UNIT 5: BASIC OF HTML & ADVANCE HTML 5

CS-04 NETWORKING & INTERNET ENVIRONMENT



- INTRODUCTI[ON TO BOOTSTRAP
- BOOTSTRAP LAYOUT (CONTAINER, ROW, COLUMNS, RESPONSIVE CLASSES, OFFSET COLUMN, REORDERING COLUMNS)
- BOOTSTRAP CONTENT (TYPOGRAPHY, TABLES, IMAGES, FORMS)
- BOOTSTRAP COMPONENTS (NAVBAR, NAVS AND TABS, DROPDOWNS, BUTTONS, BUTTON GROUPS, PAGINATION & BREADCRUMS, LABELS, ALERTS, PROGRESS BARS, ACCORDION, CARD, MODAL)
- BOOTSTRAP UTILITIES (COLORS, BACKGROUND, BORDERS, DISPLAY, OVERFLOW, POSITION, SPACING, TEXT, VERTICAL ALIGN)

-: ASSIGNMENT 5: -

- 1. Explain bootstrap and it setup process.
- 2. Explain bootstrap advantages
- 3. Explain grid system in bootstrap
- 4. Explain navbar in bootstrap
- 5. Explain modal in bootstrap
- 6. Explain any 3 bootstrap utilities
- 7. Explain any 2-content type in bootstrap
- 8. Explain any 4 bootstrap components
- 9. Explain bootstrap layout
- 10. Who developed bootstrap?
- 11. Is bootstrap opensource?
- 12. Explain History of bootstrap.

INTRODUCTION TO BOOTSTRAP

Develop a webpage which can make it comfortable in various sized devices (such as mobile phones, tablets, and desktop screens) will help developers to make a single webpage that can be seen on different devices, hence reducing the effort of measuring different sized devices and then making individual pages for each of them. In this tutorial series, you will learn about Bootstrap and its various features.

What is bootstrap?

It is an open-source and free CSS framework, which helps in directing a responsive device-friendly mobile-first front-end web page development tool. Bootstrap includes the CSS (Cascading Style Sheets), and an optional JavaScript supported design template (plug-ins) that deals with typography, implementation of buttons, forms, and various other components user interface. This framework helps in faster web development and supports developers in creating responsive web pages faster.

History of bootstrap

Twitter Blueprint was the first name of Bootstrap and was developed at Twitter by Mr. Mark Otto and Jacob Thornton. It got released as an open-source product in August 2011 on GitHub. The framework was mainly designed for encouraging the reliability and uniformity of web pages across internal tools.

Before Bootstrap's existence, for making responsive sites and interface development, various external libraries were used, which brought inconsistency and gave rise to the heavy maintenance burden.

Usage of Bootstrap/advantages

- Browser supportive: Every browser supports this Bootstrap Framework.
- **Mobile-first approach:** In the Bootstrap 3 framework, there is a preexisting mobile-first style all through the library and not as separate files.
- **Simple and easy to start:** If you know HTML and CSS, you can quickly start working with Bootstrap, and its documentation is provided on the official site.
- Responsive design and looks: Web pages designed using the Bootstrap framework has
 responsive CSS that can adjust to the screen size of large desktops, notebooks, tablets, and
 mobiles.
- **Easy customization:** It provides some built-in components and functionalities that are easy for customizing.
- Clean interface or Developers: Bootstrap framework provides a new and consistent result for building user interfaces in web pages.
- It is an open-source framework with web-based customization.
- It produces less cross-browser bugs.
- It is a consistent framework supported by all the browsers plus CSS based compatibility fixes.
- It is a lightweight and hence widely used framework for creating responsive sites.
- Looks, structure, and styles can be customized as per requirement.
- A simple and effective grid system.

Bootstrap Layout/Grid System Containers in Bootstrap

In bootstrap, the container is used to set the content's margin. It contains row elements and the row elements are containers of columns. This is known as the grid system.

There are two container classes in bootstrap:

- .container: The .container class provides a responsive fixed width container. In the below
 example, the div with class "container" will have a fixed left and right margin and will not take the
 complete width of its parent or the viewport. <div class="container"></div>
- .container-fluid: The .container-fluid class provides a full-width container which spans the entire width of the viewport. <div class="container-fluid"></div>

.container (100% width below 540px)
.container-sm (100% width below 540px)
.container-md (100% width below 720px)
.container-lg (100% width below 960px)
.container-xl (100% width below 1140px)
.container-xxl (100% width below 1320px)
.container-fluid (always 100% width)

Row: Rows create horizontal groups of columns. Therefore, if you want to split your layout horizontally, use .row.

