

strategy | consulting | digital | **technology** | operations

# MODULE BOOTSTRAP



# Module 6 Objectives

- Upon completing this module, the learner will be able to:
  - Understand Bootstrap Grid System
  - Understand Bootstrap Styling class for:
    - Text Transformation
    - List
    - Heading
    - Form
    - Table

# Module 6 Agenda

Topic Name	Duration
<b>Introduction to Bootstrap</b>	<b>20 min</b>
Getting started with Bootstrap	20 mins
Bootstrap Grid System	30 mins
Bootstrap Typographs	20 min
Bootstrap Table	20 mins
Bootstrap Form	20 mins

# Introduction to Bootstrap

- Bootstrap is a powerful front-end development framework
- Bootstrap makes web development faster and easier with the template it has for :
  - Forms
  - Table
  - Buttons
  - And many more.
- Bootstrap gives ability to create responsive layouts with less efforts.
- It is compatible with all modern browsers and it is completely free.



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# Getting started with Bootstrap

- To start with Bootstrap first download it and include it in document.
- There are two ways to embedded Bootstrap in document:
  1. Download Bootstrap from [getbootstrap.com](http://getbootstrap.com)
  2. Include Bootstrap from CDN

# Getting started with Bootstrap

- Download Bootstrap from [getbootstrap.com](http://getbootstrap.com)
  - There are two version available : Compiled and Bootstrap Source File.
  - For our training we would use Compiled Bootstrap which contains of the minifies version.
  - Once downloaded , unzip the compressed folder and include bootstrap.min.js in the document.

```
<script src="bootstrap.min.js"></script>
```

# Getting started with Bootstrap

- Include Bootstrap from CDN

```
<!-- Latest compiled and minified CSS -->  
<link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com  
/bootstrap/3.3.7/css/bootstrap.min.css">
```

```
<!-- jQuery library -->  
<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.2.  
1/jquery.min.js"></script>
```

```
<!-- Latest compiled JavaScript -->  
<script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.  
7/js/bootstrap.min.js"></script>
```



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# Containers

- Container is used to wrap the site contents. There are two container classes.
  - **.container** class provides a responsive fixed width container.
  - **.container-fluid** class provides a full width container, spanning the entire width of the viewport.
- they contains row elements and the row elements are the container of columns (known as grid system).

