

# Introdução às tecnologias Web - ITW

## Aula 4 – Twitter bootstrap

# Sumário

RWD - Responsive Web Design

Twitter Bootstrap

Grid system

Visual Studio e o Bootstrap



# Responsive web design (RWD)

Responsive web design (RWD) é uma abordagem de web design que visa a elaboração de sites que forneçam

- uma experiência de visualização e leitura fácil;
- navegação otimizada com um mínimo de redimensionamento;
- visão panorâmica e rolagem através de uma ampla gama de dispositivos que variam desde os telefones móveis passando pelos tablets e terminando em computador de mesa com monitores de diversas resoluções.

# Twitter Bootstrap

Bootstrap é uma coleção de ferramentas para a criação de sites e aplicações web.

- Foi desenvolvido pela Twitter

Contém um conjunto de marcadores HTML e modelos de design baseados em CSS para tipografia, formulários, botões, navegação e outros componentes da interface

Possui ainda um conjunto de extensões JavaScript opcionais.



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

17/10/2016  
©2014-16, JOAQUIM SOUSA PINTO



**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.

# O pacote bootstrap

<http://getbootstrap.com/getting-started/#download>

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

} folhas de estilos

} scripts javascript

} fonte com ícones

Versão atual: 3.3.7 (out2016)  
Dependências: pacote jQuery

# Funcionalidades Bootstrap

## Menus – desktop



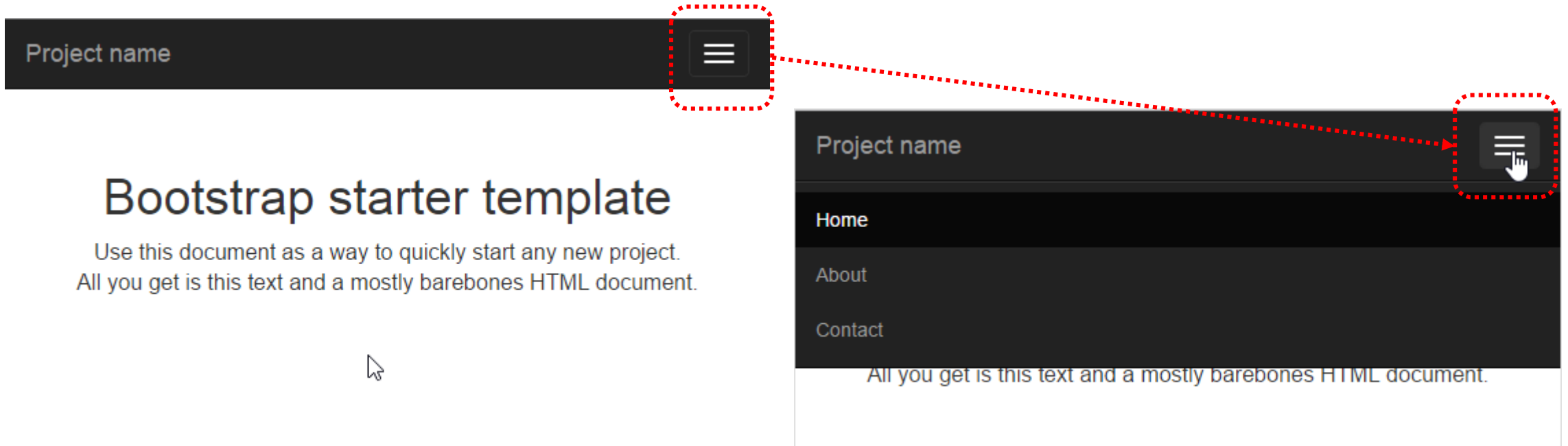
## Bootstrap starter template

Use this document as a way to quickly start any new project.  
All you get is this text and a mostly barebones HTML document.



