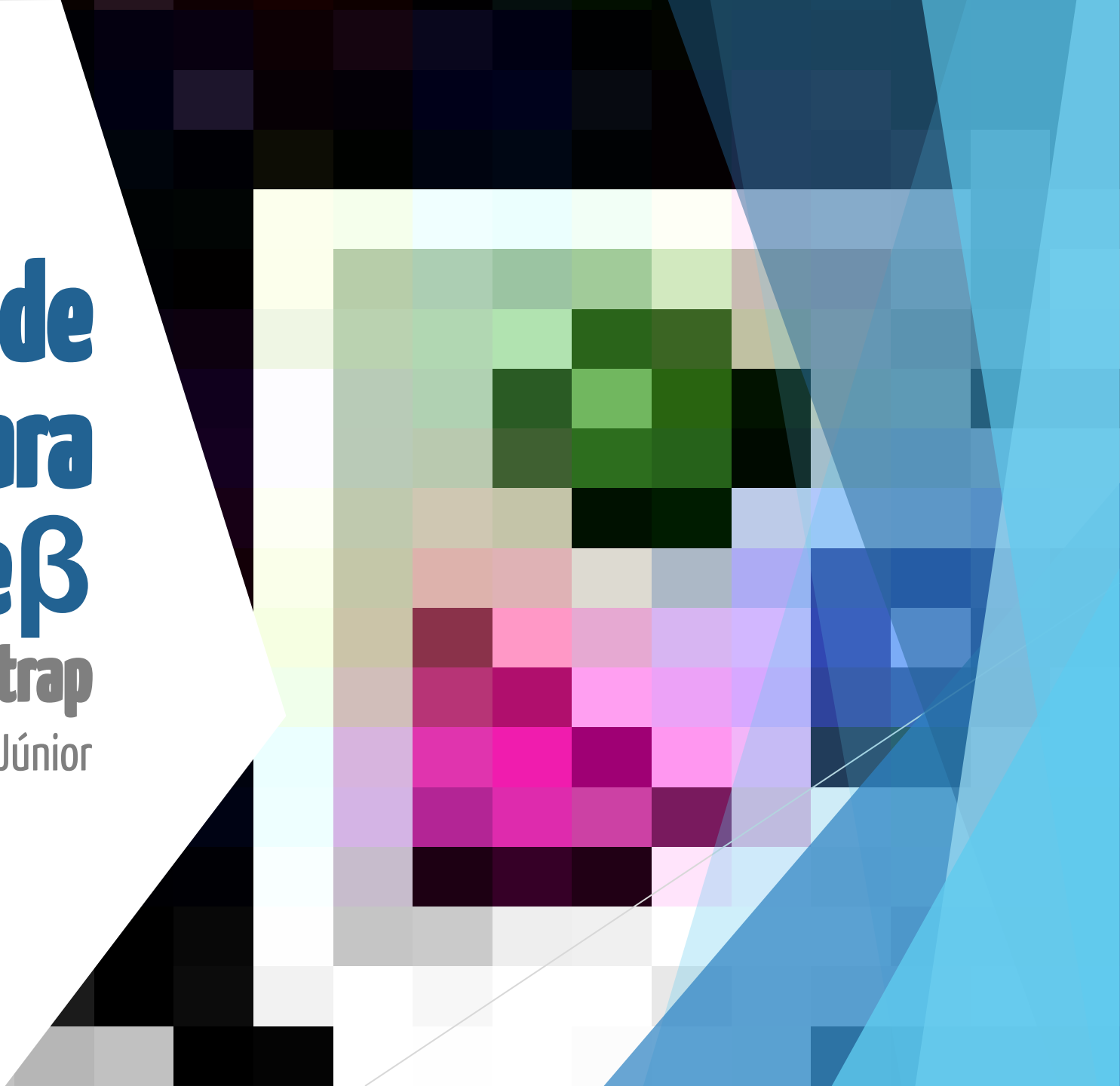


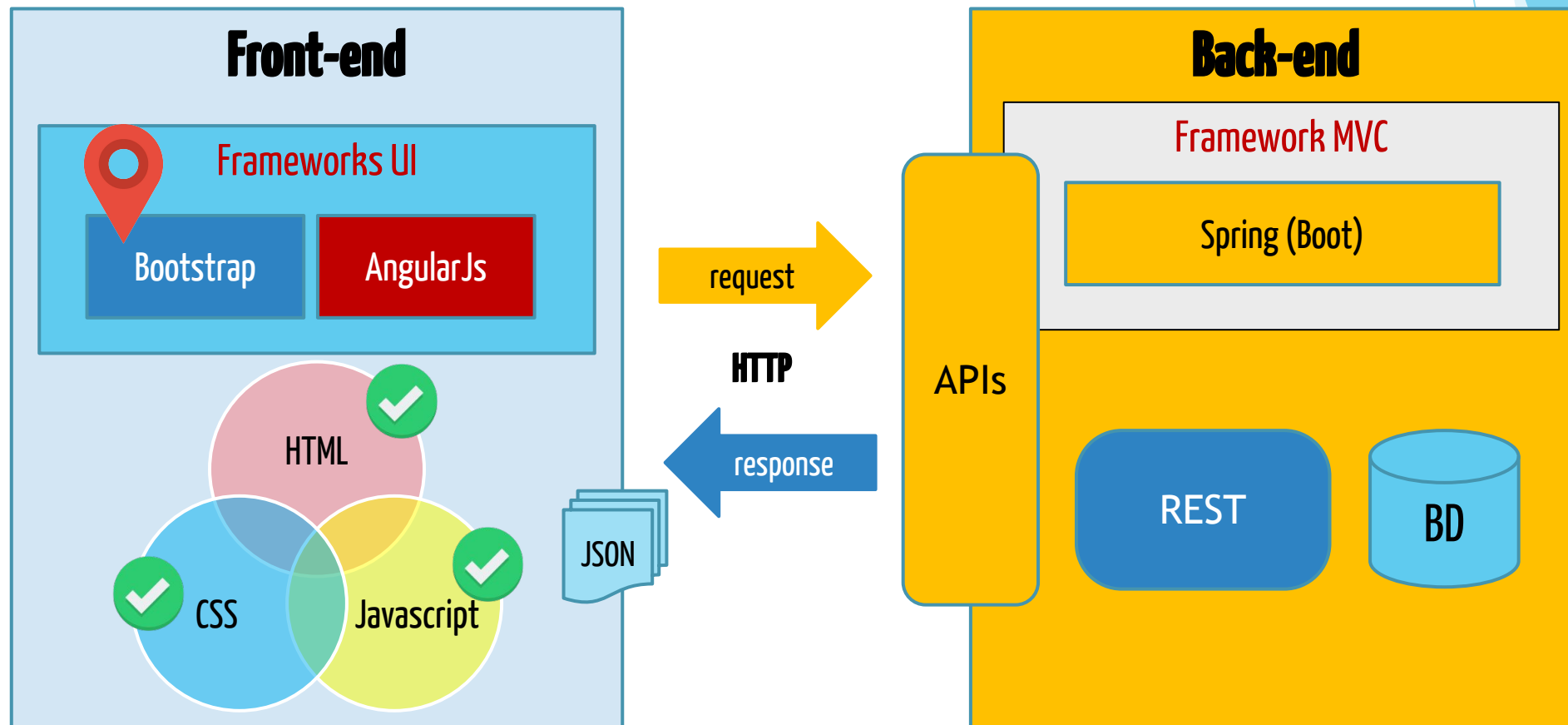
Desenvolvimento de aplicações para Web

Bootstrap

Prof. Nilson Júnior



Onde estamos...

