Bootstrap is a free and open-source CSS framework directed at responsive, mobile-first front-end web development. It contains CSS- and (optionally) JavaScript-based design templates for typography, forms, buttons, navigation, and other interface components.

Bootstrap is the popular HTML, CSS and JavaScript framework for developing a responsive and mobile friendly website.

It includes HTML and CSS based design templates for typography, forms, buttons, tables, navigation, modals, image carousels and many others.

It can also use JavaScript plug-ins.

It facilitates you to create responsive designs.

<!DOCTYPE html**>**

**<html** lang="en"**>**

**<head>**

**<title>**This is a Bootstrap example**</title>**

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

**<link** rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.6/css/bootstrap.min.css"**>**

**</head>**

**<body>**

**<div** class="container"**>**

**<h1>** First Bootstrap web page**</h1>**

**<p>**Write your text here..**</p>**

**</div>**

**<script** src="https://ajax.googleapis.com/ajax/libs/jquery/1.12.0/jquery.min.js"**></script>**

**<script** src="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.6/js/bootstrap.min.js"**></script>**

**</body>**

**</html>**

What Bootstrap Package Includes?

* **Scaffolding** − Bootstrap provides a basic structure with Grid System, link styles, and background. This is is covered in detail in the section **Bootstrap Basic Structure**
* **CSS** − Bootstrap comes with the feature of global CSS settings, fundamental HTML elements styled and enhanced with extensible classes, and an advanced grid system. This is covered in detail in the section **Bootstrap with CSS**.
* **Components** − Bootstrap contains over a dozen reusable components built to provide iconography, dropdowns, navigation, alerts, pop-overs, and much more. This is covered in detail in the section **Layout Components**.
* **JavaScript Plugins** − Bootstrap contains over a dozen custom jQuery plugins. You can easily include them all, or one by one. This is covered in details in the section **Bootstrap Plugins**.
* **Customize** − You can customize Bootstrap's components, LESS variables, and jQuery plugins to get your very own version.

# **Bootstrap Container**

In Bootstrap, container is used to set the content's margins dealing with the responsive behaviors of your layout. It contains the row elements and the row elements are the container of columns (known as grid system).

The **container class** is used to create boxed content.

There are two container classes in Bootstrap:

1. container
2. container-fluid

The **.container class** is the fixed width container

**On the other hand, the container-fluid class** will take the full width of the viewport. If you use the container-fluid and resize the browser, you may notice the content inside it will adjust with every pixel to take the full available width.

The viewport is**the user's visible area of a web page.**

Jumbotron

Container

Buttons:

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

 <!DOCTYPE html**>**

**<html** lang="en"**>**

**<head>**

**<title>**Job**</title>**

**<link** rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.6/css/bootstrap.min.css"**/>**

**</head>**

**<body>**

**<h1>**Button Example!**</h1>**

**<button** class="btn btn-default"**>**default**</button>**

**<button** class="btn btn-primary"**>**primary**</button>**

**<button** class="btn btn-danger"**>**danger**</button>**

**<button** class="btn btn-success"**>**success**</button>**

**<button** class="btn btn-info"**>**info**</button>**

**<button** class="btn btn-warning"**>**warning**</button>**

**<button** class="btn btn-link"**>**Link**</button>**

**<script** src="https://ajax.googleapis.com/ajax/libs/jquery/1.11.3/jquery.min.js"**></script>**

**<script** src="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.5/js/bootstrap.min.js"**></script>**

**</body>**

**</html>**

**Creating a Jumbotron:**

A jumbotron indicates a big box for calling extra attention to some special content or information.

A jumbotron is displayed as a grey box with rounded corners. It also enlarges the font sizes of the text inside it.

**Tip:** Inside a jumbotron you can put nearly any valid HTML, including other Bootstrap elements/classes.

Use a <div> element with class .jumbotron to create a jumbotron:

<div class="jumbotron">  
  <h1>Bootstrap Tutorial</h1>  
  <p>Its Jumbotron – built in class</p>  
</div>  
<div class="container">  
  <p>This is some text.</p>  
  <p>This is another text.</p>  
</div>

**BS – Alerts:**

<!DOCTYPE html>

<html lang="en">

<head>

<title>Bootstrap Example</title>

<meta charset="utf-8">

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

<link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/css/bootstrap.min.css">

<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.0/jquery.min.js"></script>

<script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/js/bootstrap.min.js"></script>

</head>

<body>

<div class="container">

<h2>Alerts</h2>

<div class="alert alert-success">

<strong>Success!</strong> This alert box could indicate a successful or positive action.

</div>

<div class="alert alert-info">

<strong>Info!</strong> This alert box could indicate a neutral informative change or action.

</div>

<div class="alert alert-warning">

<strong>Warning!</strong> This alert box could indicate a warning that might need attention.

</div>

<div class="alert alert-danger">

<strong>Danger!</strong> This alert box could indicate a dangerous or potentially negative action.

</div>

</div>

</body>

</html>

BS-Lists:

<!DOCTYPE html>

<html lang="en">

<head>

<title>Bootstrap Example</title>

<meta charset="utf-8">

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

<link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/css/bootstrap.min.css">

<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.0/jquery.min.js"></script>

<script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/js/bootstrap.min.js"></script>

</head>

<body>

<div class="container">

<h2>List Group With a Disabled Item</h2>

<div class="list-group">

<a href="#" class="list-group-item disabled">First item</a>

<a href="#" class="list-group-item">Second item</a>

<a href="#" class="list-group-item">Third item</a>

</div>

</div>

</body>

</html>

**BS-Forms:**

<!DOCTYPE html>

<html lang="en">

<head>

<title>Bootstrap Example</title>

<meta charset="utf-8">

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

<link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/css/bootstrap.min.css">

<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.0/jquery.min.js"></script>

<script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/js/bootstrap.min.js"></script>

</head>

<body>

<div class="container">

<h2>Vertical (basic) form</h2>

<form action="/action\_page.php">

<div class="form-group">

<label for="email">Email:</label>

<input type="email" class="form-control" id="email" placeholder="Enter email" name="email">

</div>

<div class="form-group">

<label for="pwd">Password:</label>

<input type="password" class="form-control" id="pwd" placeholder="Enter password" name="pwd">

</div>

<div class="checkbox">

<label><input type="checkbox" name="remember"> Remember me</label>

</div>

<button type="submit" class="btn btn-default">Submit</button>

</form>

</div>

</body>

</html>

**BS-NavBar:**

<!DOCTYPE html>

<html lang="en">

<head>

<title>Bootstrap Example</title>

<meta charset="utf-8">

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

<link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/css/bootstrap.min.css">

<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.0/jquery.min.js"></script>

<script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/js/bootstrap.min.js"></script>

</head>

<body>

<nav class="navbar navbar-default">

<div class="container-fluid">

<div class="navbar-header">

<a class="navbar-brand" href="#">WebSiteName</a>

</div>

<ul class="nav navbar-nav">

<li class="active"><a href="#">Home</a></li>

<li><a href="#">Page 1</a></li>

<li><a href="#">Page 2</a></li>

<li><a href="#">Page 3</a></li>

</ul>

</div>

</nav>

<div class="container">

<h3>Basic Navbar Example</h3>

<p>A navigation bar is a navigation header that is placed at the top of the page.</p>

</div>

</body>

</html>