



# Bootstrap and Responsiveness

Vikram Mirle Chandrashekar

[vmchandrashekar@qwinix.io](mailto:vmchandrashekar@qwinix.io)

# What is Bootstrap?

Bootstrap is the most popular HTML, CSS, and JS framework for developing responsive, mobile first projects on the web.

```
<meta name="viewport" content="width=device-width, initial-scale=1">
```

Reference link :

**<http://getbootstrap.com/>**

# How to include files?

## Adding CSS files

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

## Adding JS file

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

# Containers

```
<div class="container">
```

```
...
```

```
</div>
```

```
<div class="container-fluid">
```

```
...
```

```
</div>
```

# Grid system

```
<div class="row">  
  <div class="col-md-8">.col-md-8</div>  
  <div class="col-md-4">.col-md-4</div>  
</div>
```

```
<!-- Columns start at 50% wide on mobile and bump up to 33.3% wide on desktop  
-->
```

```
<div class="row">  
  <div class="col-xs-6 col-md-4">.col-xs-6 .col-md-4</div>  
  <div class="col-xs-6 col-md-4">.col-xs-6 .col-md-4</div>  
  <div class="col-xs-6 col-md-4">.col-xs-6 .col-md-4</div>  
</div>
```

# Media Queries

```
/* Small devices (tablets, 768px and up) */  
@media (min-width: @screen-sm-min) { ... }
```

```
/* Medium devices (desktops, 992px and up) */  
@media (min-width: @screen-md-min) { ... }
```

```
/* Large devices (large desktops, 1200px and up) */  
@media (min-width: @screen-lg-min) { ... }
```

# Custom Media Queries

`/*Mobile portrait*/`

`@media (max-width: 480px) { }`

`/*Mobile landscape*/`

`@media (min-width: 481px) and (max-width: 599px) { }`

`/*Small tablet portrait*/`

`@media (min-width: 600px) and (max-width: 767px) {  
}`

# Forms

```
<form>
```

```
  <div class="form-group">
```

```
    <label for="exampleInputEmail1">Email address</label>
```

```
    <input type="email" class="form-control" id="exampleInputEmail1"  
placeholder="Email">
```

```
  </div>
```

```
  <div class="form-group">
```

```
    <label for="exampleInputPassword1">Password</label>
```

```
    <input type="password" class="form-control" id="exampleInputPassword1"  
placeholder="Password">
```

```
  </div>
```



## Forms continued ...

```
<div class="form-group">
  <label for="exampleInputFile">File input</label>
  <input type="file" id="exampleInputFile">
  <p class="help-block">Example block-level help text here.</p>
</div>
<div class="checkbox">
  <label>
    <input type="checkbox"> Check me out
  </label>
</div>
<button type="submit" class="btn btn-default">Submit</button>
</form>
```

# Respponsive Utilities

Extra small devices Phones ( $<768\text{px}$ ) : `.visible-xs-*` , `.hidden-xs`

Small devices Tablets ( $\geq 768\text{px}$ ) : `.visible-sm-*` , `.hidden-sm`

Medium devices Desktops ( $\geq 992\text{px}$ ) : `.visible-md-*` , `.hidden-md`

Large devices Desktops ( $\geq 1200\text{px}$ ) : `.visible-lg-*` , `.hidden-lg`

# Navbar

```
<nav class="navbar navbar-default">
  <div class="container-fluid">
    <!-- Brand and toggle get grouped for better mobile display -->
    <div class="navbar-header">
      <button type="button" class="navbar-toggle collapsed" data-toggle="collapse"
data-target="#bs-example-navbar-collapse-1" aria-expanded="false">
        <span class="sr-only">Toggle navigation</span>
        <span class="icon-bar"></span>
        <span class="icon-bar"></span>
        <span class="icon-bar"></span>
      </button>
      <a class="navbar-brand" href="#">Brand</a>
    </div>
```

## Navbar continued ...

```
<!-- Collect the nav links, forms, and other content for toggling -->
<div class="collapse navbar-collapse" id="bs-example-navbar-collapse-1">

<ul class="nav navbar-nav navbar-right">
  <li><a href="#">Home</a></li>
  <li><a href="#">About Us</a></li>

  <li><a href="#">Contact Us</a></li>
</ul>
</div><!-- /.navbar-collapse -->
</div><!-- /.container-fluid -->
</nav>
```

# Modals

```
<!-- Button trigger modal -->
```

```
<button type="button" class="btn btn-primary btn-lg" data-toggle="modal"  
data-target="#myModal">
```

```
  Launch demo modal
```

```
</button>
```

```
<!-- Modal -->
```

```
<div class="modal fade" id="myModal" tabindex="-1" role="dialog"  
aria-labelledby="myModalLabel">
```

```
  <div class="modal-dialog" role="document">
```

```
    <div class="modal-content"><div class="modal-header">
```

```
      <button type="button" class="close" data-dismiss="modal"  
aria-label="Close"><span aria-hidden="true">&times;</span></button>
```

```
      <h4 class="modal-title" id="myModalLabel">Modal title</h4> </div>
```

```
    <div class="modal-body"></div>
```

```
    <div class="modal-footer">
```

```
      <button type="button" class="btn btn-default"  
data-dismiss="modal">Close</button>
```

```
      <button type="button" class="btn btn-primary">Save changes</button>
```

```
</div></div></div></div>
```

THANK YOU



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