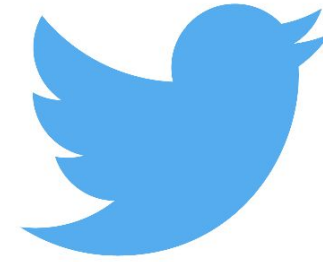




Agenda

- Histórico do Bootstrap
- Introdução ao Bootstrap
- Conhecendo seus componentes
- Materiais de Apoio

Histórico



- Foi desenvolvido por Mark Otto e Jacob Thomson e hoje é mantido pelos demais desenvolvedores do **Twitter** assim como também por colaboradores espalhados pelo mundo todo.
- As equipes de desenvolvimento do Twitter utilizavam muitas bibliotecas para o desenvolvimento de interfaces e isso gerava muitas inconsistências e um nível elevado de manutenção.

Histórico

- O projeto começou como interno e com o tempo teve-se a visão de documentar e compartilhar essa nova biblioteca.
- Em **agosto de 2011** foi lançado o **Twitter Bootstrap** como **código aberto**.
- Em **fevereiro de 2012** se tornou **o projeto mais popular do GitHub**.

O que é o Bootstrap?

- **Bootstrap** é o mais popular **framework** HTML, CSS e JS para **desenvolvimento responsivo** e **mobile**, tornando o **desenvolvimento web** ágil.



Características

- **Framework Front-end** de fácil e rápida implementação.
- Baseado em **HTML**, **CSS** e **JS**
 - componentes como forms, buttons, tables, navigation, modals, image carousels entre outros.
- **Compatibilidade** entre navegadores.
- Design **Responsivo**.
- Atualmente na versão 3.3.6 (em breve a versão 4.0)

Mobile first design...



Por que ser responsive?

- Usuários acessam sites cada vez mais a partir de uma **variedade de dispositivos de diferentes tamanhos de tela**
- **Um tamanho único não é mais uma possibilidade!**
- Adaptar-se a "janela" do usuário passou a ser **parte integrante de qualquer website**

Fundamentos Bootstrap para design responsivo

- *Grid system*
 - Veremos mais adiante
- *Fluid images*
 - Veremos mais adiante
- *Media queries*

Media queries

- tecnologia CSS para aplicar alguns estilos com base no o tamanho da tela de visualização do usuário
 - por exemplo:

```
@media screen and (min-width: 600px) {  
    /* Estilos CSS personalizados para desktop */  
}
```

Bootstrap grid detail

	Extra small (< 768 px)	Small (≥ 768px)	Medium (≥ 992 px)	Large (≥ 1200px)
Typical Form factor	Mobile phones	Tablets	Laptops	Desktops
Grid behavior	Horizontal	Collapsed to start, horizontal above breakpoints		
Container width	None (auto)	750px	970px	1170px
Class prefix	.col-xs-	.col-sm-	.col-md-	.col-lg-
# of columns	12	12	12	12
Column width	Auto	~62px	~81px	~97px
Gutter width	30px (15px on each side)			

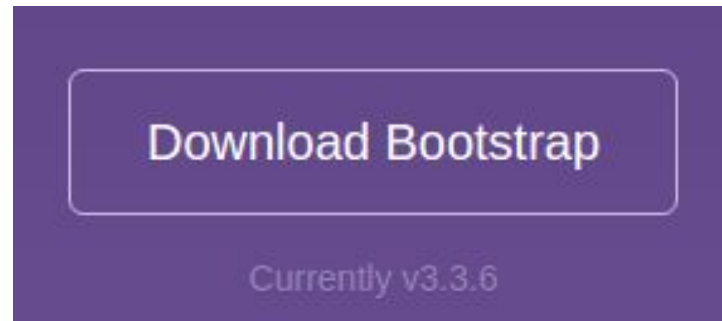
Exemplo: <http://getbootstrap.com/css/#grid-example-basic>



Bootstrap na prática!

Por onde começar?

- Acesse o Site: <http://getbootstrap.com>



Bootstrap

Compiled and minified CSS, JavaScript, and fonts. No docs or original source files are included.

Download Bootstrap

Source code

Source Less, JavaScript, and font files, along with our docs. **Requires a Less compiler and some setup.**

Download source

Sass

[Bootstrap](#) ported from [Less](#) to [Sass](#) for easy inclusion in Rails, Compass, or Sass-only projects.

Download Sass

Configurando o Projeto

- Abra o Arquivo baixado (bootstrap-3.3.6.zip);
- Extraia para o seu projeto (vai extrair uma pasta bootstrap-3.3.6-dist);
- Renomeio a pasta bootstrap-3.3.6-dist para bootstrap ;
- Crie um arquivo index.html na raiz do projeto;

Arquivos do Bootstrap

- Você agora terá essa estrutura em seu projeto:

```
bootstrap/  
|-- css/  
| |-- bootstrap.css  
| |-- bootstrap.min.css  
| |-- bootstrap-theme.css  
| |-- bootstrap-theme.min.css  
|-- js/  
| |-- bootstrap.js  
| |-- bootstrap.min.js  
|-- fonts/  
| |-- glyphs-halflings-regular.eot  
| |-- glyphs-halflings-regular.svg  
| |-- glyphs-halflings-regular.ttf  
| |-- glyphs-halflings-regular.woff
```

Usando o Bootstrap

- Inclua as linhas abaixo no <head> de seu código HTML.

```
<!DOCTYPE html>
<html lang="en">
<head>
  <title>Bootstrap Example</title>
  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width, initial-scale=1">
  <link rel="stylesheet" href="bootstrap/css/bootstrap.min.css" >
  <link rel="stylesheet" href="bootstrap/css/bootstrap-theme.min.css">>
  <script src="https://ajax.googleapis.com/ajax/libs/jquery/1.12.0/jquery.min.js"></script>
  <script src="bootstrap/js/bootstrap.min.js"></script>
</head>
<body>

</body>
</html>
```