Columns: Bootstrap's grid system allows up to 12 columns across the page.

| .col-
md-1 |
|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| .col-md | -8 | | | | | | | .col-md | -4 | | |
| .col-md | -4 | | | .col-md | -4 | | | .col-md | -4 | | |
| .col-md | -6 | | | | | .col-md | -6 | | | | |

Grid: We use .col-md-* to create a column, where * specifies the number of columns between 1 and 12.

md specifies the breakpoint where the columns change its width.

md means "screen ≥768px", so I'm the example below the columns will stretch to 100% of the width on the screens smaller or equal 768px.

Typography

Heading: .h1 through .h6 classes are also available, for when you want to match the font styling of a heading but cannot use the associated HTML element.

Display headings: Traditional heading elements are designed to work best in the meat of your page content. When you need a heading to stand out, consider using a display heading—a larger, slightly more opinionated heading style. display-1 to display-4

Images:

Responsive images: Images in Bootstrap are made responsive with .img-fluid. max-width: 100%; and height: auto; are applied to the image so that it scales with the parent element.

Options:

- .img-fluid
- .img-thumbnail
- .float-left
- .float-right
- .rounded

Table:

To implement use .table or .table-responsive <!-- On rows --> ...
...
...
...
...
...

```
...
...
...
...
<!-- On cells ('td' or 'th') -->
...
...
...
...
...
...
...
...
...
<!-- On rows -->
...
...
...
...
...
<!-- On cells (`td` or `th`) -->
...
...
...
...
...
```

Form

Form controls automatically receive some global styling with Bootstrap: All textual <input>, <textarea>, and <select> elements with class .form-control have a width of 100%.

Bootstrap Form Layouts

Bootstrap provides three types of form layouts:

- Vertical form (this is default)
- Horizontal form
- Inline form

Standard rules for all three form layouts:

Wrap labels and form controls in <div class="form-group"> (needed for optimum spacing) Add class .form-control to all textual <input>, <textarea>, and <select> elements. <form>

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```
</div>
```

Bootstrap Inline Form

In an inline form, all of the elements are inline, left-aligned, and the labels are alongside.

Note: This only applies to forms within viewports that are at least 768px wide!

Additional rule for an inline form:

Add class .form-inline to the <form> element

Bootstrap Horizontal Form

A horizontal form means that the labels are aligned next to the input field (horizontal) on large and medium screens. On small screens (767px and below), it will transform to a vertical form (labels are placed on top of each input).

Additional rules for a horizontal form:

Add class .form-horizontal to the <form> element Bootstrap Form Control States

INPUT FOCUS - The outline of the input is removed and a box-shadow is applied on focus DISABLED INPUTS - Add a disabled attribute to disable an input field DISABLED FIELDSETS - Add a disabled attribute to a fieldset to disable all controls within

READONLY INPUTS - Add a readonly attribute to an input to prevent user input

VALIDATION STATES - Bootstrap includes validation styles for error, warning, and success messages. To use, add .has-warning, .has-error, or .has-success to the parent element

ICONS - You can add feedback icons with the .has-feedback class and an icon

HIDDEN LABELS - Add a .sr-only class on non-visible labels

NAVBAR/ NAVS AND TABS

A navigation bar is a navigation header that is placed at the top of the page. With Bootstrap, a navigation bar can extend or collapse, depending on the screen size. A standard navigation bar is created with <nav class="navbar navbar-default">.

Example: use .navbar-inverse to make black navbar

DROPDOWNS

The .dropdown class indicates a dropdown menu.

To open the dropdown menu, use a button or a link with a class of .dropdown-toggle and the data-toggle="dropdown" attribute.

The .caret class creates a caret arrow icon (), which indicates that the button is a dropdown. Add the .dropdown-menu class to a element to actually build the dropdown menu.

```
Example:
```

```
<div class="dropdown">
 <button class="btn btn-primary dropdown-toggle" type="button" data-toggle="dropdown">Dropdown
```

Example

```
<span class="caret"></span></button>
ul class="dropdown-menu">
 <a href="#">HTML</a>
 <a href="#">CSS</a>
 <a href="#">JavaScript</a>
</div>
```

BUTTONS/ BUTTON GROUPS

```
<button type="button" class="btn">Basic</button>
<button type="button" class="btn btn-default">Default/button>
<button type="button" class="btn btn-primary">Primary</button>
<button type="button" class="btn btn-success">Success/button>
<button type="button" class="btn btn-info">Info</button>
<button type="button" class="btn btn-warning">Warning</button>
<button type="button" class="btn btn-danger">Danger/button>
<button type="button" class="btn btn-link">Link/button>
Button Size
```

.btn-la

.btn-sm

.btn-xs

The class .active makes a button appear pressed, and the class .disabled makes a button unclickable

PAGINATION/ BREADCRUMBS

If you have a web site with lots of pages, you may wish to add some sort of pagination to each page. **Example:**

