Bootstrap 3

—

Prof. Victor Farias

v 1.1

Referências

w3schools.com

http://getbootstrap.com/

Introdução

Bootstrap

- **Bootstrap é o mais popular framework HTML, CSS, e JS para desenvolvimento de projetos responsivo e focado para dispositivos móveis na web**
- Bootstrap inclui componentes para
  - Tipografia
  - Formulário
  - Botão
  - Tabela
  - Navegação
  - Modal
  - Carrossel

Como importar o Bootstrap?

Obs: Requer jQuery!

```html
<!-- Latest compiled and minified CSS -->

<link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/css/bootstrap.min.css">



<!-- jQuery library -->

<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.1.1/jquery.min.js"></script>



<!-- Latest compiled JavaScript -->

<script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/js/bootstrap.min.js"></script>
```

Como importar o Bootstrap?

Recomendação: Adicionar linha abaixo

```
<meta name="viewport" content="width=device-width, initial-scale=1">
```

- Assegura renderização e zoom adequado

Sistema de Grid

Sistema de Grid

- O sistema de grid do Bootstrap admite 12 colunas em uma página

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

- O sistema de grid é responsivo e as colunas podem se adaptar dependendo do tamanho da tela
- A largura de cada elemento é determinado pelo tamanho de células
- Importante: As colunas devem somar 12 células por linha. Se passar disso, as colunas vão se empilhar

Sistema de Grid

- O sistema grid do bootstrap tem quatro classes de tamanho de tela
  - xs (para telefones)
  - sm (para tablets)
  - md (para desktops)
  - lg (para telas maiores)
- Temos três classes principais de elementos
  - .container (largura fixa) ou .container-fluid (largura completa)
  - .row (linha)
  - .col-*-* (coluna)
    - .col-sm-4 ->indica um coluna para tamanho md com 4 células

Regras do Grid

- As linhas (row) devem ser inseridos dentro de container ou container-fluid
- As linha (row) servem para criar grupos horizontais de   colunas
- O conteúdo deve estar disposto dentro de colunas
- Só colunas podem ser filhos imediatos de linha
- Classes de grid se aplicam para tamanhos maiores também
    - Ex: aplicando .col-md-* também afetas tamanhos maiores caso .col-lg-* não esteja setado
- Colunas criam espaço entre outras colunas usando padding
- Por padrão -> box-sizing: border-box

Sistema de Grid

	Extra small devices Phones (<768px)	**Small devices** Tablets (≥768px)	**Medium devices** Desktops (≥992px)	**Large devices** Desktops (≥1200px)
Grid behavior	Horizontal at all times	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			
Column width	Auto	~62px	~81px	~97px
Gutter width	30px (15px on each side of a column)			
Nestable	Yes			
Offsets	Yes			
Column ordering	Yes			

Exemplos

Três colunas de tamanho igual

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

    <div class="row">

      <div class="col-sm-4">.col-sm-4</div>

      <div class="col-sm-4">.col-sm-4</div>

      <div class="col-sm-4">.col-sm-4</div>

    </div>

</div>
```

Exemplos

Três colunas diferentes

```html
<div class="container-fluid">

    <div class="row">

        <div class="col-sm-3">.col-sm-3</div>

        <div class="col-sm-6">.col-sm-6</div>

        <div class="col-sm-3">.col-sm-3</div>

    </div>

</div>
```

Exemplos

2 colunas com 2 colunas aninhadas

```html
<div class="container-fluid">
    <div class="row">
      <div class="col-sm-8">
          .col-sm-8
        <div class="row">
          <div class="col-sm-6">.col-sm-6</div>
          <div class="col-sm-6">.col-sm-6</div>
        </div>
      </div>
      <div class="col-sm-4">.col-sm-4</div>
    </div>
</div>
```

Exemplos

Layout dinâmicos e flexíveis

```html
<div class="container-fluid">
    <div class="row">
        <div class="col-xs-9 col-md-7">.col-xs-9 .col-md-7</div>
        <div class="col-xs-3 col-md-5">.col-xs-3 .col-md-5</div>
    </div>