Mobile first

CSS

JS

Usando o Bootstrap CDN

(Content Delivery Network)

```
<!-- Latest compiled and minified CSS -->
<link rel="stylesheet"
href="http://maxcdn.bootstrapcdn.com/bootstrap/3.3.6/css/b
ootstrap.min.css">

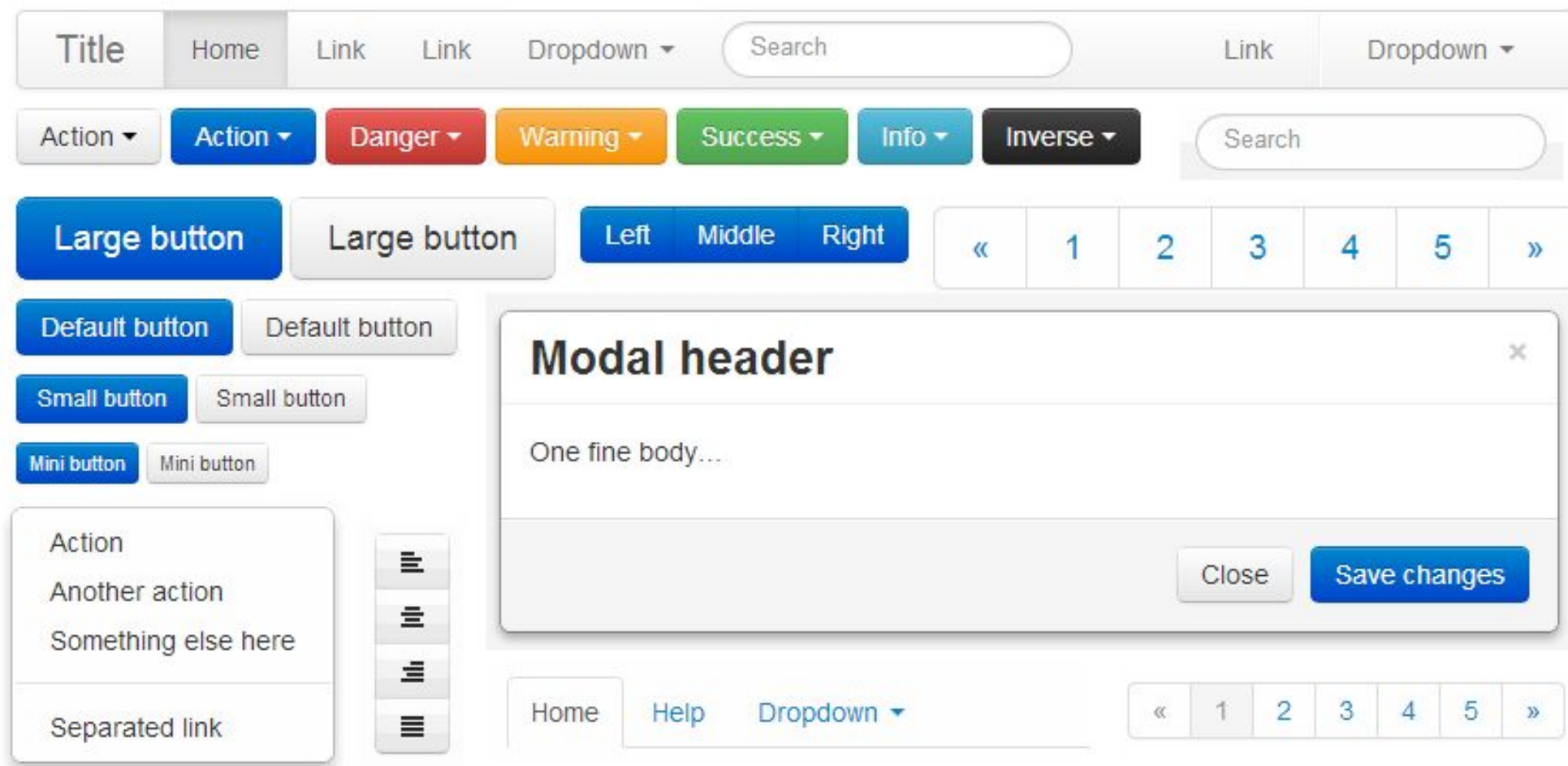
<!-- jQuery library -->
<script
src="https://ajax.googleapis.com/ajax/libs/jquery/1.12.0/j
query.min.js"></script>

<!-- Latest compiled JavaScript -->
<script
src="http://maxcdn.bootstrapcdn.com/bootstrap/3.3.6/js/boo
tstrap.min.js"></script>
```

**Quais as
vantagens/desvantagens?**

O que o Bootstrap faz?

Componentes CSS e JavaScript



The background features a complex design. On the left, a dark blue vertical band contains a white network of interconnected circles and lines. The central area is a light blue gradient with a faint, large-scale geometric pattern. On the right, several overlapping, semi-transparent blue triangles and polygons create a dynamic, layered effect.

Componentes CSS

Componente Bootstrap Css

- table

Row	Bill	Payment Date	Payment Status
1	Credit Card	04/07/2014	Call in to confirm
2	Water	01/07/2014	Paid
3	Internet	05/07/2014	Change plan
4	Electricity	03/07/2014	Pending
5	Telephone	06/07/2014	Due

Bootstrap Table

classe **.table** adiciona estilo básico a uma tabela:

Example

Firstname	Lastname	Email
John	Doe	john@example.com
Mary	Moe	mary@example.com
July	Dooley	july@example.com

[Try it Yourself »](#)

Bootstrap Table

Classe **.table-striped**

Example

Firstname	Lastname	Email
John	Doe	john@example.com
Mary	Moe	mary@example.com
July	Dooley	july@example.com

[Try it Yourself »](#)

Bootstrap Table

Classe `.table-bordered`

Example

Firstname	Lastname	Email
John	Doe	john@example.com
Mary	Moe	mary@example.com
July	Dooley	july@example.com

[Try it Yourself »](#)

List Group com Badge

New	12
Deleted	5
Warnings	3

To create a badge, create a `<span>` element with class `.badge` inside the list item:

Example

```
<ul class="list-group">
  <li class="list-group-item"><span class="badge">12</span> New</li>
  <li class="list-group-item"><span class="badge">5</span> Deleted</li>
  <li class="list-group-item"><span class="badge">3</span> Warnings</li>
</ul>
```

Try it Yourself »

Panel

Um panel em bootstrap é uma **caixa com borda e padding** em volta do seu conteúdo

A Basic Panel

Panels are created with the `.panel` class, and content inside the panel has a `.panel-body` class:

Example

```
<div class="panel panel-default">
  <div class="panel-body">A Basic Panel</div>
</div>
```

Try it Yourself »

Classe **well**

Adiciona uma borda arredondada em torno de um elemento com uma cor de fundo cinza

Small Well

Normal Well

Large Well

```
<div class="well">Basic Well</div>  
<div class="well well-sm">Small Well</div>  
<div class="well well-lg">Large Well</div>
```

[Try it Yourself »](#)

