

</talentlabs>

# CHAPTER 12

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Bootstrap





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# AGENDA

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- Bootstrap Introduction
- Using Bootstrap
- Bootstrap Grid
- Learning and Using Bootstrap

in Practice

# Bootstrap Introduction



# Bootstrap



- Framework for developing responsive websites
- Pre-built CSS with all the nicely designed default styling
- Free to use in developing websites
- Makes web development faster and simpler
- Requires only basic HTML and CSS knowledge

# How to use Bootstrap?



## How to use Bootstrap?

- Loading Bootstrap from Bootstrap online repository (aka. CDN - Content Delivery Network)
- Download from [getbootstrap.com](https://getbootstrap.com/)

For this course, we will be adding Bootstrap to our website via CDN.

If you want instructions on how to add bootstrap via downloading, go to <https://getbootstrap.com/>, and follow the instructions there

# How to use Bootstrap?

1

Create an HTML File by following the basic structure.

You can refer to Chapter 1 for a basic skeleton.



2

Inside the `<head>` tag, insert the link tag for CSS and script tag for JavaScript as specified

```
<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/css/bootstrap.min.css"
```

```
rel="stylesheet">
```

```
<script
```

```
src="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/js/bootstrap.bundle.min.js"
```

```
integrity="sha384-ka7Sk0Gln4gmtz2MlQnikT1wXgYsOg+OMhuP+IlRH9sENBO0LRn5q+8n
```

```
bTov4+1p" crossorigin="anonymous"></script>
```

# Using Bootstrap



# Text Colours

Bootstrap is mainly used by using special syntax/keywords in HTML classes

```
<p>This is a paragraph</p>  
<p class="text-primary">This is a  
paragraph.</p>  
<p class="text-success">This is a  
paragraph.</p>  
<p class="text-info">This is a  
paragraph.</p>  
<p class="text-warning">This is a  
paragraph.</p>  
<p class="text-danger">This is a  
paragraph.</p>
```



This is a paragraph

This is a paragraph.

This is a paragraph.

This is a paragraph.

This is a paragraph.

This is a paragraph.

This is a paragraph.



# Background Color

```
<p>This is a paragraph</p>  
<p class="text-white bg-primary">This is a paragraph.</p>  
<p class="text-white bg-success">This is a paragraph.</p>  
<p class="text-white bg-info">This is a paragraph.</p>  
<p class="text-white bg-warning">This is a paragraph.</p>  
<p class="text-white bg-danger">This is a paragraph.</p>
```



This is a paragraph

This is a paragraph.

This is a paragraph.

This is a paragraph.

This is a paragraph.

This is a paragraph.

# Images

```

```



The `.rounded-circle` class adds circular border to the image



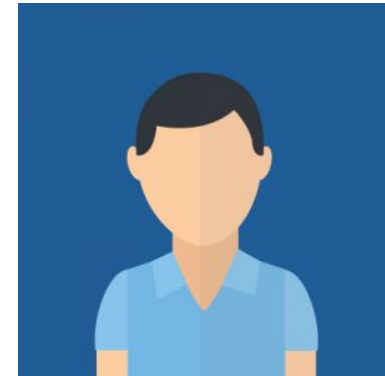
# Centering Images

```

```



Using the following tags will center an image inside a container



# Bootstrap Buttons

Bootstrap 5 provides different styles of buttons

```
<button type="button"  
class="btn">Transparent</button>
```

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

```
<button type="button" class="btn  
btn-secondary">Grey</button>
```

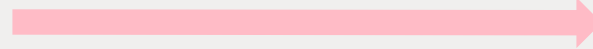
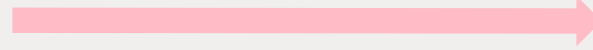
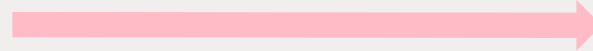
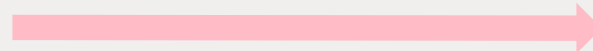
```
<button type="button" class="btn  
btn-success">Green</button>
```

```
<button type="button" class="btn  
btn-info">Skyblue</button>
```

```
<button type="button" class="btn  
btn-warning">Orange</button>
```

```
<button type="button" class="btn  
btn-danger">Red</button>
```

```
<button type="button" class="btn  
btn-dark">Black</button>
```



Transparent

Blue

Grey

Green

Skyblue

Orange

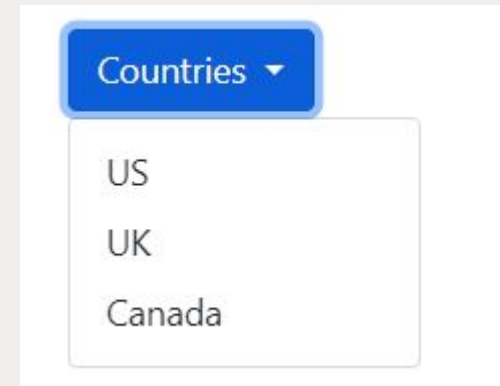
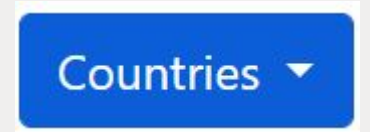
Red