# Funcionalidades Bootstrap

## Menus – mobile



# Funcionalidades Bootstrap

## Menus - código

```
<nav class="navbar navbar-inverse navbar-fixed-top" role="navigation">
  <div class="container">
    <div class="navbar-header">
      <button type="button" class="navbar-toggle collapsed" data-toggle="collapse"
        data-target="#navbar" aria-expanded="false" aria-controls="navbar">
        <span class="sr-only">Toggle navigation</span>
        <span class="icon-bar"></span>
        <span class="icon-bar"></span>
        <span class="icon-bar"></span>
      </button>
      <a class="navbar-brand" href="#">Project name</a>
    </div>
    <div id="navbar" class="collapse navbar-collapse">
      <ul class="nav navbar-nav">
        <li class="active"><a href="#">Home</a></li>
        <li><a href="#about">About</a></li>
        <li><a href="#contact">Contact</a></li>
      </ul>
    </div>
  </div>
</nav>
```

<http://getbootstrap.com/examples/starter-template/#contact>



# Funcionalidades Bootstrap

## Grelhas para informação - conceitos

	Extra small devicesPhones ( $<768\text{px}$ )	Small devices Tablets ( $\geq 768\text{px}$ )	Medium devicesDesktops ( $\geq 992\text{px}$ )	Large devices Desktops ( $\geq 1200\text{px}$ )
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			

# Funcionalidades Bootstrap

## Grelhas para informação - exemplos

Mixed: mobile, tablet, and desktop

<code>.col-xs-12 .col-sm-6</code> <code>col-lg-8</code>		<code>.col-xs-6</code> <code>col-lg-4</code>
<code>.col-xs-6 .col-sm-4</code>	<code>.col-xs-6 .col-sm-4</code>	<code>.col-xs-6 .col-sm-4</code>

Mixed: mobile, tablet, and desktop

<code>.col-xs-12</code> <code>col-sm-6</code> <code>col-lg-8</code>	<code>.col-xs-6</code> <code>col-lg-4</code>	
<code>.col-xs-6</code> <code>col-sm-4</code>	<code>.col-xs-6</code> <code>col-sm-4</code>	<code>.col-xs-6</code> <code>col-sm-4</code>

<http://getbootstrap.com/examples/grid/>

# Funcionalidades Bootstrap

## Grelhas para informação - exemplos

Mixed: mobile, tablet, and desktop

col-xs-12 col-sm-6 col-lg-8

col-xs-6 col-lg-4

col-xs-6 col-sm-4

col-xs-6 col-sm-4

col-xs-6 col-sm-4

<http://getbootstrap.com/examples/grid/>

# Funcionalidades Bootstrap

## Grelhas para informação - exemplos

```
<body>
  <div class="container">
    <h3>Mixed: mobile, tablet, and desktop</h3>
    <p></p>
    <div class="row">
      <div class="col-xs-12 col-sm-6 col-lg-8">.col-xs-12 .col-sm-6 .col-lg-8</div>
      <div class="col-xs-6 col-lg-4">.col-xs-6 .col-lg-4</div>
    </div>
    <div class="row">
      <div class="col-xs-6 col-sm-4">.col-xs-6 .col-sm-4</div>
      <div class="col-xs-6 col-sm-4">.col-xs-6 .col-sm-4</div>
      <div class="col-xs-6 col-sm-4">.col-xs-6 .col-sm-4</div>
    </div>
  </div>

  (...)

</body>
```

<http://getbootstrap.com/examples/grid/>

# Funcionalidades Bootstrap

## Jumbotron - conceitos

Um elemento jumbotron ocupa toda a largura do browser.

Isso é conseguido através da especificação de um `<div>` com a classe "container-fluid".

```
<div class="container-fluid">  
  <div class="row">  
    ...  
  </div>  
</div>
```

Nos elementos anteriores o elemento `<div>` estava sempre dentro de uma classe "container".

# Funcionalidades Bootstrap

## Jumbotron – exemplos (desktop)

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.

