



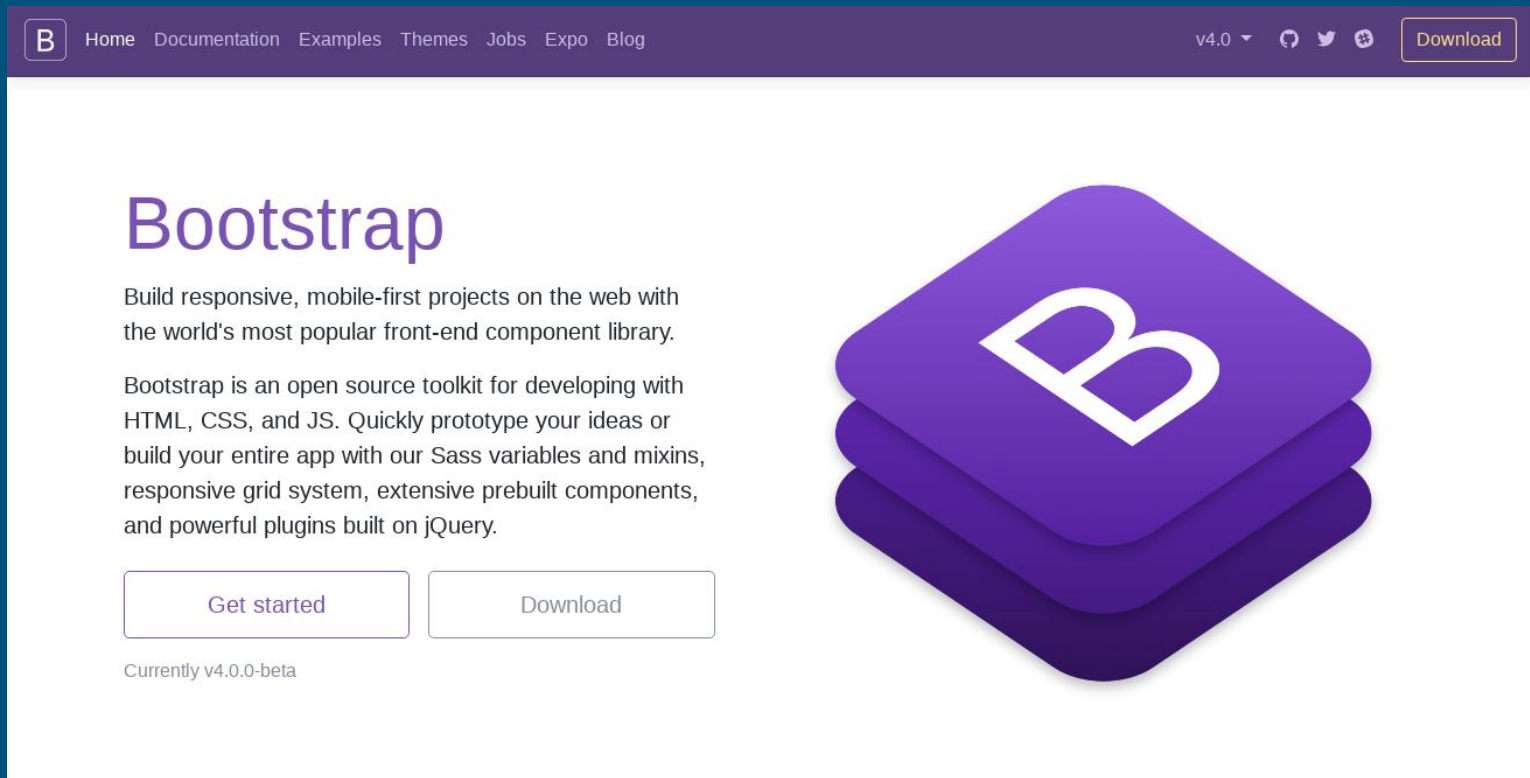
Treinamento Web Avançado



Parte III
NPM e Bootstrap



getbootstrap.com



Porque um Framework?

SASS | WebPack | ACESSIBILIDADE

Instalando o NodeJS e npmJS

- Porque usar o NodeJS?
- Vamos usar apenas o NPM
- Serve para gerenciar as dependências.
- Podemos brincar com as dependências

```
sudo apt-get install build-essential libssl-dev  
sudo apt-get install nodejs  
sudo apt-get install npm
```

Instalando o Bootstrap

- `npm install bootstrap@4.0.0-beta`
- `gem install bootstrap -v 4.0.0.alpha6`
- `bower install bootstrap#v4.0.0-beta`
- `composer require twbs/bootstrap:4.0.0-beta`

```
bootstrap/
├─ css/
│   ├── bootstrap.css
│   ├── bootstrap.css.map
│   ├── bootstrap.min.css
│   ├── bootstrap.min.css.map
│   ├── bootstrap-theme.css
│   ├── bootstrap-theme.css.map
│   ├── bootstrap-theme.min.css
│   └─ bootstrap-theme.min.css.map
├─ js/
│   ├── bootstrap.js
│   └─ bootstrap.min.js
└─ fonts/
    ├── glyphs-halflings-regular.eot
    ├── glyphs-halflings-regular.svg
    ├── glyphs-halflings-regular.ttf
    ├── glyphs-halflings-regular.woff
    └─ glyphs-halflings-regular.woff2
```

	Chrome	Firefox	Safari	Android Browser & WebView	Microsoft Edge
Android	Supported	Supported	N/A	Android v5.0+ supported	N/A
iOS	Supported	Supported	Supported	N/A	N/A
Windows 10 Mobile	N/A	N/A	N/A	N/A	Supported

	Chrome	Firefox	Internet Explorer	Microsoft Edge	Opera	Safari
Mac	Supported	Supported	N/A	N/A	Supported	Supported
Windows	Supported	Supported	Supported, IE10+	Supported	Supported	Not supported

Porque Bootstrap?

- Entre os mais famosos do mundo
- Fácil uso
- Boa Documentação
- Forte comunidade
- EJ já vem usando a um bom tempo

GRID System

- container
- container-fluid
- Responsivos Breakpoints
- z-index (oferece uma nova variável, de sensação de fundo, Usada em Modal, tooltips)
- row
- Dividir a tela em até 12 pedaços
- col-sm | col- | col
- w-100

	Extra small <576px	Small ≥576px	Medium ≥768px	Large ≥992px	Extra large ≥1200px
Max container width	None (auto)	540px	720px	960px	1140px
Class prefix	<code>.col-</code>	<code>.col-sm-</code>	<code>.col-md-</code>	<code>.col-lg-</code>	<code>.col-xl-</code>
# of columns	12				
Gutter width	30px (15px on each side of a column)				
Nestable	Yes				
Column ordering	Yes				

Media Object

64x64

Media heading

Cras sit amet nibh libero, in gravida nulla. Nulla vel metus scelerisque ante sollicitudin. Cras purus odio, vestibulum in vulputate at, tempus viverra turpis. Fusce condimentum nunc ac nisi vulputate fringilla. Donec lacinia congue felis in faucibus.

Copy

```
<div class="media">
  
  <div class="media-body">
    <h5 class="mt-0">Media heading</h5>
    Cras sit amet nibh libero, in gravida nulla. Nulla vel metus scelerisque ante sollicitudin.
  </div>
</div>
```