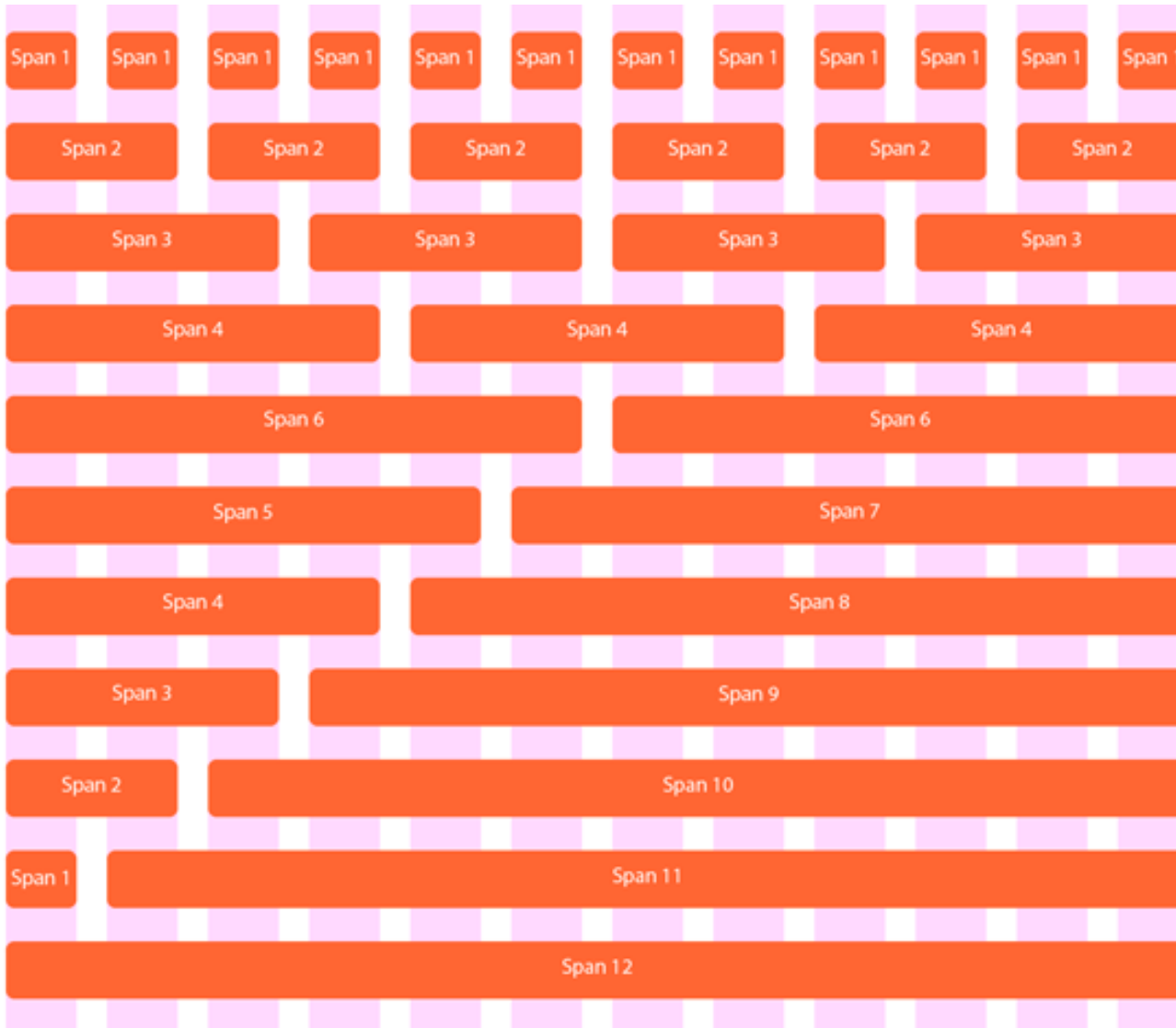
# Bootstrap Grid System

- Bootstrap grid system provides the quick and easy way to create responsive website layouts.
- Bootstrap 3 introduces the responsive mobile first fluid grid system that appropriately scales up to 12 columns as the device or viewport size increases.
- Bootstrap has defined style classes that makes grid layout responsive for different devices like :
  - .col-xs-\* for extra small device (mobile phones)
  - .col-sm-\* for small devices( tablets)
  - .col-md-\* for medium size devices( desktop)
  - .col-lg-\* for large screen desktops

# Bootstrap Grid System

	Extra small devices Phones (<768px)	Small devices Tablets (≥768px)	Medium devices Desktops (≥992px)	Large devices Desktops (≥1200px)
Grid behavior	Horizontal at all times	Collapsed to start, horizontal above breakpoints		
Container width	None (auto)	750px	970px	1170px
Class prefix	.col-xs-	.col-sm-	.col-md-	.col-lg-
# of columns	12			
Column width	Auto	~62px	~81px	~97px
Gutter width	30px (15px on each side of a column)			
Nestable	Yes			
Offsets	Yes			
Column ordering	Yes			

# Bootstrap Grid System



# Demonstration

- Row with 12 columns

```
<div class="container">  
  <div class="row">  
    <div class="col-md-1">Column1</div>  
    <div class="col-md-1">Column2</div>  
    <div class="col-md-1">Column3</div>  
    <div class="col-md-1">Column4</div>  
    <div class="col-md-1">Column5</div>  
    <div class="col-md-1">Column6</div>  
    <div class="col-md-1">Column7</div>  
    <div class="col-md-1">Column8</div>  
    <div class="col-md-1">Column9</div>  
    <div class="col-md-1">Column10</div>  
    <div class="col-md-1">Column11</div>  
    <div class="col-md-1">Column12</div>  
  </div>  
</div>
```

Column1	Column2	Column3	Column4	Column5	Column6	Column7	Column8	Column9	Column10	Column11	Column12
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# Activity

- Create a container with a row divided into 3 equal columns for mediums size desktop.

Column1	Column2	Column 3
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# Bootstrap Typographs

- Heading Styles : Class .h1 to .h6 can applied to other elements for the same heading styling.

```
<div class="h1">h1.Bootstrap heading</div>  
<div class="h2">h2. Bootstrap heading</div>  
<div class="h3">h3. Bootstrap heading</div>  
<div class="h4">h4. Bootstrap heading</div>  
<div class="h5">h5. Bootstrap heading</div>  
<div class="h6">h6. Bootstrap heading</div>
```

```
h1.Bootstrap heading  
h2. Bootstrap heading  
h3. Bootstrap heading  
h4. Bootstrap heading  
h5. Bootstrap heading  
h6. Bootstrap heading
```

# Bootstrap Typographs

- Text Transformation Classes : text-lowercase, text-uppercase, text-capitalize can be applied for text transformation.

```
<p class="text-lowercase">LOWER CASE</p>
```

```
<p class="text-uppercase">upper case</p>
```

```
<p class="text-capitalize">capitalize text</p>
```

lower case

UPPER CASE

Capitalize Text

# Bootstrap Typographs

- Text Transformation Classes : text-lowercase, text-uppercase, text-capitalize can be applied for text transformation.

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<p class="text-lowercase">LOWER CASE</p>
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```
<p class="text-uppercase">upper case</p>
```

```
<p class="text-capitalize">capitalize text</p>
```

lower case

UPPER CASE

Capitalize Text

# Bootstrap Typographs

- Unstyled List: To remove default list styling of <ol> or <ul> using class list-unstyled.