Black

# Bootstrap Select

Bootstrap dropdown allows us to develop a dropdown menu, similar to the **<select>** tag

```
<div class="dropdown">
  <button type="button" class="btn btn-primary
dropdown-toggle" data-bs-toggle="dropdown">
    Countries
  </button>
  <ul class="dropdown-menu">
    <li><a class="dropdown-item" href="#">US</a></li>
    <li><a class="dropdown-item" href="#">UK</a></li>
    <li><a class="dropdown-item" href="#">Canada</a></li>
  </ul>
</div>
```



# Bootstrap Table

```
<table class="table table-striped">
  <tr>
    <th>Name</th>
    <th>Occupation</th>
    <th>Gender</th>
  </tr>
  <tr>
    <td>Mesbaul</td>
    <td>Programmer</td>
    <td>Male</td>
  </tr>
  <tr>
    <td>Amanda</td>
    <td>Analyst</td>
    <td>Female</td>
  </tr>
</table>
```

Add a striped theme to our HTML tables using bootstrap



Name	Occupation	Gender
Mesbaul	Programmer	Male
Amanda	Analyst	Female

# Bootstrap Grid



# Bootstrap Grid

- Bootstrap Grid System can be used for laying out elements
- Each row is divided into columns (12 columns at max)
- Contains 6 classes
  - .col- (screen width < 576px)
  - .col-sm- (screen width >= 576px)
  - .col-md- (screen width >= 768px)
  - .col-lg- (screen width >= 992px)
  - .col-xl- (screen width >= 1200px)
  - .col-xxl- (screen width >= 1400px)
- If screen is not wide enough, the columns will stack on top of each other

.col-4	.col-4	.col-4
.col-sm-4	.col-sm-4	.col-sm-4
.col-md-4	.col-md-4	.col-md-4
.col-lg-4		
.col-lg-4		
.col-lg-4		
.col-xl-4		
.col-xl-4		
.col-xl-4		



# How Grid Works?

Explanation:

1. Create a row
2. Add desired number of columns using col
3. We define screen size first (md here)
4. Define ratios for the size of each columns
5. Space allocated uniformly if no size mentioned

```
<div class="row">  
  <div class="col-md-6 bg-primary text-white">50%</div>  
  <div class="col-md-6 bg-dark text-white">50%</div>  
</div>
```

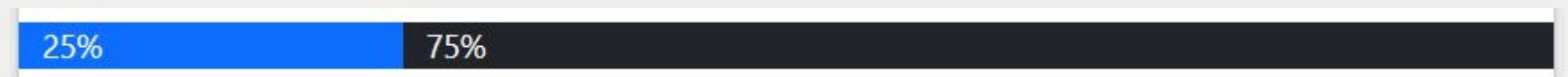


# How Grid Works?

Explanation:

1. Create a row
2. Add desired number of columns using col
3. We define screen size first (md here)
4. Define ratios for the size of each columns
5. Space allocated uniformly if no size mentioned

```
<div class="row">  
  <div class="col-md-3 bg-primary text-white">25%</div>  
  <div class="col-md-9 bg-dark text-white">75%</div>  
</div>
```



# How Grid Works?

Explanation:

1. Create a row
2. Add desired number of columns using col
3. We define screen size first (sm here)
4. Define ratios for the size of each columns
5. Space allocated uniformly if no size mentioned

```
<div class="row">  
  <div class="col-sm bg-primary text-white">25%</div>  
  <div class="col-sm bg-dark text-white">25%</div>  
  <div class="col-sm bg-primary text-white">25%</div>  
  <div class="col-sm bg-dark text-white">25%</div>  
</div>
```



# Learning and Using Bootstrap in Practice



# Bootstrap Documentation

Bootstrap has a vast array of components and features that we can use

Visit <https://getbootstrap.com/> for more content and examples

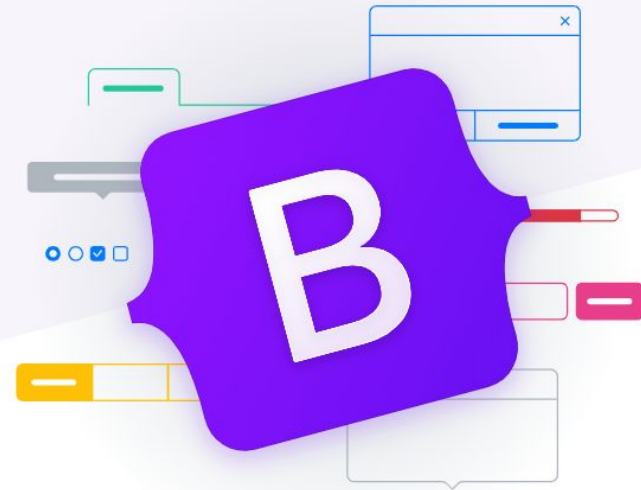
## Build fast, responsive sites with Bootstrap

Quickly design and customize responsive mobile-first sites with Bootstrap, the world's most popular front-end open source toolkit, featuring Sass variables and mixins, responsive grid system, extensive prebuilt components, and powerful JavaScript plugins.

Get started

Download

Currently **v5.1.3** · [v4.6.x docs](#) · [All releases](#)



That's all for this module!

THANK YOU!

