



# Workshop – Bootstrap

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**Leonardo Marcão -  
Desenvolvedor Jr. – odeio  
churros!**

[leonardomarca.com](http://leonardomarca.com)

[github.com/leonardomarcacao](https://github.com/leonardomarcacao)



# Agenda

Introdução

O que é?

Estrutura (compilada)

Recursos necessários

Construindo um projeto

# Introdução Bootstrap



Definição de framework:

- Govoni: "A framework is an abstracted collection of classes, interfaces, and patterns dedicated to solving a class of problems through a flexible and extensible architecture"

Fonte:

<http://www.dsc.ufcg.edu.br/~jacques/cursos/map/html/frame/deffw.htm>

# Introdução Bootstrap



Algumas frameworks frontend:

- **Bootstrap**
- **Semantic-UI**
- **Foundation**
- **Materialize**

Etc...

Fonte: <https://www.keycdn.com/blog/front-end-frameworks/>

# O que é?

## Bootstrap



- Coleção de vários elementos e funções personalizáveis para projetos da web, empacotados previamente em uma única ferramenta.

Fonte:

<https://www.prestashop.com/blog/pt/2014/03/06/o-que-e-o-bootstrap-verdades-e-mitos-parte-1-de-2/>

# O que é?

## Bootstrap



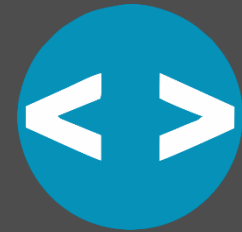
### Preprocessors

Bootstrap ships with vanilla CSS, but its source code utilizes the two most popular CSS preprocessors, [Less](#) and [Sass](#). Quickly get started with precompiled CSS or build on the source.

Fonte: <http://getbootstrap.com/>

# O que é?

## Bootstrap



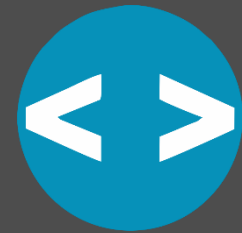
**One framework, every device.**

Bootstrap easily and efficiently scales your websites and applications with a single code base, from phones to tablets to desktops with CSS media queries.

Fonte: <http://getbootstrap.com/>

# O que é?

## Bootstrap



### Full of features

With Bootstrap, you get extensive and beautiful documentation for common HTML elements, dozens of custom HTML and CSS components, and awesome jQuery plugins.



# Estrutura (compilada) Bootstrap



```
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
```

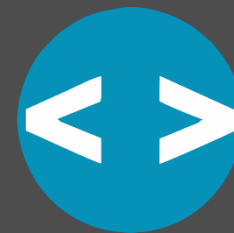
Fonte: <http://getbootstrap.com/getting-started/>

# Recursos necessários p/ Workshop - Bootstrap



- Browser (navegador). Ps:  
No IE, plis!
- Framework Bootstrap ([link](#))
- Editor de texto:
  1. Sublime Text 3 ([link](#))
  2. Atom ([link](#))
- Template base ([link](#))

# Construindo um projeto



Project name

Email

Password

Sign in

## Hello, world!

This is a template for a simple marketing or informational website. It includes a large callout called a jumbotron and three supporting pieces of content. Use it as a starting point to create something more unique.

[Learn more »](#)

### Heading

Donec id elit non mi porta gravida at eget metus. Fusce dapibus, tellus ac cursus commodo, tortor mauris condimentum nibh, ut fermentum massa justo sit amet risus. Etiam porta sem malesuada magna mollis euismod. Donec sed odio dui.

[View details »](#)

### Heading

Donec id elit non mi porta gravida at eget metus. Fusce dapibus, tellus ac cursus commodo, tortor mauris condimentum nibh, ut fermentum massa justo sit amet risus. Etiam porta sem malesuada magna mollis euismod. Donec sed odio dui.

[View details »](#)

### Heading

Donec sed odio dui. Cras justo odio, dapibus ac facilisis in, egestas eget quam. Vestibulum id ligula porta felis euismod semper. Fusce dapibus, tellus ac cursus commodo, tortor mauris condimentum nibh, ut fermentum massa justo sit amet risus.

[View details »](#)

