



Bootstrap

- A front-end framework



Bootstrap Responsive Utilities Classes

- There are few helper classes available in Bootstrap for **showing and hiding content by device**

- If you want to enable the visibility of elements based on the devices when screen size is within a specific range, then you can use the below classes:

.visible-xs-* .visible-sm-* .visible-md-* .visible-lg-*

- Makes the element visible only on devices having screen width less than the limit for that particular device.(<768px,<992px,<1200, >=1200)
- Similarly you have hidden utility classes to hide the elements on certain devices.

.hidden-xs .hidden-sm .hidden-md .hidden-lg

- Makes the element hidden only on the appr. devices having the screen width appr. for that device.

Visibility Demo

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
<title>Example of Bootstrap 3 Visible Responsive Classes</title>
```

```
<link rel="stylesheet" href="css/bootstrap.min.css">
```

```
<link rel="stylesheet" href="css/bootstrap-theme.min.css">
```

```
<script src="js/jquery-2.1.4.min.js"></script>
```

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

```
</head>
```

Copy the necessary files from the Bootstrap downloaded folder to your project folder

****Note: All javascript plugins require jQuery to be included
Download the jquery jar file and copy it to the js folder**

Visibility Demo

```
<div class="bs-example">
```

```
<p class="visible-xs">This paragraph is visible only on <strong>Extra Small  
Devices</strong> that has screen width less than <code>768px</code></p>
```

```
<p class="visible-lg">This paragraph is visible only on <strong>Large  
Devices</strong> that has screen width greater than or equal to  
<code>1200px</code>.</p>
```

```
<p class="visible-lg visible-md visible-sm visible-xs">This paragraph is visible on  
all screen sizes <strong>Large,Medium,Small,Xtra Small Devices</strong> that  
has screen of any width </p>
```

```
</div>
```

```
</body>
```

```
</html>
```



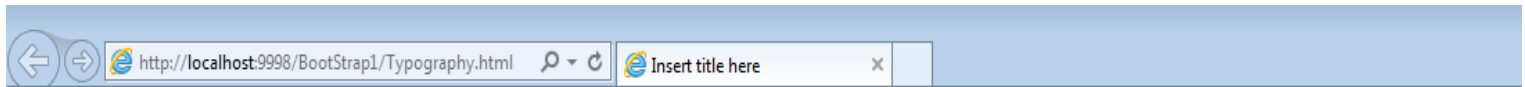
Note the first paragraph is not visible
Reduce the browser and check the output

Bootstrap Typography

- Bootstrap Typography provides styling and formatting of text contents like headings, paragraphs etc.
- Classes for headings: Similar to `<h1>` to `<h6>` tags, we have classes like `.h1` to `.h6`
- Classes for secondary text of any heading: Similar to `<small>` , we have class called `.small`
- Classes for text alignment: `text-left`, `text-center`, `text-right`, `text-justify`, `text-nowrap`
- Classes for text transformation: `text-lowercase`, `text-uppercase`, `text-capitalize`.

Bootstrap Typography -Demo

```
<body>
<h1>H1 heading</h1>
<p class="h1">H1..H6 font size(36 px,30 px,24 px,18 px,14 px,12 px)</p>
Normal font<br>
<p class="small">Small font</p>
<p class="text-lowercase">LOWERCASE</p>
<p class="text-uppercase">uppercase</p>
<p class="text-capitalize">this will be displayed in capitalized font</p>
</body>
```



H1 heading

H1..H6 font size(36 px,30 px,24 px,18 px,14 px,12 px)

Normal font

Small font

lowercase

UPPERCASE

This Will Be Displayed In Capitalized Font

Bootstrap Tables

- Bootstrap provides you several classes using which you can create stylish tables.
- Classes:
 - `.table` : for basic table with horizontal dividers
 - `.table-bordered` (used with `.table` class) : for a table border
 - `.table-striped` (used with `.table` class) : for a zebra striped table
 - `.active`, `.info`, `.success`, `.warning`, `.danger` etc : for emphasizing the row/cell through appropriate colouring.

Bootstrap Tables - Demo

```
<div class="container">
<table class="table">
<tr><th>Empid</th><th>EmpName</th></tr>
<tr><td>1001</td><td>Steve</td></tr>
<tr><td>1002</td><td>Roger</td></tr>
<tr><td>1003</td><td>Peter</td></tr>
<tr><td>1004</td><td>Alex</td></tr>
</table>
</div>
```



Empid	EmpName
1001	Steve
1002	Roger
1003	Peter
1004	Alex

Bootstrap Tables - Demo

```
<div class="container">
<table class="table table-striped table-bordered">
<tr class="active"><th>Msg ID</th><th>Remarks</th></tr>
<tr class="info"><td>M01</td><td>System Running..</td></tr>
<tr class="success"><td>M02</td><td>File Successfully
Downloaded</td></tr>
<tr class="warning"><td>M03</td><td>30 GB more to go</td></tr>
<tr class="danger"><td>M04</td><td>Fire!!! Evacuate</td></tr>
</table>
</div>
```

Msg ID	Remarks
M01	System Running..
M02	File Successfully Downloaded
M03	30 GB more to go
M04	Fire!!! Evacuate

Bootstrap Images

- Images play a very important role in web design.
- Styling images and placing them properly on the pages enhances the look and feel of the web pages
- Bootstrap classes for image related styling:
 - img-rounded, img-circle, img-thumbnail

Bootstrap Images - Demo

