootstraocdn.com/bootstrap/3.3.6/css/bootstrap.min.css>

<script

Src=https://ajax.googleapis.com/ajax/libs/jquery.min.js>

</script>

<script

Src=http://maxcdn.bootstrapcdn.com/bootstrap/3.3.6/js/bootstrap.min.js></script>

Step 2 : add <div> tag in the HTML body with class row.in that <div> create four div sections to create four images.

Step 3 : add "col-sm-6" and "col-md-3" to four div section which create web pages responsive.

Step 4 : add <a> tag with class value thumbnail to define the link images in the next line.

8. In bootstrap 4, what is flexbox ?

The biggest difference between bootstrap 3 and bootstrap 4 is that bootstrap 4 now uses flexbox,instead of floats to handle the layout.

The flexible box layout moduke makes it easier to design flexible responsive layout structure without using float or positioning.

If you are a new to flex, you can read about in our CSS Flexbox tutorial.

To crate a flexbox container and to transform direct children into flex items use the d-flex class:

Example :-

<div class="d-flex p-3 bg-secondary text-white">

<div class="p-2 bg-info">flex item 1</div>

<div class="p-2 bg-warning">flex item 2</div>

<div class="p-2 bg-primary">flex item 3</div>

</div>

9. How can one create an alert bootstrap ?

Provide contextual feedback message for typical user actions with the handful of available and flexible alert messages.

Examples :-

Alert are available for any lenghth of text, as well as an optional dismiss buttond.

For proper stylling, use one of the eight required contextual classes.for inline dismissal,use the alerts jquery plugin.

This is a primary alert-check it out!

This is a secondary alert-check it out!

This is a success alert –check it out!

This is a danger alert-check it out!

This is a warning alert-check it out!

This is a info alert-check it out!

This is a light alert-check it out!

This is a dark alert-check it out!

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

A card is a flexible and extensible content container. It includes options for a header and floaters, a wide variety of content, contextual background colors, and powerful dispay options.

If you are familiar with bootstrap 3 cards replace our old panels,wells and thumbnails.

How bootstrap card is create one :-

In its simplest form, a bootstrap card is .card class with the.card-body class nwsted inside.

This creates a card with a rounded border inside which you can place text, images, links, and other bootstrap elements.

Link other bootstrap classes the .card class is mibile-friendly,simple and coustomizable.

Here's what a more fleshed out card might look like:

<div class="card m-2" style="width: 300px;">

<img

Src=https://assets.codepen.io/6093409/mountains-1.jpg alt="asnow-capped mountain range"/>

<div class="card-body">

<h2 class="card-title">mpuntains</h2>

```html
<p class="card-text">this is a photo of snowy-covered mountains.how majestic.</p>

<a href="#" class="btn btn-secondary">learn more</a>

</div>

</div>
```