```
<a href="#">1</a>
<a href="#">2</a>
<a href="#">3</a>
<a href="#">4</a>
<a href="#">5</a>
```

Add class .pagination-lg for larger blocks or .pagination-sm for smaller blocks.

The .breadcrumb class indicates the current page's location within a navigational hierarch

LABELS

Use the .label class, followed by one of the six contextual classes .label-default, .label-primary, .labelsuccess, .label-info, .label-warning or .label-danger, within a element to create a label.

Example:

```
<div class="container">
 <h2>Contextual Label Classes</h2>
```

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```
Contextual classes can be used to color the label.
 <span class="label label-default">Default Label
 <span class="label label-primary">Primary Label
 <span class="label label-success">Success Label</span>
 <span class="label label-info">Info Label</span>
 <span class="label label-warning">Warning Label</span>
 <span class="label label-danger">Danger Label</span>
</div>ALERTS
```

PROGRESS BARS

A progress bar can be used to show a user how far along he/she is in a process. Bootstrap provides several types of progress bars.

Example:

```
<div class="progress-bar" role="progressbar" aria-valuenow="70"</pre>
 aria-valuemin="0" aria-valuemax="100" style="width:70%">
  <span class="sr-only">70% Complete</span>
 </div>
The contextual classes that can be used with progress bars are:
.progress-bar-success
.progress-bar-info
```

.progress-bar-warning

.progress-bar-danger

Add class .progress-bar-striped to add stripes to the progress bar.

Add class .active to animate the progress bar.

ACCORDION

CARD

MODAL

The Modal plugin is a dialog box/popup window that is displayed on top of the current page.

Tip: Plugins can be included individually (using Bootstrap's individual "modal.js" file), or all at once (using "bootstrap.js" or "bootstrap.min.js").

Example:

```
<div class="container">
 <h2>Modal Example</h2>
 <!-- Trigger the modal with a button -->
 <button type="button" class="btn btn-info btn-lg" data-toggle="modal" data-target="#myModal">Open
Modal</button>
 <!-- Modal -->
 <div class="modal fade" id="myModal" role="dialog">
  <div class="modal-dialog">
   <!-- Modal content-->
   <div class="modal-content">
    <div class="modal-header">
      <button type="button" class="close" data-dismiss="modal">&times;</button>
```

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The "Trigger" part:

To trigger the modal window, you need to use a button or a link.

Then include the two data-* attributes:

data-toggle="modal" opens the modal window

data-target="#myModal" points to the id of the modal

The "Modal" part:

The parent <div> of the modal must have an ID that is the same as the value of the data-target attribute used to trigger the modal ("myModal").

The .modal class identifies the content of <div> as a modal and brings focus to it.

The .fade class adds a transition effect which fades the modal in and out. Remove this class if you do not want this effect.

The attribute role="dialog" improves accessibility for people using screen readers.

The .modal-dialog class sets the proper width and margin of the modal.

The "Modal content" part:

The <div> with class="modal-content" styles the modal (border, background-color, etc.). Inside this <div>, add the modal's header, body, and footer.

The .modal-body class is used to define the style for the body of the modal. Add any HTML markup here; paragraphs, images, videos, etc.

The .modal-footer class is used to define the style for the footer of the modal. Note that this area is right aligned by default.

COLORS/ BACKGROUND

Text Colors

Bootstrap 4 has some contextual classes that can be used to provide "meaning through colors".

The classes for text colors are: .text-muted, .text-primary, .text-success, .text-info, .text-warning, .text-danger, .text-secondary, .text-white, .text-dark, .text-body (default body color/often black) and .text-light You can also add 50% opacity for black or white text with the .text-black-50 or .text-white-50 classes.

Example:

```
This text represents some information.
This text represents a warning.
This text represents danger.
Secondary text.
This text is dark grey.
Default body color (often black).
This text is light grey (on white background).
This text is white (on white background).
</div>
```

Background Colors

The classes for background colors are: .bg-primary, .bg-success, .bg-info, .bg-warning, .bg-danger, .bg-secondary, .bg-dark and .bg-light.

Note that background colors do not set the text color, so in some cases you'll want to use them together with a .text-* class.

Example:

```
<div class="container">
  <h2>Contextual Backgrounds</h2>
  Use the contextual background classes to provide "meaning through colors".
  Note that you can also add a .text-* class if you want a different text color:
  This text is important.
  This text indicates success.
  This text represents some information.
  This text represents a warning.
  This text represents danger.
  Secondary background color.
  Dark grey background color.
  Light grey background color.
  </div>
```

BORDERS

Use the border classes to add or remove borders from an element Example
<style>
.border {
 display: inline-block;
 width: 70px;
 height: 70px;
 margin: 6px;
}
</style>

```
<div class="container">
  <h2>Borders</h2>
  Use the border classes to add or remove borders from an element:
  <span class="border"></span>
  <span class="border border-0"></span>
  <span class="border border-top-0"></span>
  <span class="border border-top-0"></span>
  <span class="border border-right-0"></span>
```

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</div>

Border color

Border Radius

POSITION

Use the .fixed-top class to make any element fixed/stay at the top of the page.

