

Introduction To Bootstrap



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What is Bootstrap

- Most popular frontend framework.
- Used for creating User Interfaces.
- Prewritten code written in HTML, CSS and Javascript
- Application ranges from web development, mobile development etc
- Easy, simple and very responsive



History

- Developed: Mark Otto and Jacob Thornton at Twitter
- Released: Open source product in August 2011 on GitHub
- 2014: Number one project on GitHub



Versions

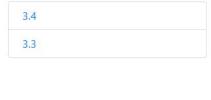
v4.x

Current major release and its minor versions. Last update was v4.5.3.



v3.x

Our previous major release and its minor versions. Last update was v3.4.1.



v2.x

Every minor and patch release from v2 is listed below.

2.3.2	
2.3.1	
2.3.0	
2.2.2	
2.2.1	
2.2.0	
2.1.1	

v1.x

Every minor and patch release from v1 is listed below.

1.4.0		
1.3.0		
1.2.0		
1.1.1		
1.1.0		
1.0.0		

Including Bootstrap



- Download and link
 - o download the file and add bootstrap.css to your project's html.
- Link to a CDN
 - Easier and Simpler
 - Copy paste the url
 - Less faster
 - CDN- it is the hoisted version.
 - add its link in your html

Adding files:



Bootstrap

```
<link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/bootstrap@4.5.3/dist/css/bootstrap.min.css"
integrity="sha384-TX8t27EcRE3e/ihU7zmQxVncDAy5uIKz4rEkgIXeMed4M0jlfIDPvg6uqKI2xXr2"
crossorigin="anonymous">
```

JavaScript

```
<script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"
integrity="sha384-DfXdz2htPH0lsSSs5nCTpuj/zy4C+OGpamoFVy38MVBnE+IbbVYUew+OrCXaRkfj"
crossorigin="anonymous"></script>
<script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.1/dist/umd/popper.min.js"
integrity="sha384-9/reFTGAW83EW2RDu2S0VKaIzap3H661ZH81PoY1FhbGU+6BZp6G7niu735Sk71N"
crossorigin="anonymous"></script>
<script src="https://cdn.jsdelivr.net/npm/bootstrap@4.5.3/dist/js/bootstrap.min.js"
integrity="sha384-w1Q4orYjBQndcko6MimVbzY0tgp4pWB41Z7lr30WKz0vr/aWKhXdBNmNb5D92v7s"
crossorigin="anonymous"></script></script>
```

Container



- Contain
- Pad
- Center the content

How to include it?

Lorem ipsum dolor sit amet, consectetur adipisicing elit,
sed do eiusmod

Buttons



- Actions in forms
- Dialogs etc

- <button type="button" class="btn btn-primary">Primary</button>
- <button type="button" class="btn btn-outline-primary">Primary</button>
- <button type="button" class="btn btn-primary btn-lg">Large button</button>

Typography



- Headings
- Body Text
- Lists

- <h1>Heading</h1>
- Heading
- <h1 class="display-1">Heading</h1>

Utilities



- Border
- Color
- Display
- Position
- Size
- Spacing
- Text

Border



-
-
-
-

Color



- .text-primary
- .text-secondary
- Primary link
- Secondary link
- <div class="p-3 mb-2 bg-primary text-white">.bg-primary</div>
- <div class="p-3 mb-2 bg-secondary text-white">.bg-secondary</div>

Badges



- <button type="button" class="btn btn-primary">
 Notifications 4</button>
- <button type="button" class="btn btn-primary">
 Profile 9unread messages</button>





Primary feature of bootstrap

Every container in bootstrap can be divided into 12 columns and then elements can take out of 12 columns

Grid must always be inside container

- then div of class="row" where there are 12 columns to pick from
- every column will have class="col-size-no", if no class is assigned then it will occupy entire 12 col
 - there are 4 variations of size: xs, sm, md, lg



Grid System



Thank You