



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>
```



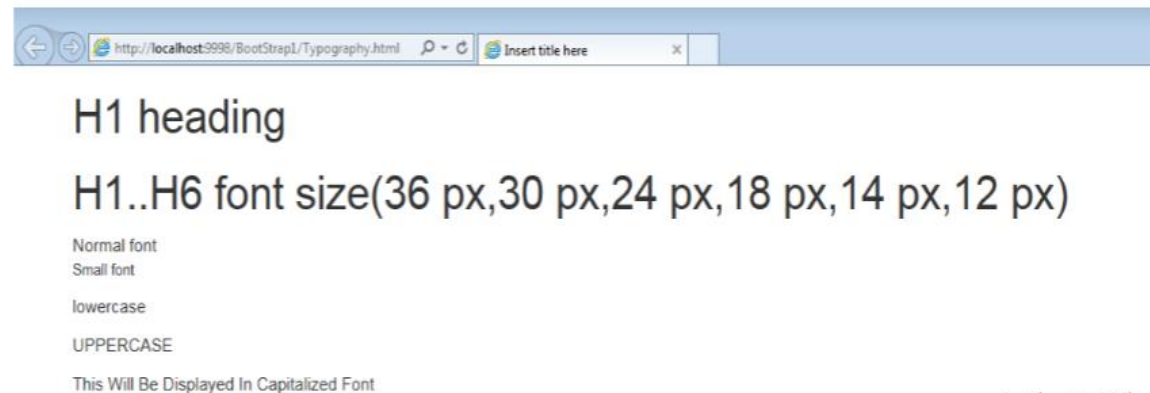
Note the first paragraph is not visible
Reduce the browser and check the output

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>
```

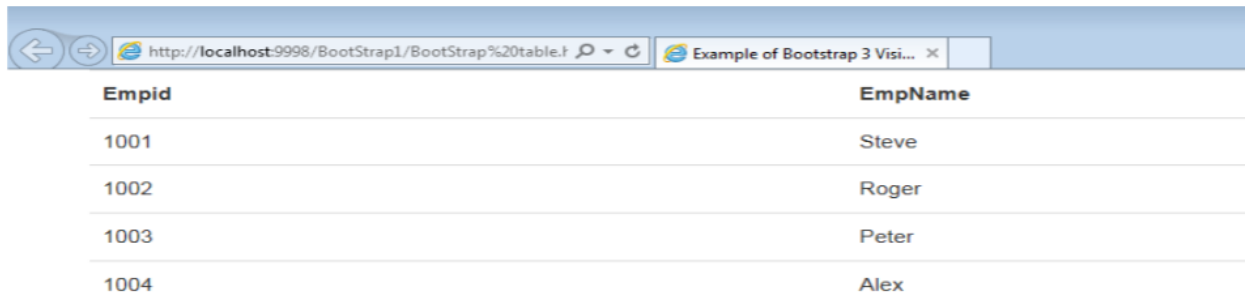


Bootstrap Tables

- 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

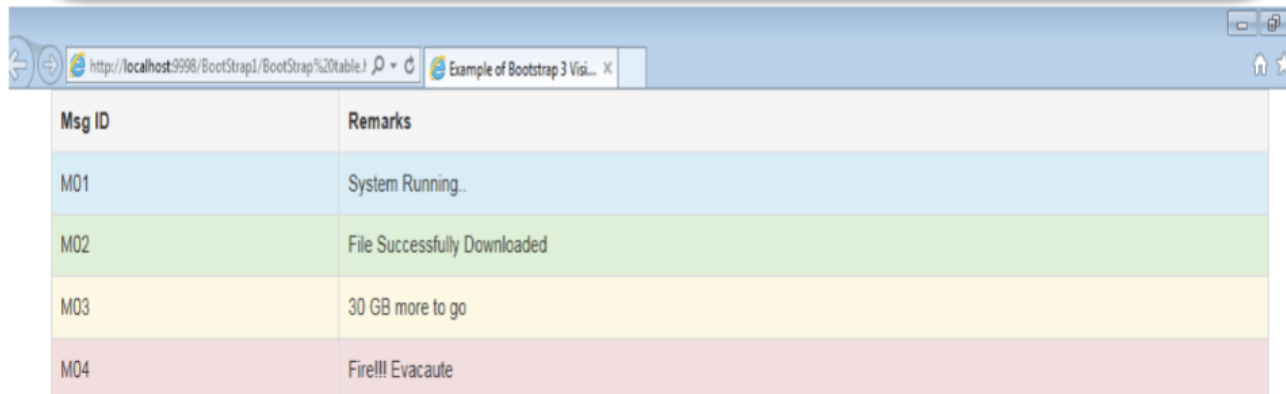
```
<div class="container">
<table class="table">
<tr><th>Empid</th><th>EmpName</th></tr>
<tr><td>1001</td><td>Steve</td></tr>
<tr><td>1002</td><td>Roger</td></tr>
<tr><td>1003</td><td>Peter</td></tr>
<tr><td>1004</td><td>Alex</td></tr>
</table>
</div>
```



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

```

```

```

```

```

```

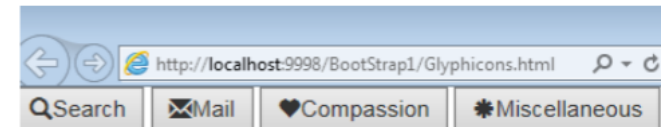


Bootstrap Glyphicons

- 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