Use the .fixed-bottom class to make any element fixed/stay at the bottom of the page:

Use the .sticky-top class to make any element fixed/stay at the top of the page when you scroll past it.

Note: This class does not work in IE11 and earlier (will treat it as position:relative).

<nav class="navbar navbar-expand-sm bg-dark navbar-dark fixed-top"> </nav>

SPACING

Bootstrap 4 has a wide range of responsive margin and padding utility classes. They work for all breakpoints: xs (<=576px), sm (>=576px), md (>=768px), lg (>=992px) or xl (>=1200px)):

The classes are used in the format: {property}{sides}-{size} for xs and {property}{sides}-{breakpoint}-{size} for sm, md, lg, and xl.

Where property is one of:

m - sets margin p - sets padding Where sides is one of:

t - sets margin-top or padding-top

b - sets margin-bottom or padding-bottom

I - sets margin-left or padding-left

r - sets margin-right or padding-right

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- x sets both padding-left and padding-right or margin-left and margin-right
- y sets both padding-top and padding-bottom or margin-top and margin-bottom

blank - sets a margin or padding on all 4 sides of the element Where size is one of:

- 0 sets margin or padding to 0
- 1 sets margin or padding to .25rem (4px if font-size is 16px)
- 2 sets margin or padding to .5rem (8px if font-size is 16px)
- 3 sets margin or padding to 1rem (16px if font-size is 16px)
- 4 sets margin or padding to 1.5rem (24px if font-size is 16px)
- 5 sets margin or padding to 3rem (48px if font-size is 16px)

auto - sets margin to auto

Note: margins can also be negative, by adding an "n" in front of size:

- n1 sets margin to -.25rem (-4px if font-size is 16px)
- n2 sets margin to -.5rem (-8px if font-size is 16px)
- n3 sets margin to -1rem (-16px if font-size is 16px)
- n4 sets margin to -1.5rem (-24px if font-size is 16px)
- n5 sets margin to -3rem (-48px if font-size is 16px)

VERTICAL ALIGN

Use the align- classes to change the alignment of elements (only works on inline, inline-block, inline-table and table cell elements.

- baseline
- top
- middle
- bottom
- text-top
- text-bottom

For reference only.

Class	Description	Category
.active	Adds a grey background color to the table row (or table cell () (same color used on hover)	<u>Tables</u>
.active	Adds a gray background color to the active link in a default navbar. Adds a black background and a white color to the current link inside an inverted navbar.	Navbar

.active	Adds a blue background color to the active list item in a list group	List Groups
.active	Adds a blue background color to simulate a "pressed" button	<u>Buttons</u>
.active	Animates a striped progress bar	Progress Bars
.active	Adds a blue background color to the active dropdown item in a dropdown	<u>Dropdowns</u>
.active	Adds a blue background color to the active pagination link (to highlight the current page)	Pagination
.affix	The Affix plugin allows an element to become affixed (locked/sticky) to an area on the page. It toggles position: fixed on and off	Affix
.alert	Creates an alert message box	<u>Alerts</u>
.alert-danger	Red alert box. Indicates a dangerous or potentially negative action	<u>Alerts</u>
.alert- dismissible	Together with the .close class, this class is used to close the alert	Alerts
.alert-info	Light-blue alert box. Indicates some information	<u>Alerts</u>
.alert-link	Used on links inside alerts to add matching colored links	<u>Alerts</u>
.alert- success	Green alert box. Indicates a successful or positive action	<u>Alerts</u>

.alert- warning	Yellow alert box. Indicates caution should be taken with this action	<u>Alerts</u>
.badge	Creates a circular badge (grey circle - often used as a numerical indicator)	<u>Badges</u>
.bg-danger	Adds a red background color to an element. Represents danger or a negative action	<u>Helpers</u>
.bg-info	Adds a light-blue background color to an element. Represents some information	<u>Helpers</u>
.bg-primary	Adds a blue background color to an element. Represents something important	<u>Helpers</u>
.bg-success	Adds a green background color to an element. Indicates success or a positive action	<u>Helpers</u>
.bg-warning	Adds a yellow background color to an element. Represents a warning or a negative action	<u>Helpers</u>
.breadcrumb	A pagination. Indicates the current page's location within a navigational hierarchy	Pagination
.btn	Creates a basic button (gray background and rounded corners)	Buttons
.btn-block	Creates a block level button that spans the entire width of the parent element	<u>Buttons</u>
.btn-danger	Red button. Indicates danger or a negative action	<u>Buttons</u>
.btn-default	Default button. White background and grey border	<u>Buttons</u>