# Construindo um projeto

## Entendendo alguns componentes (GRIDS)

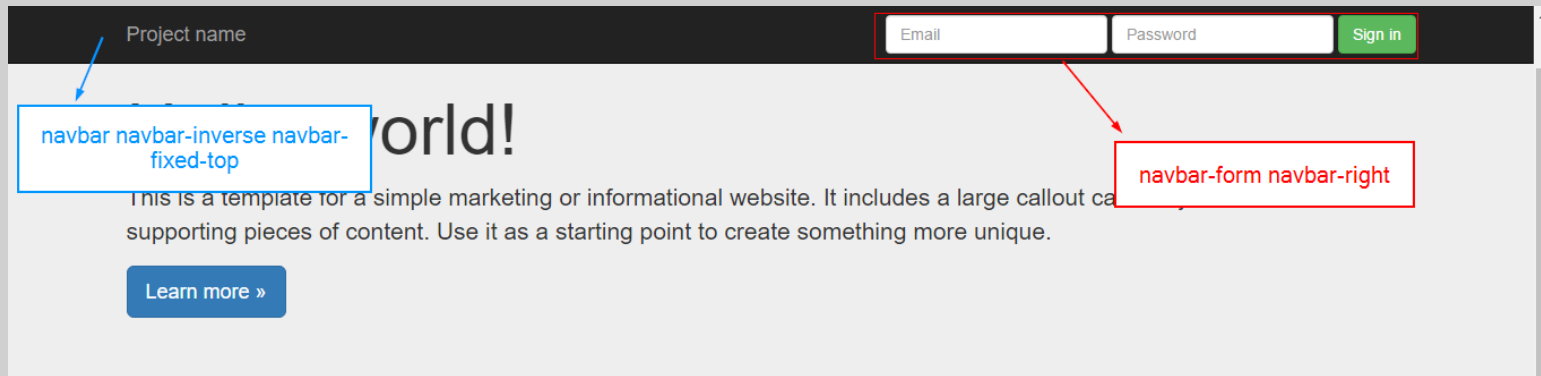


Exemplo

.col-md-1	.col-md-1	.col-md-1	.col-md-1	.col-md-1	.col-md-1	.col-md-1	.col-md-1	.col-md-1	.col-md-1	.col-md-1	.col-md-1
.col-md-8								.col-md-4			
.col-md-4				.col-md-4				.col-md-4			
.col-md-6						.col-md-6					

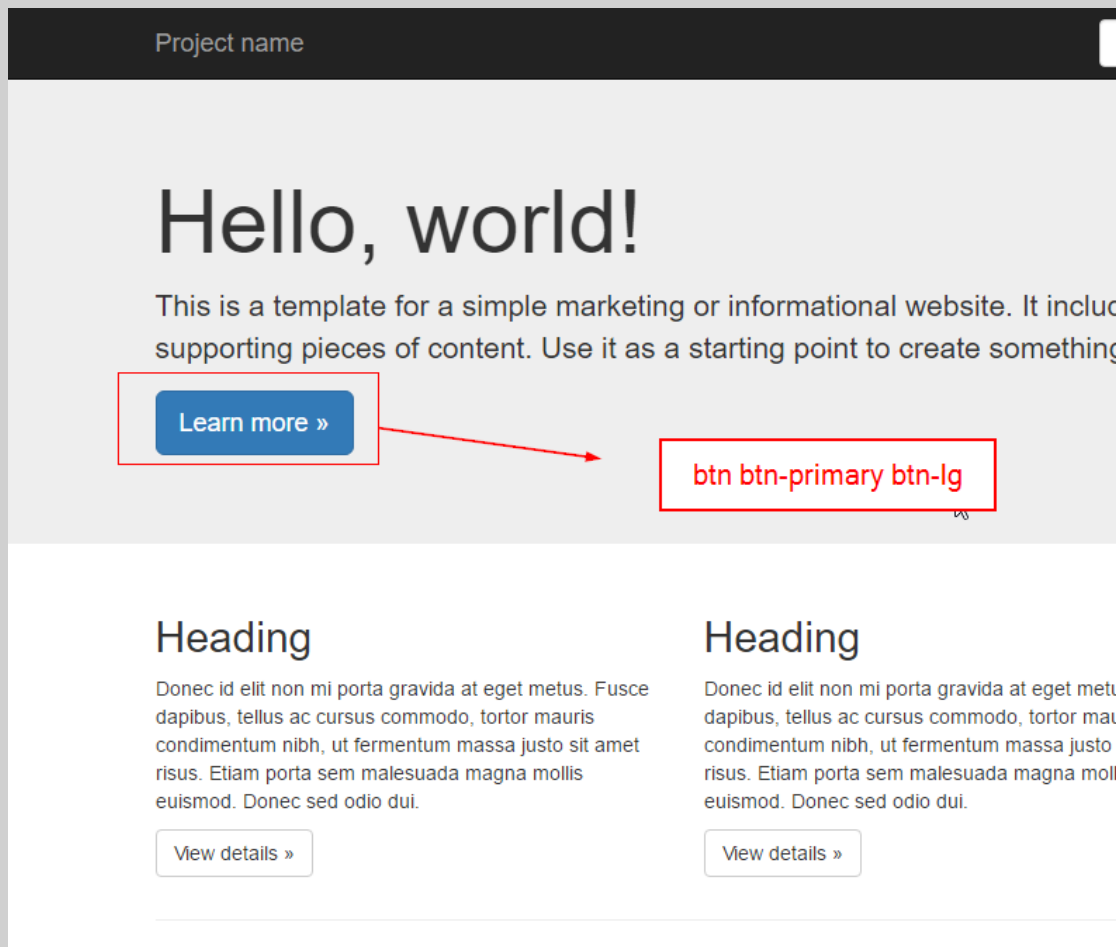
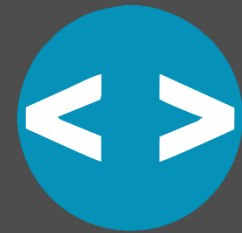
# Construindo um projeto