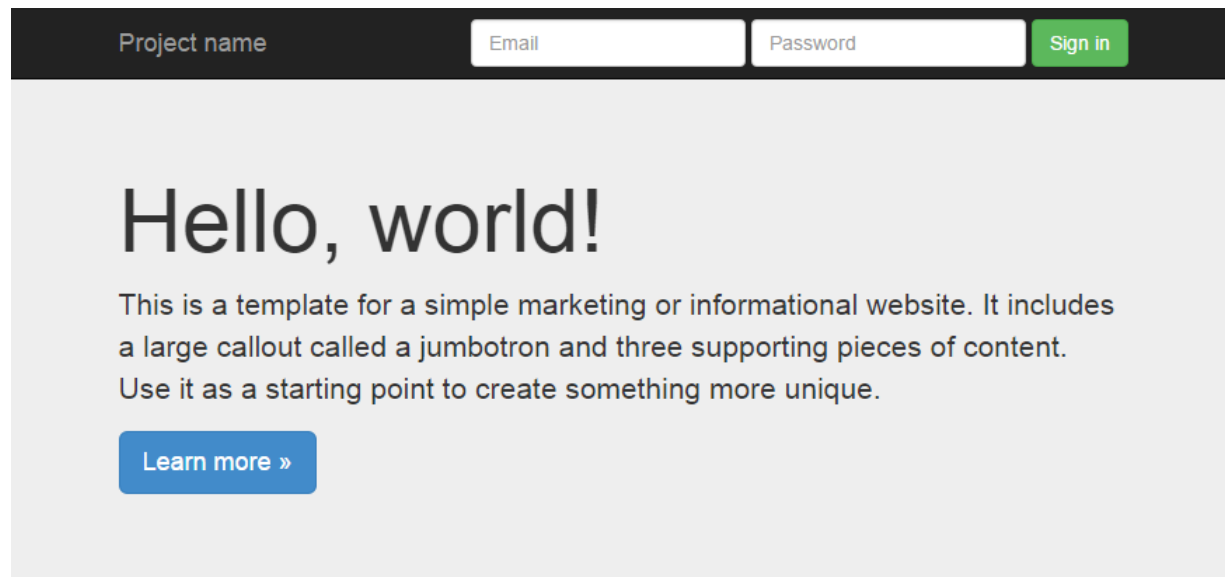
View details »

17/10/2016

4

# Funcionalidades Bootstrap

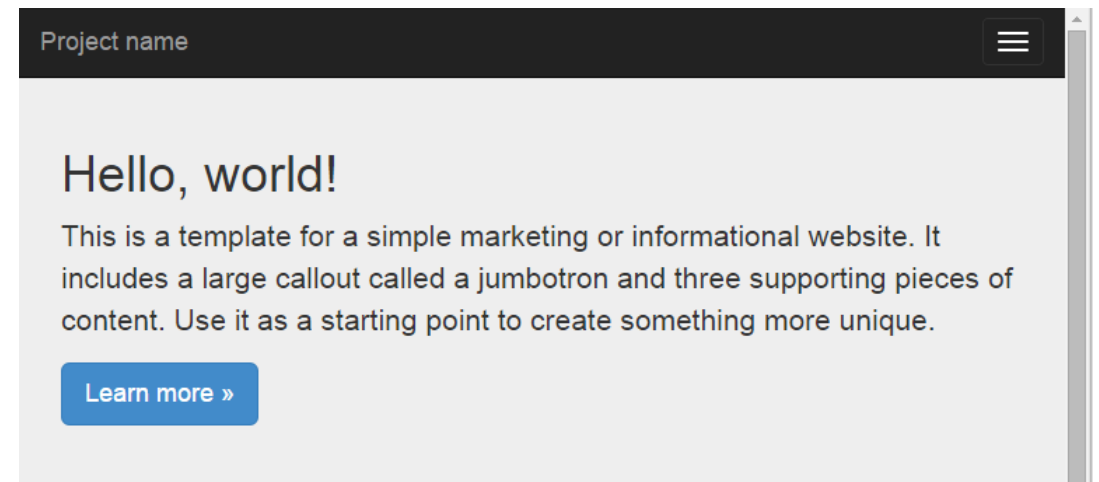
## Jumbotron – exemplos (tablet | mobile)