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.btn-group	Groups buttons together on a single line	Button Groups
.btn-group-justified	Makes a group of buttons span the entire width of the screen	Button Groups
.btn-group-lg	Large button group (makes all buttons in a button group larger - increased font-size and padding)	Button Groups
.btn-group-sm	Small button group (makes all buttons in a button group smaller)	Button Groups
.btn-group-xs	Extra small button group (makes all buttons in a button group extra small)	Button Groups
.btn-group- vertical	Makes a button group appear vertically stacked	Button Groups
.btn-info	Light-blue button. Represents information	<u>Buttons</u>
.btn-link	Makes a button look like a link (get button behavior)	<u>Buttons</u>
.btn-lg	Large button	<u>Buttons</u>
.btn-primary	Blue button.	Buttons
.btn-sm	Small button	<u>Buttons</u>
.btn-success	Green button. Indicates success or a positive action	<u>Buttons</u>
.btn-warning	Yellow button. Represents warning or a negative action	<u>Buttons</u>
		-

.btn-xs	Extra small button	<u>Buttons</u>
.caption	Adds a caption text inside a .thumbnail	<u>Images</u>
.caret	Creates a caret arrow icon , which indicates that the button is a dropdown	Dropdowns
.carousel	Creates a carousel (slideshow)	<u>Carousel</u>
.carousel- caption	Creates a caption text for each slide in the carousel	Carousel
.carousel-control	Container for next and previous links	Carousel
.carousel- indicators	Adds little dots/indicators at the bottom of each slide (which indicates how many slides there is in the carousel, and which slide the user are currently viewing)	Carousel
.carousel- inner	Container for slide items	Carousel
.center-block	Centers any element (Sets an element to display:block with margin-right:auto and margin-left:auto)	<u>Helpers</u>
.checkbox	Container for checkboxes	<u>Inputs</u>
.checkbox- inline	Makes multiple checkboxes appear on the same line	<u>Inputs</u>
.clearfix	Clears floats	<u>Helpers</u>

.close	Indicates a close icon	<u>Helpers</u>
.col-*-*	Responsive grid (span 1-12 column). Extra small devices Phones (< 768px), Small devices Tablets (≥768px), Medium devices Desktops (≥992px), Large devices Desktops (≥1200px). Column values can be 1-12.	<u>Grid</u>
.col-*- offset-*	Move columns to the right. These classes increase the left margin of a column by * columns	Grid
.col-*-pull-*	Changes the order of the grid columns	<u>Grid</u>
.col-*-push-*	Changes the order of the grid columns	<u>Grid</u>
.collapse	Indicates collapsible content - which can be hidden or shown on demand	<u>Collapse</u>
.collapse in	Show the collapsible content by default	<u>Collapse</u>
.container	Fixed width container with widths determined by screen sites. Equal margin on the left and right.	<u>Containers</u>
.container-fluid	A container that spans the full width of the screen	Containers
.control-	Allows a label to be used for form validation	<u>Forms</u>
.danger	Adds a red background to the table row (<u>Tables</u>

.disabled	Disables a button (adds opacity and a "no-parking-sign" icon on hover)	Buttons
.disabled	Disables a dropdown item (adds a grey text color and a "no-parking-sign" icon on hover)	<u>Dropdowns</u>
.disabled	Disables a pagination link (cannot be clicked - adds a grey text color and a "no-parking-sign" icon on hover)	Pagination
.disabled	Disables a list item in a list group (cannot be clicked - adds a grey background color and a "no-parking-sign" icon on hover)	<u>List Groups</u>
.divider	Used to separate links in the dropdown menu with a thin horizontal border	<u>Dropdowns</u>
.dl- horizontal	Lines up the terms <dt> and descriptions <dd> in <dl> elements side-by-side. Starts off like default <dl>s, but when the browser window expands, it will line up side-by-side</dl></dl></dd></dt>	Typography
.dropdown	Creates a toggleable menu that allows the user to choose one value from a predefined list	Dropdowns
.dropdown- header	Used to add headers inside the dropdown menu	Dropdowns
.dropdown-menu	Adds the default styles for the dropdown menu container	<u>Dropdowns</u>
.dropdown- menu-right	Right-aligns a dropdown menu	Dropdowns

.dropdown- toggle	Used on the button that should hide and show (toggle) the dropdown menu	<u>Dropdowns</u>
.dropup	Indicates a dropup menu (upwards instead of downwards)	<u>Dropdowns</u>
.embed- responsive	Container for embedded content. Makes videos or slideshows scale properly on any device	<u>Images</u>
.embed- responsive- 16by9	Container for embedded content. Creates an 16:9 aspect ratio embedded content	<u>Images</u>
.embed- responsive- 4by3	Container for embedded content. Creates an 4:3 aspect ratio embedded content	<u>Images</u>
.embed- responsive- item	Used inside .embed-responsive. Scales the video nicely to the parent element	<u>Images</u>
.fade	Adds a fading effect when closing an alert box	<u>Alerts</u>
.form-control	Used on input, textarea, and select elements to span the entire width of the page and make them responsive	<u>Forms</u>
.form- control- feedback	Form validation class	Inputs 2
.form- control- static	Adds plain text next to a form label within a horizontal form	Inputs 2
.form-group	Container for form input and label	<u>Forms</u>