    <div class="row">
        <div class="col-xs-6 col-md-10">.col-xs-6 .col-md-10</div>
        <div class="col-xs-6 col-md-2">.col-xs-6 .col-md-2</div>
    </div>
</div>
```

CSS

Tipografia

- Bootstrap estiliza <h1> - <h6>, <small>, <mark>, <abbr>, <blockquote>, <code> por padrão
- Bootstrap também oferece cores contextuais de texto:
  - .text-muted
  - .text-primary
  - .text-success
  - .text-info
  - .text-warning
  - .text-danger
- Também oferece cores contextuais de background
  - .bg-primary
  - .bg-success
  - .bg-info
  - .bg-warning
  - .bg-danger

Botões

```html
<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>
```
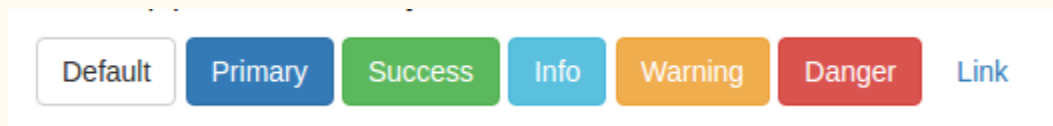
Botões

```html
<button type="button" class="btn btn-primary btn-lg">Large</button>
<button type="button" class="btn btn-primary btn-md">Medium</button>
<button type="button" class="btn btn-primary btn-sm">Small</button>
<button type="button" class="btn btn-primary btn-xs">XSmall</button>
```
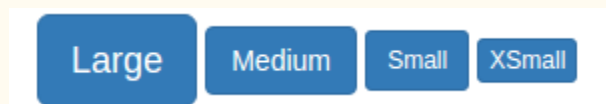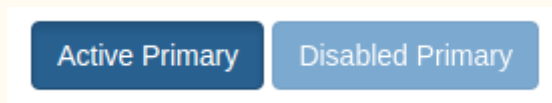


```html
<button type="button" class="btn btn-primary active">Active Primary</button>
<button type="button" class="btn btn-primary disabled">Disabled Primary</button>
```

Para conhecer mais

http://getbootstrap.com/css/

Componentes

Jumbotron

```
<div class="container">
  <div class="jumbotron">
    <h1>Bootstrap Tutorial</h1>
    <p>Bootstrap is the most popular HTML, CSS, and JS framework for developing
        responsive, mobile-first projects on the web.</p>
  </div>
  <p>This is some text.</p>
  <p>This is another text.</p>
</div>
```

Bootstrap Tutorial

Bootstrap is the most popular HTML, CSS, and JS framework for developing responsive, mobile-first projects on the web.

Well

```html
<div class="well">Basic Well</div>

<div class="well well-sm">Small Well</div>

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

Basic Well

Alertas

```html
<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>
```

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

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

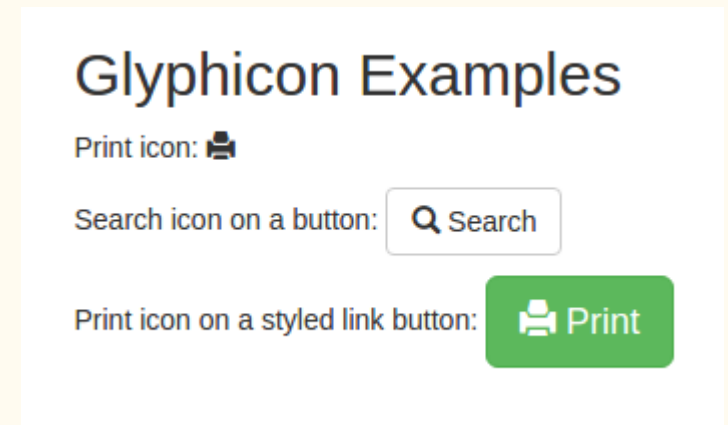**Warning!** This alert box indicates a warning that might need attention.   ×