### 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.

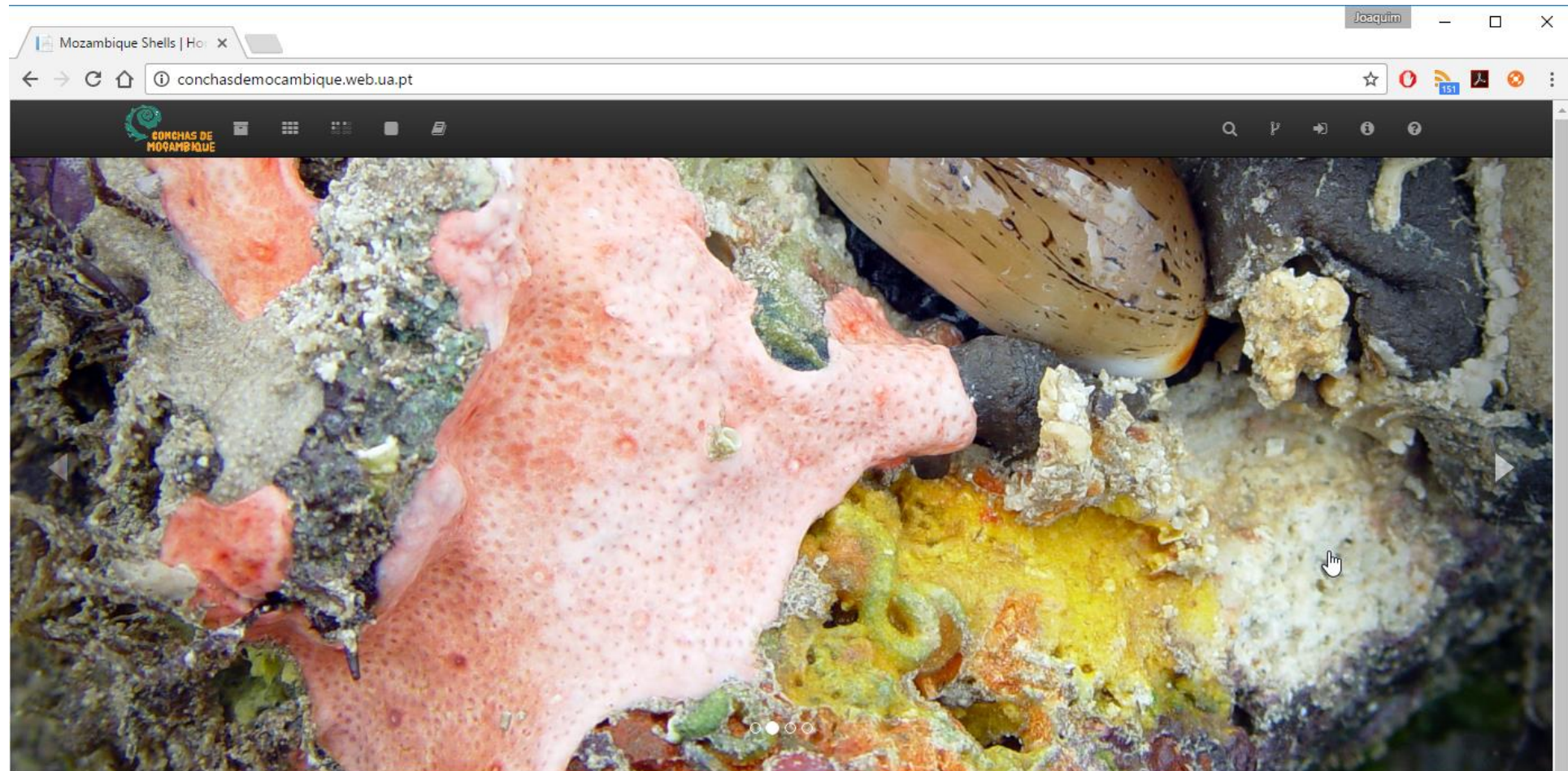
[View details »](#)