.form-inline	Makes a <form> left-aligned with inline-block controls (This only applies to forms within viewports that are at least 768px wide)</form>	<u>Forms</u>
.form- horizontal	Aligns labels and groups of form controls in a horizontal layout	<u>Forms</u>
.glyphicon	Creates an icon. Bootstrap provides 260 free glyphicons from the <u>Glyphicons</u> Halflings set	<u>Glyphicons</u>
.has-danger	Adds a red color to the label and a red border to the input, as well as an error icon inside the input (used together with has-feedback)	<u>Forms</u>
.has-feedback	Adds feedback icons for inputs (checkmark, warning and error signs)	<u>Forms</u>
.has-success	Adds a green color to the label and a green border to the input, as well as a checkmark icon inside the input (used together with has-feedback)	<u>Forms</u>
.has-warning	Adds a yellow/orange color to the label and a yellow/orange border to the input, as well as a checkmark icon inside the input (used together with has-feedback)	<u>Forms</u>
.help-block	A block of help text that breaks onto a new line and may extend beyond one line.	Input Sizing
.hidden	Forces an element to be hidden (display:none)	<u>Helpers</u>
.hidden-*	Hides content depending on screen size	<u>Helpers</u>
.hide	Deprecated. Use .hidden instead	<u>Helpers</u>

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.h1h6	Makes an element look like a heading of the chosen class (h1-h6)	Typography
.icon-bar	Used in the navbar to create a hamburger menu (three horizontal bars)	<u>Navbar</u>
.icon-next	Unicode icon (arrow pointing right), used in carousels. This is often replaced with a glyphicon	Carousel
.icon-prev	Unicode icon (arrow pointing left), used in carousels. This is often replaced with a glyphicon	Carousel
.img-circle	Shapes an image to a circle (not supported in IE8 and earlier)	<u>Images</u>
.img- responsive	Makes an image responsive	<u>Images</u>
.img-rounded	Adds rounded corners to an image	<u>Images</u>
.img- thumbnail	Shapes an image to a thumbnail (borders)	<u>Images</u>
.in	Fades in tabs	<u>Tabs</u>
.info	Adds a light-blue background to the table row (or table cell (). Indicates a neutral informative change or action	<u>Tables</u>
.initialism	Displays the text inside an <abbr> element in a slightly smaller font size</abbr>	Typography
.input-group	Container to enhance an input by adding an icon, text or a button in front or behind it as a "help text"	<u>Inputs</u>

.input-group-	Large input group	<u>Inputs</u>
.input-group-	Small input group	<u>Inputs</u>
.input-group- addon	Together with the .input-group class, this class makes it possible to add an icon or help text next to the input field	<u>Inputs</u>
.input-group- btn	Together with the .input-group class, this class attaches a button next to an input. Often used as a search bar	<u>Inputs</u>
.input-lg	Large input field	Input Sizing
.input-sm	Small input field	Input Sizing
.invisible	Makes an element invisible (visibility:hidden). Note: Even though the element is invisible, it will take up space on the page	<u>Helpers</u>
.item	Class added to each carousel item. May be text or images	Carousel
.jumbotron	Creates a padded grey box with rounded corners that enlarges the font sizes of the text inside it. Creates a big box for calling extra attention to some special content or information	<u>Jumbotron</u>
.label	Adds a grey rounded box to an element. Provides additional information about something (e.g. "New")	<u>Labels</u>

.label-danger	Red label	<u>Labels</u>
.label-info	Light-blue label	<u>Labels</u>
.label- success	Green label	<u>Labels</u>
.label- warning	Yellow label	<u>Labels</u>
.lead	Increase the font size and line height of a paragraph	Typography
.left	Used to identify the left carousel control	<u>Carousel</u>
.list-group	Creates a bordered list group for <1i> elements	List Group
.list-group- item	Added to each element in the list group	List Group
.list-group- item-heading	Creates a list group heading (used on other elements besides <1i>)	List Group
.list-group- item-text	Used for item text inside the list group (used on other elements besides)	List Group
.list-group- item-danger	Red background color for a list item in a list group	List Group
.list-group- item-info	Light-blue background color for a list item in a list group	List Group
.list-group- item-success	Green background color for a list item in a list group	List Group