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

Glyphicons

- Bootstrap oferece 260 ícones providos por http://glyphicons.com/
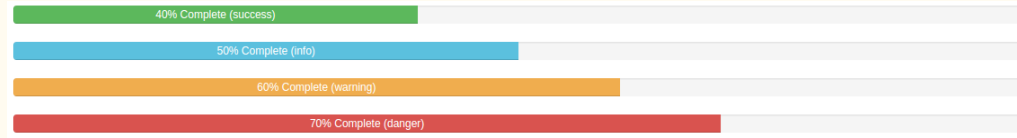
```
<div class="container">
  <h2>Glyphicon Examples</h2>
  <p>Print icon: <span class="glyphicon glyphicon-print"></span></p>
  <p>Search icon on a button:
    <button type="button" class="btn btn-default">
      <span class="glyphicon glyphicon-search"></span> Search
    </button>
  </p>
  <p>Print icon on a styled link button:
    <a href="#" class="btn btn-success btn-lg">
      <span class="glyphicon glyphicon-print"></span> Print
    </a>
  </p>
</div>
```

Barras de Progresso


```html
<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>
<div class="progress">
  <div class="progress-bar progress-bar-warning" role="progressbar" aria-valuenow="60"
  aria-valuemin="0" aria-valuemax="100" style="width:60%">
    60% Complete (warning)
  </div>
</div>
<div class="progress">
  <div class="progress-bar progress-bar-danger" role="progressbar" aria-valuenow="70"
  aria-valuemin="0" aria-valuemax="100" style="width:70%">
    70% Complete (danger)
  </div>
</div>
```

Barras de Progresso

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


40% Complete (success)

```html
<div class="progress">
  <div class="progress-bar progress-bar-success" role="progressbar" style="width:40%">
          Free Space
  </div>
  <div class="progress-bar progress-bar-warning" role="progressbar" style="width:10%">
          Warning
  </div>
  <div class="progress-bar progress-bar-danger" role="progressbar" style="width:20%">
          Danger
  </div>
</div>
```


Free Space | Warning | Danger

Paginação

```html
<ul class="pagination">

 <li><a href="#">1</a></li>

 <li class="active"><a href="#">2</a></li>

 <li><a href="#">3</a></li>

 <li><a href="#">4</a></li>

 <li><a href="#">5</a></li>

</ul>
```
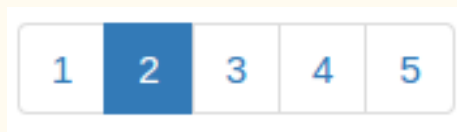
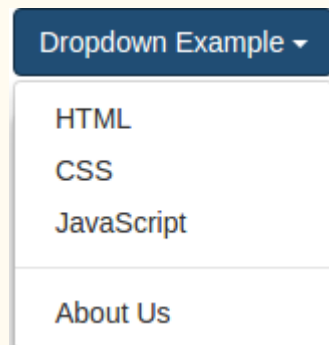# Dropdown

```html
<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>
```

Modal

```html
<!-- Trigger the modal with a button -->
<button type="button" class="btn btn-info btn-lg" data-toggle="modal" data-target="#myModal">Open
Modal</button>

<!-- Modal -->
<div id="myModal" class="modal fade" role="dialog">
  <div class="modal-dialog">

    <!-- Modal content-->
    <div class="modal-content">
      <div class="modal-header">
        <button type="button" class="close" data-dismiss="modal">&times;</button>
        <h4 class="modal-title">Modal Header</h4>
      </div>
      <div class="modal-body">
        <p>Some text in the modal.</p>
      </div>
      <div class="modal-footer">
        <button type="button" class="btn btn-default" data-dismiss="modal">Close</button>
      </div>
    </div>

  </div>
</div>
```

Tooltip

HTML

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

JS

```html
<script>

$(document).ready(function(){

        $('[data-toggle="tooltip"]').tooltip();

});

</script>
```

Popover

HTML

```
<a href="#" data-toggle="popover" title="Popover Header" data-content="Some content inside the popover">Toggle popover</a>
```

JS

```
<script>

$(document).ready(function(){

        $('[data-toggle="popover"]').popover();

});

</script>
```

Barra de Navegação

```html
<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>
```

Para conhecer mais

http://getbootstrap.com/components/

Perguntas?

Prof. Victor Farias