### Heading



# Funcionalidades Bootstrap

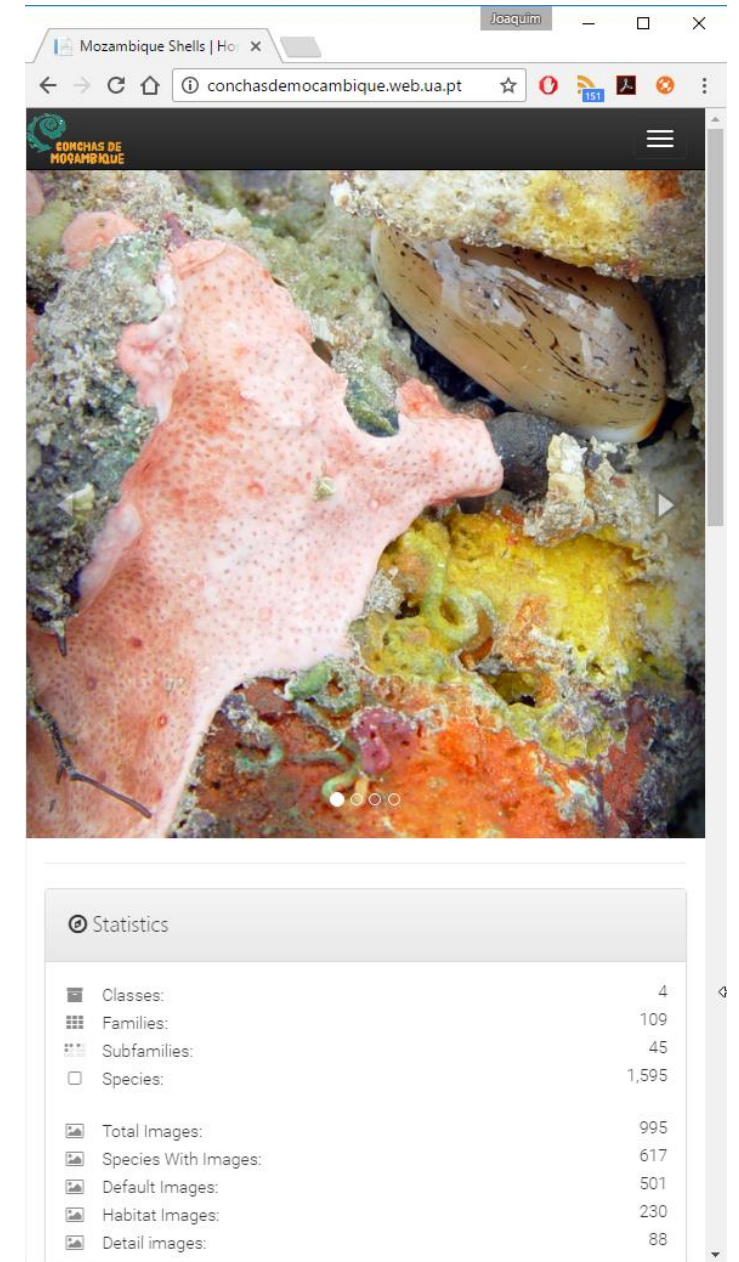
## Jumbotron – exemplos (imagens)