.list-group- item-warning	Yellow background color for a list item in a list group	List Group
.list-inline	Places all list items on a single line (horizontal menu)	<u>Tabs</u>
.list- unstyled	Removes all default list-style (bullets, left margin, etc.) styling from a or list 	Typography
.mark	Highlights text: Highlighted text	Typography
.media	Aligns media objects (like images or videos - often used for comments in a blog post etc)	Media Objects
.media-body	Text that should appear next to a media object	Media Objects
.media- heading	Creates a heading inside the media object	Media Objects
.media-list	Nested media lists	Media Objects
.media-object	Indicates a media object (image or video)	Media Objects
.modal	Identifies the content as a modal and brings focus to it	Modals
.modal-body	Defines the style for the body of the modal. Add any HTML markup here (p, img, etc)	Modals
.modal-content	Styles the modal (border, background-color, etc). Inside this, add the modal's header, body and footer, if needed	Modals

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.modal-dialog	Sets the proper width and margin of the modal	<u>Modals</u>
.modal-footer	The footer of the modal (often contains an action button and a close button)	Modals
.modal-header	The header of the modal (often contains a title and a close button)	<u>Modals</u>
.modal-lg	Large modal (wider than default)	<u>Modals</u>
.modal-open	Used on the <body> element to prevent page scrolling (overflow:hidden)</body>	Modals
.modal-sm	Small modal (less width)	<u>Modals</u>
.modal-title	The title of the modal	Modals
.nav nav-tabs	Indicates a tabbed menu	<u>Tabs</u>
.nav nav- pills	Indicates a pill menu	<u>Tabs</u>
.nav .navbar- nav	Used on a container that contains the list itemswith links inside a navigation bar	<u>Navbar</u>
.nav- justified	Centers tabs/pills. Note that on screens smaller than 768px the items are stacked (content will remain centered)	<u>Tabs</u>
.nav-stacked	Vertically stack tabs or pills	<u>Tabs</u>
.nav-tabs	Creates a tabbed menu	<u>Tabs</u>

.navbar	Creates a navigation bar	Navbar
.navbar-brand	Added to a link or a header element inside the navbar to represent a logo or a header	Navbar
.navbar-btn	Vertically aligns a button inside a navbar	Navbar
.navbar- collapse	Collapses the navbar (hidden and replaced with a menu/hamburger icon on mobile phones and small tablets)	Navbar
.navbar- default	Creates a default navigation bar (light-grey background color)	<u>Navbar</u>
.navbar- fixed-bottom	Makes the navbar stay at the bottom of the screen (sticky/fixed)	<u>Navbar</u>
.navbar- fixed-top	Makes the navbar stay at the top of the screen (sticky/fixed)	<u>Navbar</u>
.navbar-form	Added to form elements inside the navbar to vertically center them (proper padding)	Navbar
.navbar- header	Added to a container element that contains the link/element that represent a logo or a header	Navbar
.navbar- inverse	Creates a black navigation bar (instead of light-grey)	<u>Navbar</u>
.navbar-left	Aligns nav links, forms, buttons, or text, in the navbar to the left	Navbar
.navbar-link	Styles an element to look like a link inside the navbar (anchors get proper padding and an underline on hover, while other elements like p or span gets a	<u>Navbar</u>

	default hover effect - white color in an inversed navbar and a black color in a default navbar)	
.navbar-nav	Used on a container that contains the list items with links inside a navigation bar 	Navbar
.navbar-right	Aligns nav links, forms, buttons, or text in the navbar to the right.	<u>Navbar</u>
.navbar- static-top	Removes left, top and right borders (rounded corners) from the navbar (default navbar has a gray border and a 4px border-radius by default)	Navbar
.navbar-text	Vertical align any elements inside the navbar that are not links (ensures proper padding)	<u>Navbar</u>
.navbar- toggle	Styles the button that should open the navbar on small screens. Often used together with three .iconbar classes to indicate a toggleable menu icon (hamburger/bars)	<u>Navbar</u>
.next	Used in the carousel control to identity the next control	Carousel
.next	Used to align pager buttons to the right side of the page (next button)	<u>Pager</u>
.page-header	Adds a horizontal line under the heading (+ adds some extra space around the element)	<u>Page</u> <u>Header</u>
.pager	Creates previous/next buttons (used on 	<u>Pager</u>
.pagination	Creates a pagination (Useful when you have a web site with lots of pages. Used on elements)	<u>Pagination</u>