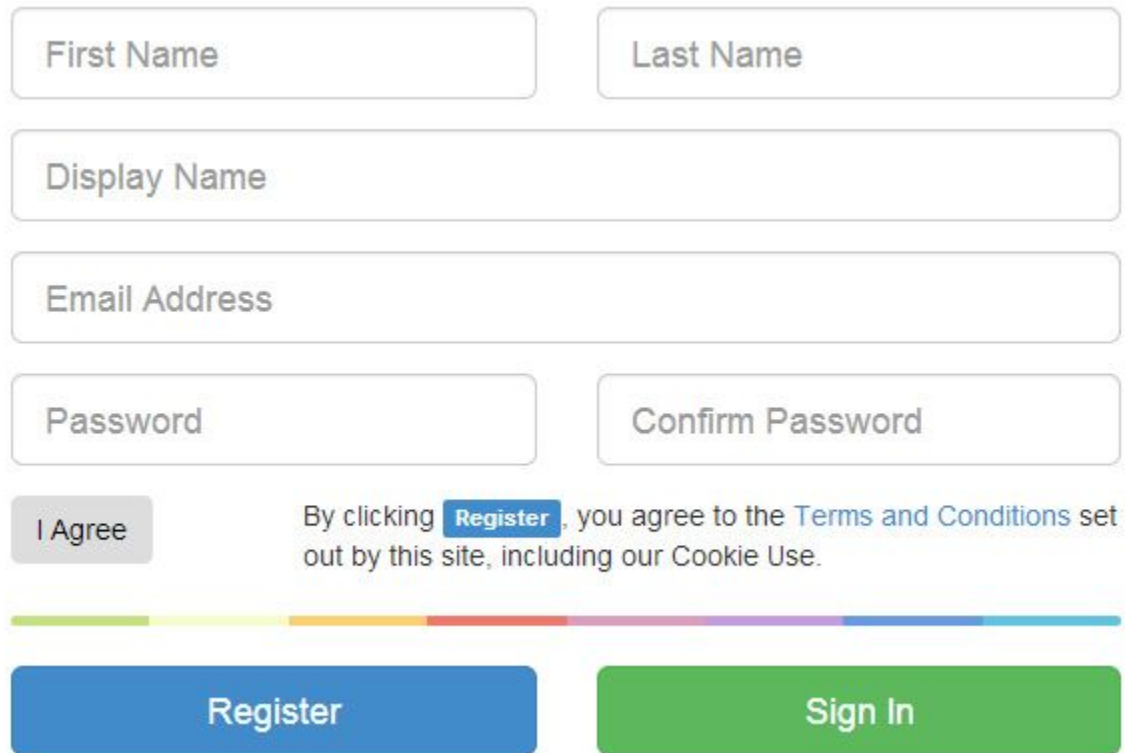


Componentes CSS

Formulários

Componente Bootstrap Css

- form



A Bootstrap form component with the following elements:

- Two input fields for "First Name" and "Last Name" side-by-side.
- A single input field for "Display Name".
- A single input field for "Email Address".
- Two input fields for "Password" and "Confirm Password" side-by-side.
- A checkbox labeled "I Agree".
- A text block: "By clicking **Register**, you agree to the [Terms and Conditions](#) set out by this site, including our [Cookie Use](#)." The word "Register" is highlighted in a blue box.
- A horizontal progress bar with a multi-colored gradient.
- Two buttons: a blue "Register" button and a green "Sign In" button.

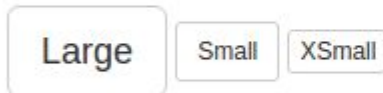
Componente Bootstrap Css

- button

Button Colors



Button Sizes



Active/Disabled Buttons



Alert

Success! This alert box indicates a successful or positive action.



Info! This alert box indicates a neutral informative change or action.



Warning! This alert box indicates a warning that might need attention.



Danger! This alert box indicates a dangerous or potentially negative action.



```
<div class="alert alert-success">
  <strong>Success!</strong> Indicates a successful or positive action.
</div>

<div class="alert alert-info">
  <strong>Info!</strong> Indicates a neutral informative change or action.
</div>

<div class="alert alert-warning">
  <strong>Warning!</strong> Indicates a warning that might need attention.
</div>

<div class="alert alert-danger">
  <strong>Danger!</strong> Indicates a dangerous or potentially negative action.
</div>
```

Try it Yourself »

Buttons



```
<button type="button" class="btn btn-default">Default</button>  
<button type="button" class="btn btn-primary">Primary</button>  
<button type="button" class="btn btn-success">Success</button>  
<button type="button" class="btn btn-info">Info</button>  
<button type="button" class="btn btn-warning">Warning</button>  
<button type="button" class="btn btn-danger">Danger</button>  
<button type="button" class="btn btn-link">Link</button>
```

Try it Yourself »

Button Groups

Apple

Samsung

Sony

Use a `<div>` element with class `.btn-group` to create a button group:

Example

```
<div class="btn-group">
  <button type="button" class="btn btn-primary">Apple</button>
  <button type="button" class="btn btn-primary">Samsung</button>
  <button type="button" class="btn btn-primary">Sony</button>
</div>
```

Try it Yourself »

Badge

Primary 7

The following example shows how to add badges to buttons:

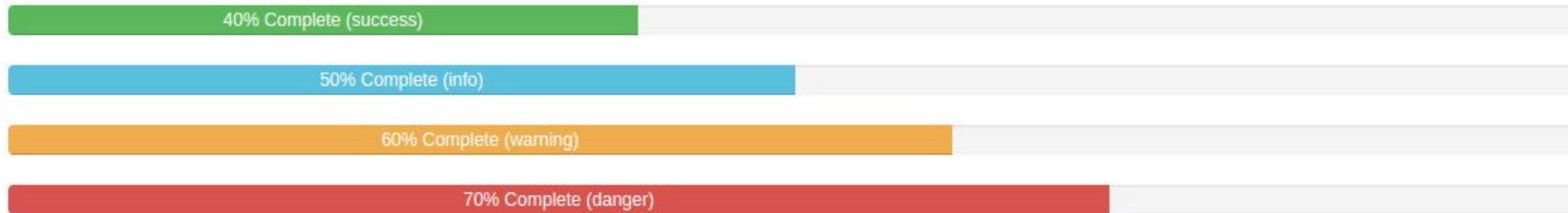
Example

```
<button type="button" class="btn btn-primary">Primary <span class="badge">7</span></button>
```

Try it Yourself »

Progress Bars

- `.progress-bar-success`
- `.progress-bar-info`
- `.progress-bar-warning`
- `.progress-bar-danger`



```
<div class="progress">
  <div class="progress-bar progress-bar-success" role="progressbar" aria-valuenow="40"
    aria-valuemin="0" aria-valuemax="100" style="width:40%">
    40% Complete (success)
  </div>
</div>
```

```
<div class="progress">
  <div class="progress-bar progress-bar-info" role="progressbar" aria-valuenow="50"
    aria-valuemin="0" aria-valuemax="100" style="width:50%">
    50% Complete (info)
  </div>
</div>
```