## Entendendo alguns componentes (Navbar)



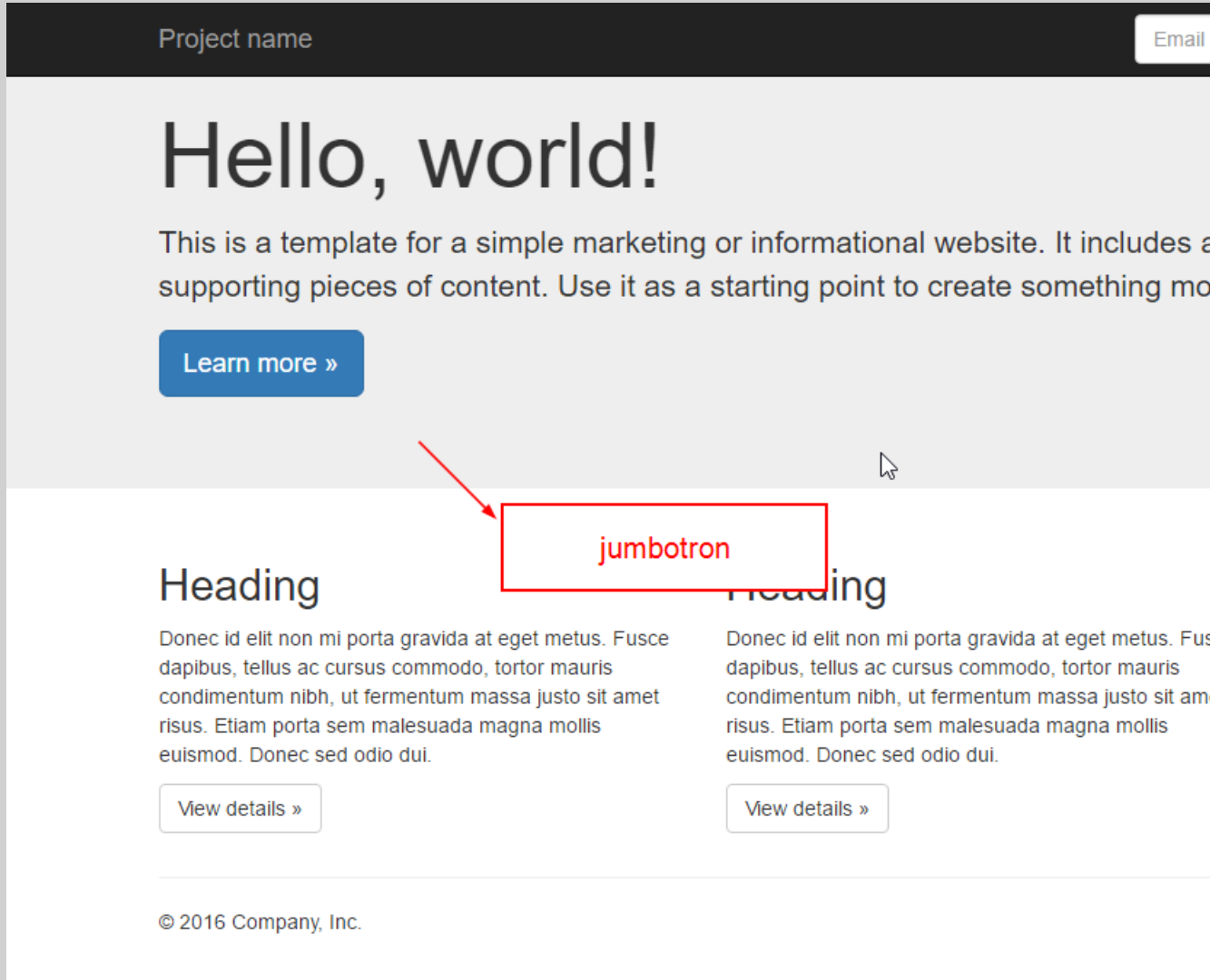
# Construindo um projeto

## Entendendo alguns componentes (Botões)



# Construindo um projeto

## Entendendo alguns componentes (Jumbtron)



# Construindo um projeto

## Entendendo alguns componentes



# Hello, world!

This is a template for a simple marketing or informational website. It includes a large hero section with a heading, a paragraph of text, and a call-to-action button. Below the hero section, there are two columns of content, each featuring a heading, a paragraph of text, and a call-to-action button.

Learn more »

col-md-4

Heading

Donec id elit non mi porta gravida at eget metus. Fusce dapibus, tellus ac cursus commodo, tortor mauris condimentum nibh, ut fermentum massa justo sit amet risus. Etiam porta sem malesuada magna mollis euismod. Donec sed odio dui.

View details »

btn btn-default

Heading

Donec id elit non mi porta gravida at eget metus. Fusce dapibus, tellus ac cursus commodo, tortor mauris condimentum nibh, ut fermentum massa justo sit amet risus. Etiam porta sem malesuada magna mollis euismod. Donec sed odio dui.

View details »





# Mão na massa!

Template feito por Léo Longo