.pagination- lg	Large pagination (each pagination link gets a font-size of 18px. Default is 14px)	Pagination
.pagination-	Small pagination (each pagination link gets a font-size of 12px. Default is 14px)	Pagination
.panel	Creates a bordered box with some padding around its content	<u>Panels</u>
.panel-body	Container for content inside the panel	<u>Panels</u>
.panel- collapse	Collapsible panel (toggle between hiding and showing panel(s))	<u>Collapse</u>
.panel-danger	Red panel. Indicates danger	<u>Panels</u>
.panel-info	Light-blue panel. Indicates information	<u>Panels</u>
.panel-success	Green panel. Indicates success	<u>Panels</u>
.panel- warning	Yellow panel. Indicates warning	<u>Panels</u>
.panel-footer	Creates a panel footer (light background color)	<u>Panels</u>
.panel-group	Used to group many panels together. This removes the bottom margin below each panel	<u>Panels</u>
.panel- heading	Creates a panel header (light background color)	<u>Panels</u>

.panel-title	Used inside a <pre>.panel-heading</pre> to adjust the styling of the text (removes margins and adds a font-size of 16px)	<u>Panels</u>
.popover	Popup-box that appears when the user clicks on an element	<u>Popover</u>
.pre- scrollable	Makes a <pre> element scrollable (max-height of 350px and provide a y-axis scrollbar)</pre>	<u>Helpers</u>
.prev	Used in carousels to indicate a "previous" link	<u>Carousel</u>
.previous	Used to align pager buttons to the left side of the page (previous button)	<u>Pager</u>
.progress	Container for progress bars	Progress Bars
.progress-bar	Creates a progress bar	Progress Bars
.progress- bar-danger	Red progress bar. Indicates danger	Progress Bars
.progress- bar-info	Light-blue progress bar. Indicates information	Progress Bars
.progress- bar-striped	Creates a striped progress bar	Progress Bars
.progress- bar-success	Green progress bar. Indicates success	Progress Bars

.progress- bar-warning	Yellow progress bar. Indicates warning	Progress Bars
.pull-left	Float an element to the left	<u>Helpers</u>
.pull-right	Float an element to the right	<u>Helpers</u>
.right	Used to identify the right carousel control	Carousel
.row	Container for responsive columns	Grid
.row-no-gutters	Removes the gutters from a row and its columns	Grid
.show	Shows an element (display:block)	<u>Helpers</u>
.small	Creates a lighter, secondary text in any heading	Typography
.sr-only	Hides an element on all devices except for screen readers	<u>Helpers</u>
.sr-only-focusable	Hides an element on all devices except for screen readers	<u>Helpers</u>
.success	Adds a green background color to a table row (or table cell (). Indicates success or a positive action	<u>Tables</u>
.tab-content	Used together with .tab-pane to creates toggleable/dynamic tabs/pills	<u>Tabs</u>
.tab-pane	Used together with .tab-content to creates toggleable/dynamic tabs/pills	<u>Tabs</u>

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.table	Adds basic styling to a table (padding, bottom borders, etc)	<u>Tables</u>
.table- bordered	Adds borders on all sides of the table and cells	<u>Tables</u>
.table- condensed	Makes a table more compact by cutting cell padding in half	<u>Tables</u>
.table-hover	Creates a hoverable table (adds a grey background color on table rows on hover)	<u>Tables</u>
.table- responsive	Makes a table responsive (adds a horizontal scrollbar when needed)	<u>Tables</u>
.text- capitalize	Indicates capitalized text	Typography
.text-center	Center-aligns text	Typography
.text-danger	Red text color. Indicates danger	Typography
.text-hide	Hides text (helps replace an element's text content with a background image)	Typography
.text-info	Light-blue text color. Indicates information	Typography
.text-justify	Indicates justified text	Typography
.text-left	Aligns the text to the left	Typography
.text- lowercase	Changes text to lowercase	Typography

.text-muted	Grey text color	Typography
.text-nowrap	Prevents the text from wrapping	Typography
.text-primary	Blue text color	Typography
.text-right	Aligns text to the right	Typography
.text-success	Green text color. Indicates success	Typography
.text- uppercase	Makes text uppercase	Typography
.text-warning	Yellow/orange text color. Indicates warning	Typography
.thumbnail	Adds a border around an element (often images or videos) to make it look like a thumbnail	<u>Images</u>
.tooltip	Popup-box that appears when the user moves the mouse pointer over an element	Tooltip
.visible-*	Deprecated as of v3.2.0. Used to show and/or hide content by device. Note: Use .hidden-* instead	<u>Helpers</u>
.visible- print-block	Displays the element (display:block) in print (pre)view	<u>Helpers</u>
.visible- print-inline	Displays the element (display:inline) in print (pre)view	<u>Helpers</u>
.visible- print-inline- block	Displays the element (display:inline-block) in print (pre)view	<u>Helpers</u>

.hidden-print	Hides the element (display:none) in print (pre)view	<u>Helpers</u>
.warning	Adds a yellow background color to the table row (or table cell (). Indicates a warning	<u>Tables</u>
.well	Adds a rounded border around an element with a gray background color and some padding	<u>Wells</u>
.well-lg	Large well (more padding)	Wells
.well-sm	Small well (less padding)	Wells