```

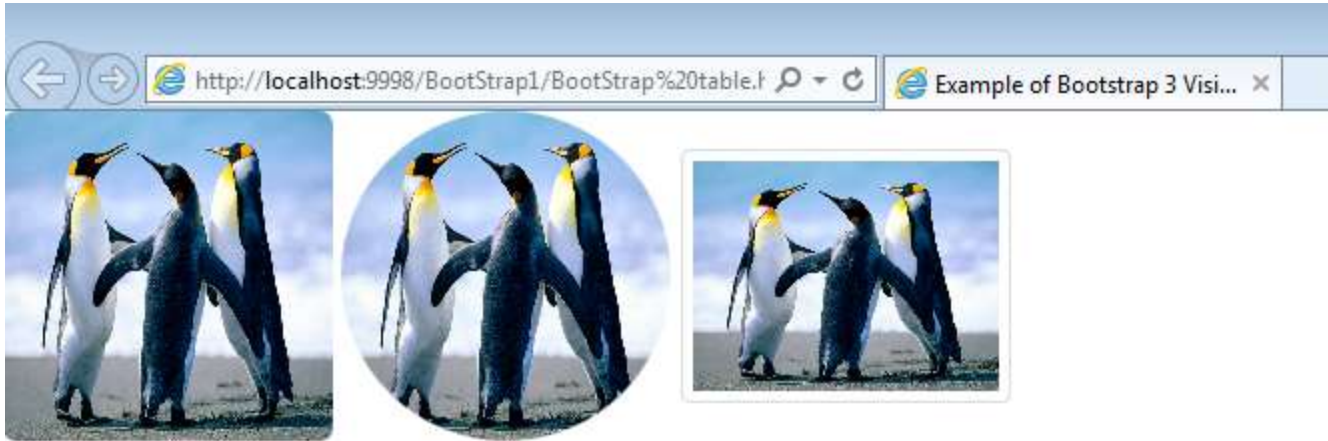
```

```

```

```

```

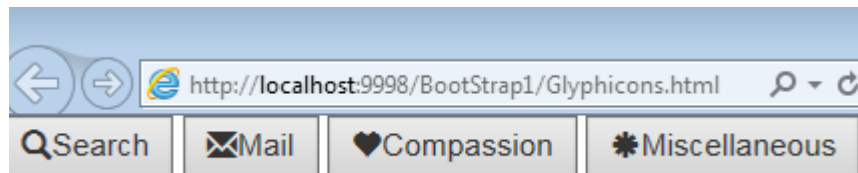


Bootstrap Glyphicons

- Bootstrap 3.3.2 allows around 259 glyphs.
- Few icon classes
 - glyphicon
 - glyphicon-heart
 - glyphicon-asterisk
 - glyphicon-search
 - glyphicon-home
 - glyphicon-envelope
- You can use the bootstrap icons along with the `` tag with the base class “glyphicon” and individual icon class glyphicon-*

Bootstrap Icons - Demo

```
<!DOCTYPE html>
<html lang="en">
<head>
<title>Example of Bootstrap 3 Visible Responsive Classes</title>
<link rel="stylesheet" href="http://maxcdn.bootstrapcdn.com/bootstrap/3.3.4/css/bootstrap.min.css">
<script src="https://ajax.googleapis.com/ajax/libs/jquery/1.11.1/jquery.min.js"></script>
<script src="http://maxcdn.bootstrapcdn.com/bootstrap/3.3.4/js/bootstrap.min.js"></script>
</head>
<body>
<button><span class="glyphicon glyphicon-search"></span>Search</button>
<button><span class="glyphicon glyphicon-envelope"></span>Mail</button>
<button><span class="glyphicon glyphicon-heart"></span>Compassion</button>
<button><span class="glyphicon glyphicon-asterisk"></span>Miscellaneous</button>
</body>
</html>
```



Bootstrap Alert

- Bootstrap provides 4 different types of alerts
- Alert related bootstrap classes:
 - alert-success
 - alert-warning
 - alert-info
 - alert-danger

Example :

```
<div class="alert alert-success">  
  <strong>Success!</strong>  
</div>
```

Alerts

Success!

Info!

Warning!

Danger!

Bootstrap Buttons

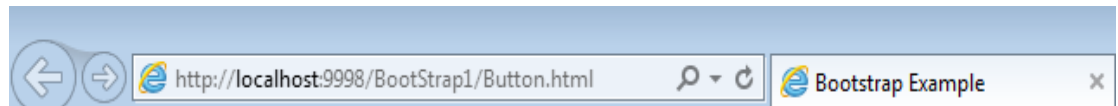
- Using Bootstrap we can enhance the views of normal HTML Buttons
- The following are some of the button styles available

- Button Styles

- .btn-default
- .btn-primary
- .btn-success
- .btn-info
- .btn-warning
- .btn-danger
- .btn-link

- Button Sizes

- .btn-lg
- .btn-md
- .btn-sm
- .btn-xs



Button Styles



Button Sizes



Example :

```
<button type="button" class="btn btn-default">Default</button>
```

Quiz

1. Which of the following is used to add images to text, buttons etc?
 - a. icons
 - b. glyphicons
 - c. emoticons
 - d. None of the above

2. Which of the following bootstrap class should we use to display an image in a circular format?
 - a. img-rounded
 - b. img-circle
 - c. img-thumbnail
 - d. None of the above



Thank You

