

CSS IV

Bootstrap

Objective

- Advantages of Bootstrap
- How does Bootstrap work
- How to use Bootstrap

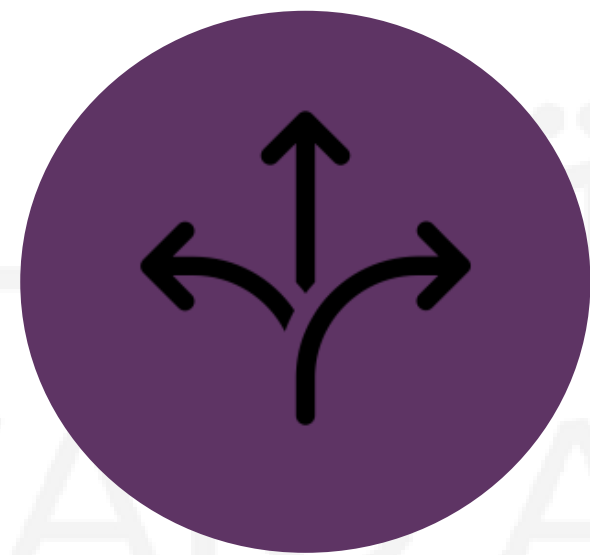
What Is Bootstrap

- ❖ Bootstrap is a **front-end framework** used to build pages faster using HTML and CSS.
- ❖ Bootstrap provides a lot of useful CSS and HTML **templates** that you can use and modify.
- ❖ It helps you to create websites that **automatically adjust** based on the device which they are being used on (aka a **responsive website**)
- ❖ It's **free!**

Advantages of bootstrap



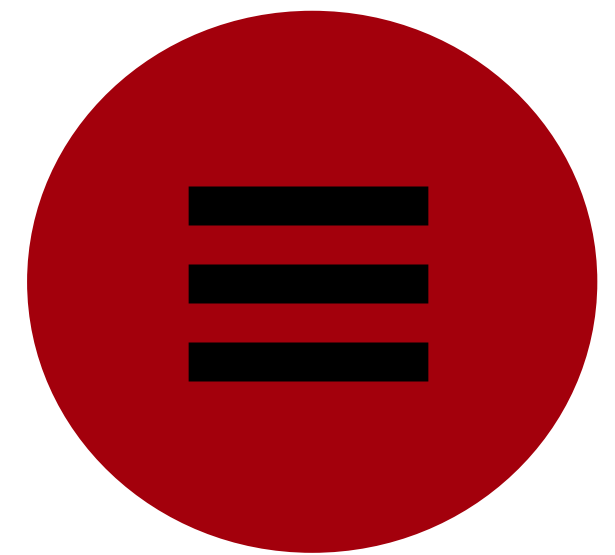
**Responsive
features**



Easy to use



**Browser
compatibility**



**Mobile-First
approach**

How To Use Bootstrap

❖ To use Bootstrap in a web page, you need to **link** to it from your HTML files.

```
<head>
<link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.6/css/bootstrap.min.css"
integrity="sha384-1q8mTJOASx8j1Au+a5WDVnPi2lkFfwwEAa8hDDdjZlpLegxhjVME1fgjWPGmkzs7"
crossorigin="anonymous">
<link rel="stylesheet" href="main.css">
</head>
```

❖ **CDN** (**Content delivery network**): a network of servers that work together to provide fast delivery of Internet content including stylesheets.

How Does Bootstrap Work

- ❖ Bootstrap has **predefined contexts** which automatically format a selection
- ❖ It makes using CSS more **efficient**
- ❖ Style a border around a paragraph:

```
<p class="pBorder">This is my paragraph text</p>
```

Bootstrap

```
.pBorder {  
    border: 1px dotted red;  
    padding: 10px;  
    margin: 10px;  
}
```

Your own CSS

How Does Bootstrap Work

❖ **The Bootstrap Grid System:** Allows you to create rows and columns and then place content in the “intersected” areas

➤ You can create up to 12 columns and unlimited rows

➤ Made up of:

- Container
- Rows
- Column

Class Prefix	Device Size
.col-xs-	<768px
.col-sm-	768px to 991px
.col-md-	992px to 1199px
.col-lg-	>= 1200px

Examples of How to use Bootstrap

❖ The Bootstrap Grid System:

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


Examples of How to use Bootstrap

❖ Bootstrap Thumbnails

```
<div class="container">
  <h2>Thumbnail</h2>
  <p>The .img thumbnail class creates a thumbnail of the image:</p>
  
</div>
```



Resources

- [Bootstrap Customize](#)
- [Bootstrap Sass](#)
- [Tutorials Point Bootstrap](#)
- [Bootsnipp](#)
- [12 Time Saving Bootstrap Examples](#)
- [Built with Bootstrap](#)
- [Bootstrapbay](#)
- [Block Element Modifier methodology](#)
- [Hipster Ipsum](#) - Dummy placeholder "hipster" text
- [Semantic Class Names](#)

Summary

- Advantages of Bootstrap
- How does Bootstrap work
- How to use Bootstrap