Try it Yourself »



Componentes CSS

Imagens

Componente Bootstrap Css

- image



images

Rounded Corners:



Circle:



Thumbnail:



```

```

The .img-rounded class adds rounded corners to an image (IE8 does not support rounded corners):

```

```

The .img-circle class shapes the image to a circle (IE8 does not support rounded corners):

```

```

[Try it Yourself »](#)

Componente Bootstrap Css

- glyphicon

 glyphicon glyphicon-move	 glyphicon glyphicon-step-backward	 glyphicon glyphicon-fast-backward	 glyphicon glyphicon-backward	 glyphicon glyphicon-play	 glyphicon glyphicon-pause
 glyphicon glyphicon-fast-forward	 glyphicon glyphicon-step-forward	 glyphicon glyphicon-eject	 glyphicon glyphicon-chevron-left	 glyphicon glyphicon-chevron-right	 glyphicon glyphicon-plus-sign
 glyphicon glyphicon-ok-sign	 glyphicon glyphicon-question-sign	 glyphicon glyphicon-info-sign	 glyphicon glyphicon-screenshot	 glyphicon glyphicon-remove-circle	 glyphicon glyphicon-ok-circle
 glyphicon glyphicon-arrow-right	 glyphicon glyphicon-arrow-up	 glyphicon glyphicon-arrow-down	 glyphicon glyphicon-share-alt	 glyphicon glyphicon-resize-full	 glyphicon glyphicon-resize-small



Componentes CSS

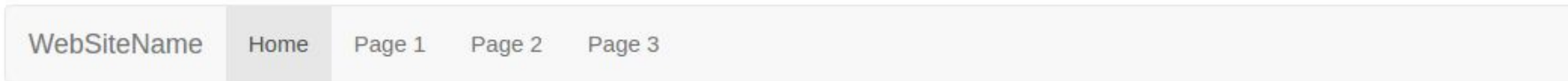
Barra de navegação

Componente Bootstrap Css

- navbar



Navigation Bars



With Bootstrap, a navigation bar can extend or collapse, depending on the screen size.

A standard navigation bar is created with `<nav class="navbar navbar-default">`.

Example

```
<body>
<nav class="navbar navbar-default">
  <div class="container-fluid">
    <div class="navbar-header">
      <a class="navbar-brand" href="#">WebSiteName</a>
    </div>
    <ul class="nav navbar-nav">
      <li class="active"><a href="#">Home</a></li>
      <li><a href="#">Page 1</a></li>
      <li><a href="#">Page 2</a></li>
      <li><a href="#">Page 3</a></li>
    </ul>
  </div>
</nav>
...
```

Try it Yourself »

Basic Dropdown

A dropdown menu is a toggleable menu that allows the user to choose one value from a predefined list:

Dropdown Example ▾

Example

```
<div class="dropdown">
  <button class="btn btn-primary dropdown-toggle" type="button" data-toggle="dropdown">Dropdown Example
  <span class="caret"></span></button>
  <ul class="dropdown-menu">
    <li><a href="#">HTML</a></li>
    <li><a href="#">CSS</a></li>
    <li><a href="#">JavaScript</a></li>
  </ul>
</div>
```

Try it Yourself »



Componentes JavaScript

Componente Bootstrap JS

- alert

Success! This alert box indicates a successful or positive action.



Info! This alert box indicates a neutral informative change or action.



Warning! This alert box indicates a warning that might need attention.



Danger! This alert box indicates a dangerous or potentially negative action.



Componente Bootstrap JS

- panel

Panel with panel-default class

Panel Content

Panel with panel-primary class

Panel Content

Panel with panel-success class

Panel Content

Panel with panel-info class

Panel Content

Componente Bootstrap JS

- modal



Componente Bootstrap JS

- tab



Componente Bootstrap JS

- tooltip

A screenshot of a Bootstrap tooltip. A dark grey tooltip box with rounded corners and a small downward-pointing arrow is positioned above a line of text. The text contains a link that has been highlighted. The tooltip contains the text 'a Lollipop Tiramissu?'.

a Lollipop Tiramissu?

Jujubes icing oat cake [lollipop tiramisu](#). Tiramisu sesame snaps croissant chi
chupa chups chocolate cake candy sugar plum jelly beans. Lollipop pudding
jujubes cookie pudding. Oat cake topping gummi bears oat cake. Muffin jell
sesame snaps ice cream cotton candy.

Tooltip

Adicione o atributo `data-toggle="tooltip"` e o atributo `title` para especificar o texto a ser apresentado no tooltip

```
<a href="#" data-toggle="tooltip" title="Hooray!">Hover over me</a>
```

Example

```
<script>
$(document).ready(function(){
    $('[data-toggle="tooltip"]').tooltip();
});
</script>
```

Try it Yourself »