```
<ul class = "list-unstyled">  
  <li>Item 1</li>  
  <li>Item 2</li>  
  <li>Item 3</li>  
  <li>Item 4</li>  
</ul>
```

## Example of Unstyled List

Item 1  
Item 2  
Item 3  
Item 4

# Bootstrap Typographs

- Inline List: To create a horizontal <ol> or <ul> list apply class “list-inline”.

```
<ol class = "list-inline">  
<li>Item 1</li>  
<li>Item 2</li>  
<li>Item 3</li>  
<li>Item 4</li>  
</ol>
```

## Example of Inline List

Item 1   Item 2   Item 3   Item 4

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# Bootstrap Tables

- Table with basic styling : with horizontal divider and small cell padding.

```
<table class="table">
```

Basic Table

Emp Id	First Name	Last Name	Email
1	John	Jacob	johnjacob@mail.com
2	Rose	Peter	rosepeter@mail.com
3	Tom	Jerry	tomjerry@mail.com

# Bootstrap Tables

- Striped Table : Create a table with alternate rows with background color .

```
<table class="table table-striped">
```

Striped Table

Emp Id	First Name	Last Name	Email
1	John	Jacob	johnjacob@mail.com
2	Rose	Peter	rosepeter@mail.com
3	Tom	Jerry	tomjerry@mail.com



# Bootstrap Tables

- All Side Border Table

```
<table class="table table-bordered">
```

Bordered Table

Emp Id	First Name	Last Name	Email
1	John	Jacob	johnjacob@mail.com
2	Rose	Peter	rosepeter@mail.com
3	Tom	Jerry	tomjerry@mail.com

# Bootstrap Tables

- Hover State on Table Row

```
<table class="table table-hover">
```

Emp Id	First Name	Last Name	Email
1	John	Jacob	johnjacob@mail.com
2	Rose	Peter	rosepeter@mail.com
3	Tom	Jerry	tomjerry@mail.com

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# Bootstrap Forms

- Bootstrap simplifies the traditional form controls like labels, input fields , select boxes, etc. with new set of classes for alignment and styling.
- Bootstrap provides 3 different types of form layouts:
  - Vertical
  - Horizontal
  - Inline

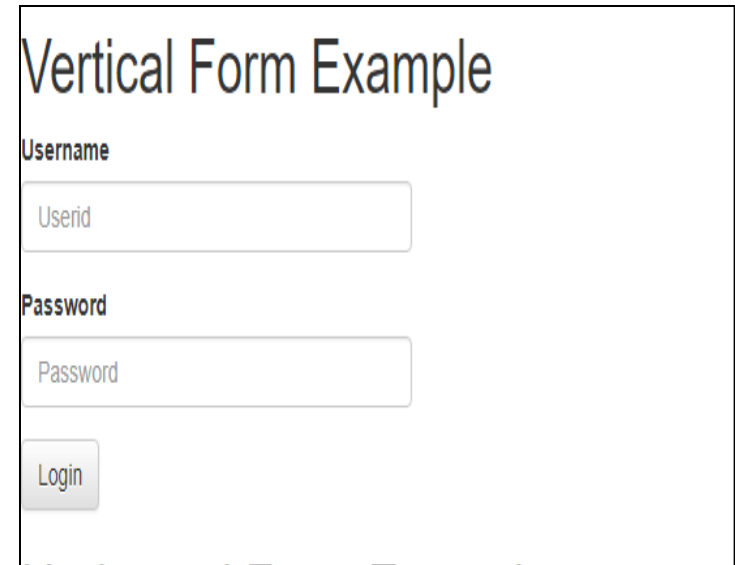
Note : For our learning we would take Vertical and Horizontal.

# Bootstrap Forms - Vertical

- This is the default form layout in Bootstrap.
- Put all form controls in `<div>` with below styling:  

```
<div class="form-group">
```
- Apply below style to all form(input, textarea, select) controls:

```
<input type="text" class="form-control"/>
```



Vertical Form Example

Username

Password

Login

# Bootstrap Forms - Horizontal

- Below are the additional style for horizontal form.
- Form should have below style class applied:

```
<form class="form-horizontal">
```

- All label controls should be applied control-label class along with grid style :

```
<label class="control-label col-sm-4">
```

- All form controls should applied grid style:

```
<input type="text" class="col-sm-8" class="form-control">
```

**Horizontal Form Example**

<b>Username</b>	<input type="text" value="Userid"/>
<b>Password</b>	<input type="password" value="Password"/>
<input type="button" value="Login"/>	

# Module Summary

- Upon completing this module, you should now be able to:
  - Create a document with Bootstrap Grid System
  - Apply following Bootstrap Styling class to document:
    - Text Transformation
    - List
    - Heading
    - Form
    - Table

# Questions