Componente Bootstrap JS

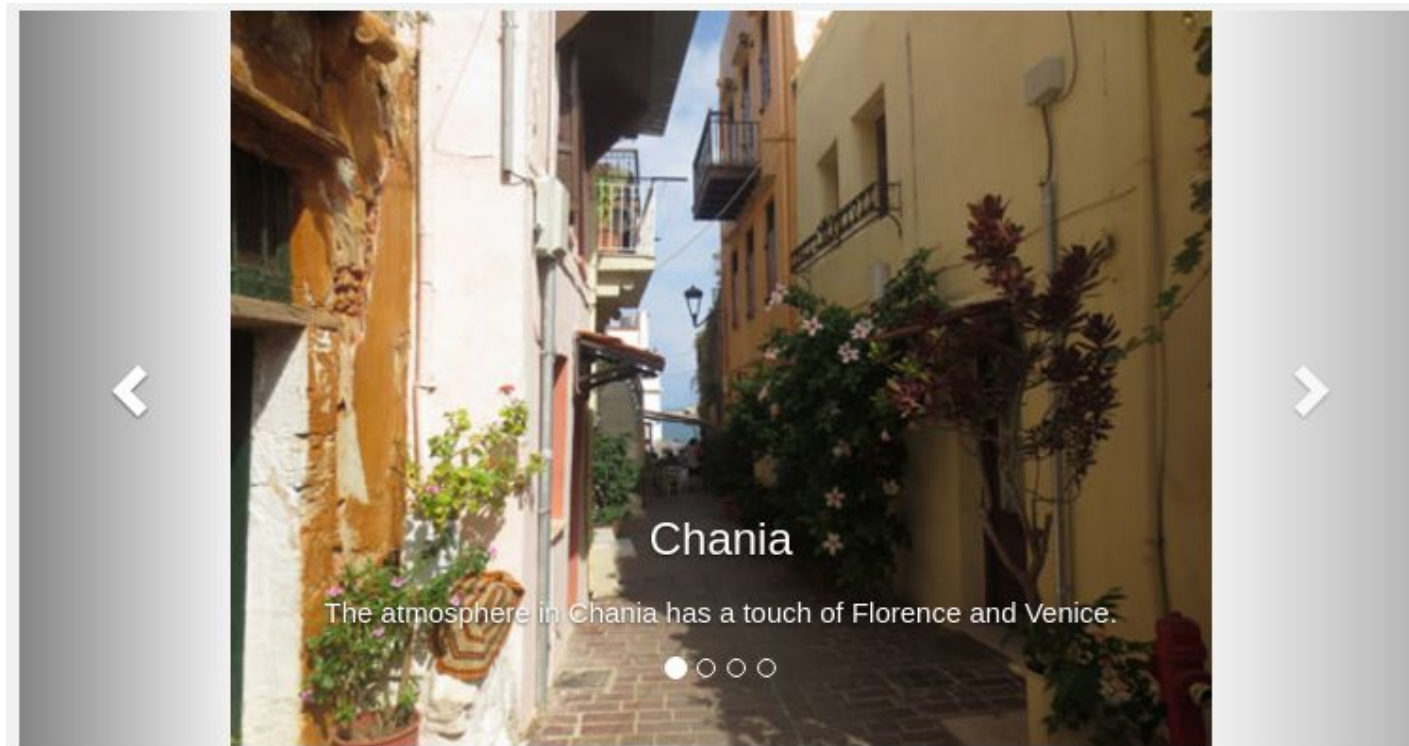
- collapse

Collapsible List Group

<u>Collapsible list group</u>
One
Two
Three
Footer

Componente Bootstrap JS

- carousel





Sistema de Grid

Componente Bootstrap Grid

- grid

span 1	span 1	span 1	span 1	span 1	span 1	span 1	span 1	span 1	span 1	span 1	span 1
span 4				span 4				span 4			
span 4				span 8							
span 6						span 6					
span 12											

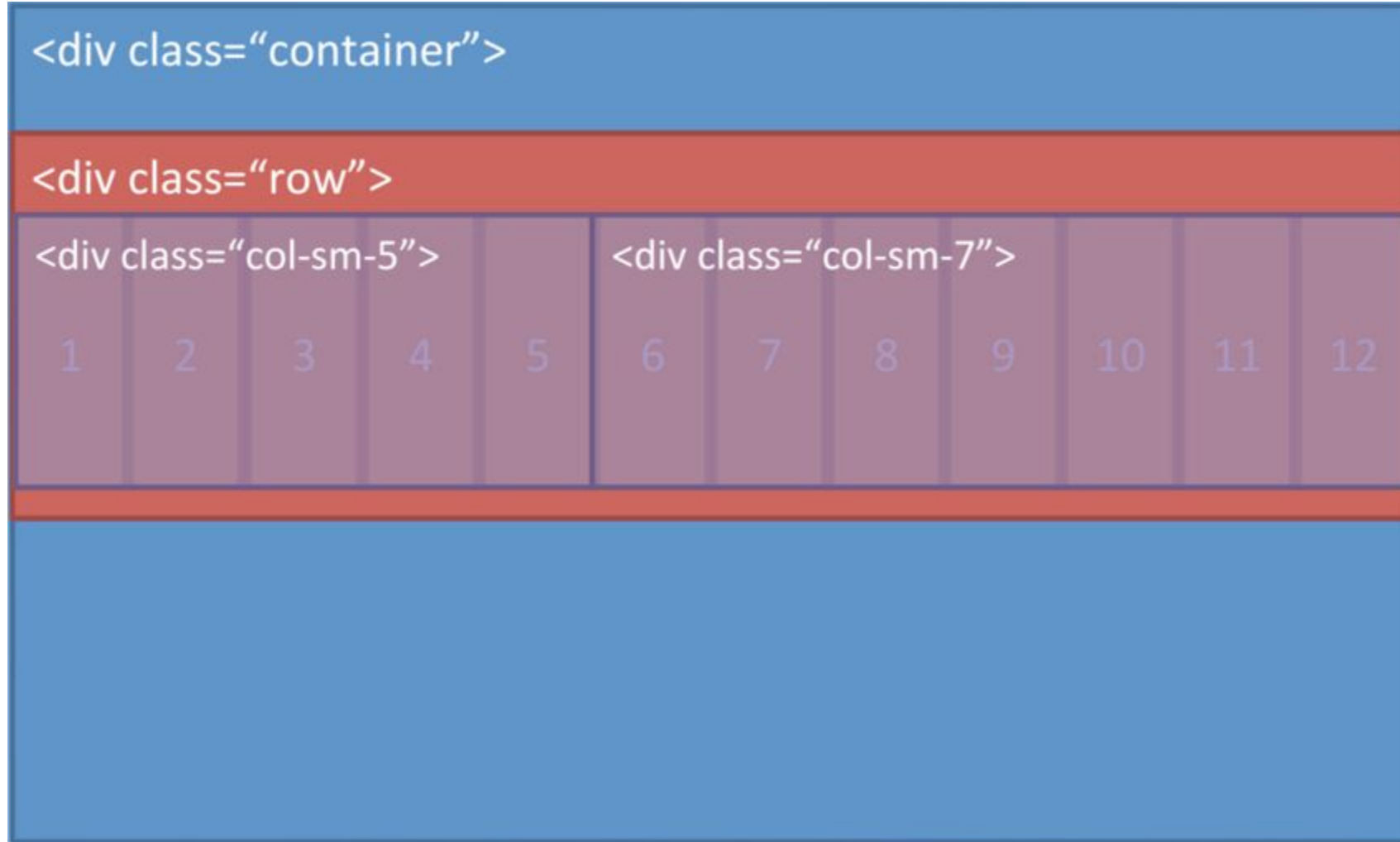
Entendendo Bootstrap Grid

```
<div class="container">
```

```
<div class="row">
```

1	2	3	4	5	6	7	8	9	10	11	12
---	---	---	---	---	---	---	---	---	----	----	----

Entendendo Bootstrap Grid



Entendendo Bootstrap Grid

- Bootstrap disponibiliza 4 classes:
 - – xs para extra small
 - – sm para small
 - – md para medium
 - – lg para large screen sizes
- Cada linha no bootstrap é dividida em 12 colunas.
- Use `.col-xs-*`, `.col-sm-*`, `.col-md-*`, `.col-lg-*` para definir a coluna com o tamanho desejado.



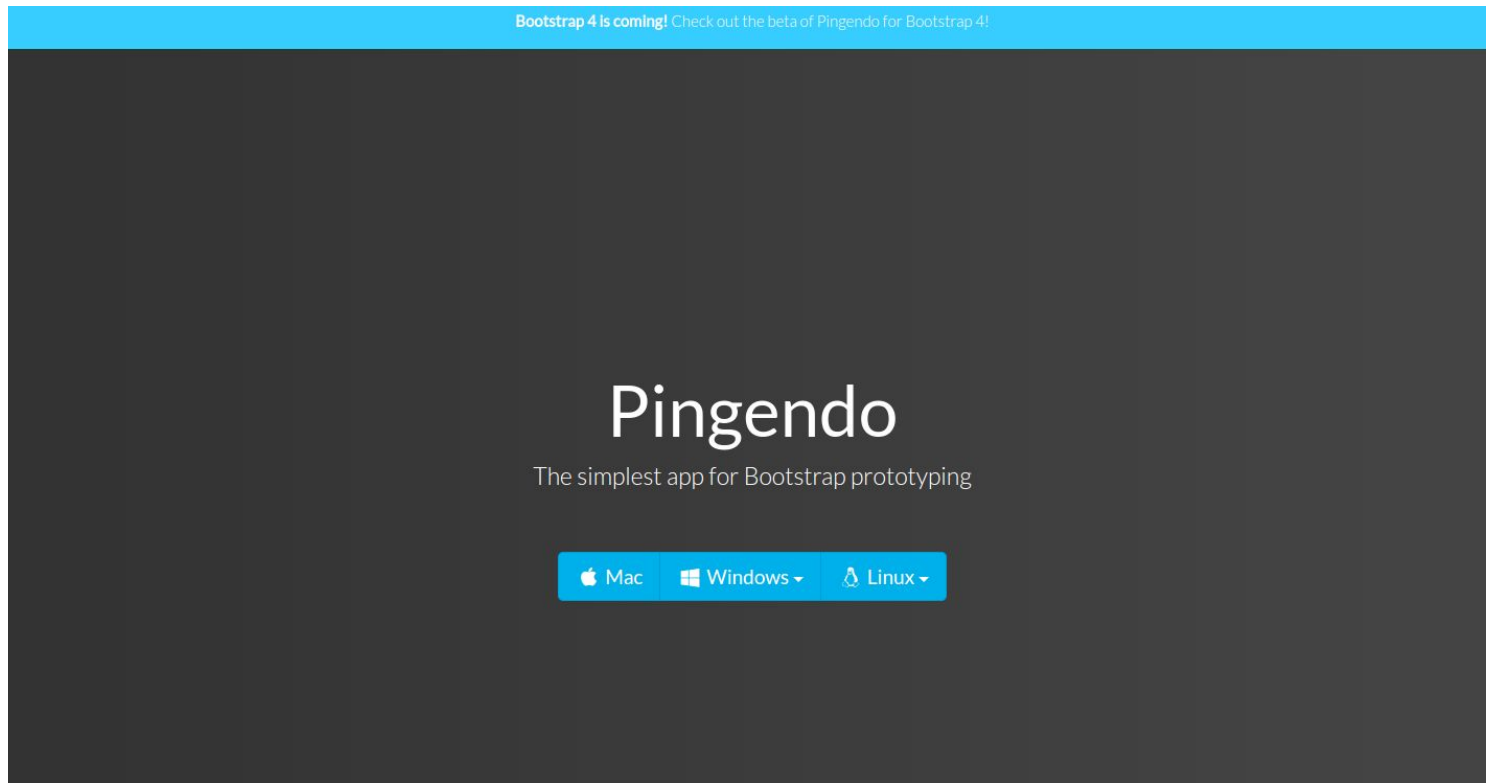
Material de apoio e ferramentas

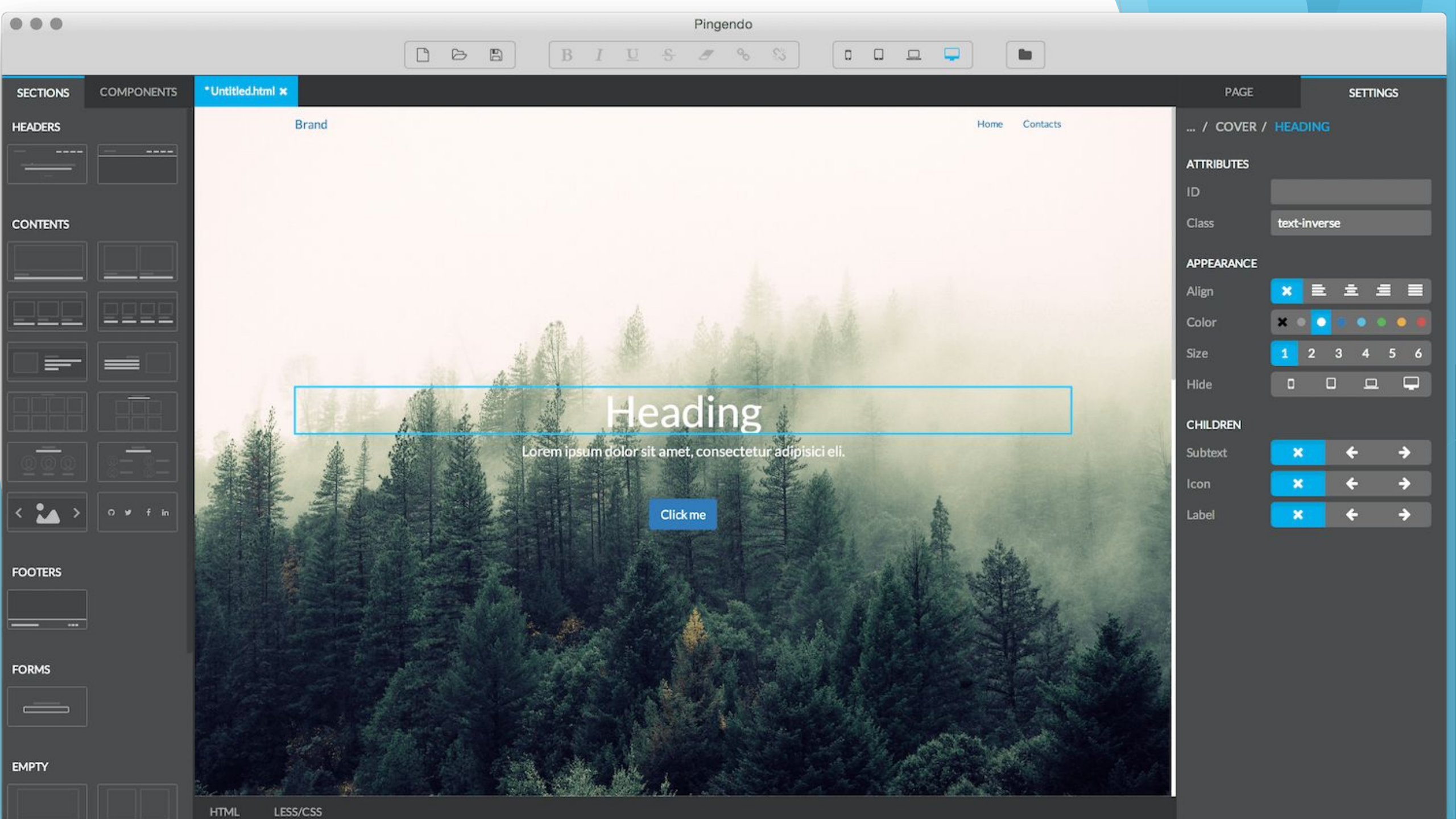
Links úteis

- Sites indispensáveis para o desenvolvedor web.
 - <http://www.w3schools.com/bootstrap/>
 - <http://bootsnipp.com/tags>
 - <http://getbootstrap.com/>

Download Pingendo

- Acesse o site <http://www.pingendo.com>





SECTIONS

COMPONENTS

*Untitled.html x

PAGE

SETTINGS

HEADERS

CONTENTS

FOOTERS

FORMS

EMPTY

Brand

Home Contacts

Heading

Lorem ipsum dolor sit amet, consectetur adipisicing eli.

Click me

ATTRIBUTES

ID

Class

text-inverse

APPEARANCE

Align

Color

Size

Hide

CHILDREN

Subtext

Icon

Label

Bootsnipp.com

- Este site fornece uma infinidade de opções e funcionalidades bootstrap para acelerar o desenvolvedor web, tais como:
 - Gerador de formulário
 - Configuração de botões
 - Centenas de componentes prontos.
 - Gerador de Favicon

Bootsnipp

Design elements, playground and code snippets for [Bootstrap](#) HTML/CSS/JS framework

What is this?

Bootsnipp is an element gallery for web designers and web developers created by [Maks](#), anybody using [Bootstrap](#) will find this website essential in their craft.



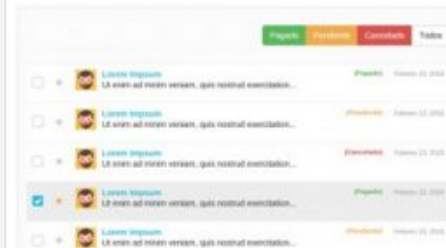
Stay updated, Subscribe to Bootsnipp mailing list

(only important updates will be sent, your email is never shared or sold to anyone else)

Table Panel with Pagin... 17.3K 👁 39 👍



Easy Table Filter 21.0K 👁 57 👍



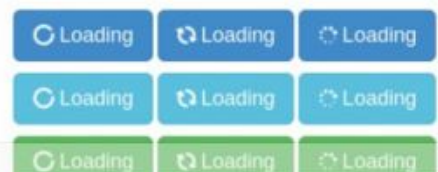
Twitter Profile Card 18.0K 👁 27 👍



Social Icons with FontAwes... 51 👁 0 👍



Loading Button 17.2K 👁 20 👍



Responsive Column Ch... 14.8K 👁 27 👍



Back to Top Scroll Feat... 10.4K 👁 34 👍

istique imperdiet,
eros, sit amet tempor
or.



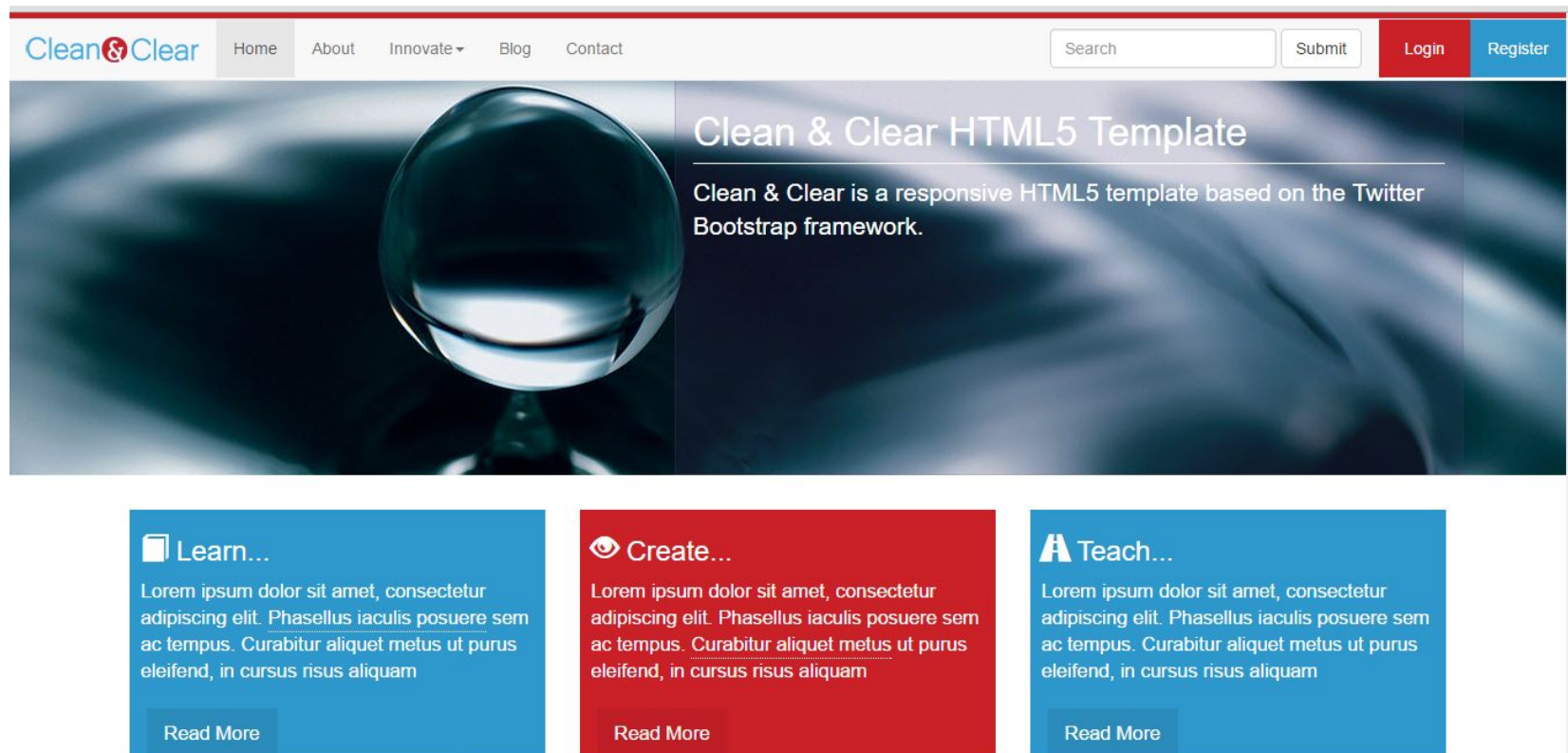
Responsive Team Profi... 26.0K 👁 68 👍

OUR TEAM



Atividade Prática

- Criar o template abaixo:





Dúvidas?

Desenvolvimento de aplicações para Web

Bootstrap

Prof. Nilson Júnior