# Funcionalidades Bootstrap

## Jumbotron – exemplos (imagens)



# Funcionalidades Bootstrap

## Tipos e tamanhos de letra

### EXAMPLE

**h1. Bootstrap heading** Secondary text

---

**h2. Bootstrap heading** Secondary text

---

**h3. Bootstrap heading** Secondary text

---

**h4. Bootstrap heading** Secondary text

---

**h5. Bootstrap heading** Secondary text

---

**h6. Bootstrap heading** Secondary text

---

```
<h1>h1. Bootstrap heading <small>Secondary text</small></h1>
<h2>h2. Bootstrap heading <small>Secondary text</small></h2>
<h3>h3. Bootstrap heading <small>Secondary text</small></h3>
<h4>h4. Bootstrap heading <small>Secondary text</small></h4>
<h5>h5. Bootstrap heading <small>Secondary text</small></h5>
<h6>h6. Bootstrap heading <small>Secondary text</small></h6>
```

Copy

# Funcionalidades Bootstrap

## Tables

### EXAMPLE

#	First Name	Last Name	Username
1	Mark	Otto	@mdo
2	Jacob	Thornton	@fat
3	Larry	the Bird	@twitter

```
<table class="table table-striped">  
  ...  
</table>
```

[Copy](#)

<http://getbootstrap.com/css/#tables>

# Funcionalidades Bootstrap

## Formulários

EXAMPLE

**Email address**

**Password**

**File input**

No file chosen

Example block-level help text here.

☐ Check me out

<http://getbootstrap.com/css/#forms>

```
<form role="form">
  <div class="form-group">
    <label for="exampleInputEmail1">Email address</label>
    <input type="email" class="form-control" id="exampleInputEmail1"
      placeholder="Enter email">
  </div>
  <div class="form-group">
    <label for="exampleInputPassword1">Password</label>
    <input type="password" class="form-control" id="exampleInputPassword1"
      placeholder="Password">
  </div>
  <div class="form-group">
    <label for="exampleInputFile">File input</label>
    <input type="file" id="exampleInputFile">
    <p class="help-block">Example block-level help text here.</p>
  </div>
  <div class="checkbox">
    <label>
      <input type="checkbox"> Check me out
    </label>
  </div>
  <button type="submit" class="btn btn-default">Submit</button>
</form>
```

# Funcionalidades Bootstrap

## Formulários

EXAMPLE

Email	<input type="text" value="Email"/>
Password	<input type="password" value="Password"/>
<input type="checkbox"/> Remember me	
<input type="button" value="Sign in"/>	

```
<form class="form-horizontal" role="form">
  <div class="form-group">
    <label for="inputEmail3" class="col-sm-2 control-label">Email</label>
    <div class="col-sm-10">
      <input type="email" class="form-control" id="inputEmail3" placeholder="Email">
    </div>
  </div>
  <div class="form-group">
    <label for="inputPassword3" class="col-sm-2 control-label">Password</label>
    <div class="col-sm-10">
      <input type="password" class="form-control" id="inputPassword3" placeholder="Password">
    </div>
  </div>
  <div class="form-group">
    <div class="col-sm-offset-2 col-sm-10">
      <div class="checkbox">
        <label>
          <input type="checkbox"> Remember me
        </label>
      </div>
    </div>
  </div>
  <div class="form-group">
    <div class="col-sm-offset-2 col-sm-10">
      <button type="submit" class="btn btn-default">Sign in</button>
    </div>
  </div>
</form>
```

# Funcionalidades Bootstrap

## Botões – códigos de cor

### EXAMPLE



<http://getbootstrap.com/css/#buttons>

```
<!-- Standard button -->
<button type="button" class="btn btn-default">Default</button>

<!-- Provides extra visual weight and identifies the primary action in a set of buttons -->
<button type="button" class="btn btn-primary">Primary</button>

<!-- Indicates a successful or positive action -->
<button type="button" class="btn btn-success">Success</button>

<!-- Contextual button for informational alert messages -->
<button type="button" class="btn btn-info">Info</button>

<!-- Indicates caution should be taken with this action -->
<button type="button" class="btn btn-warning">Warning</button>

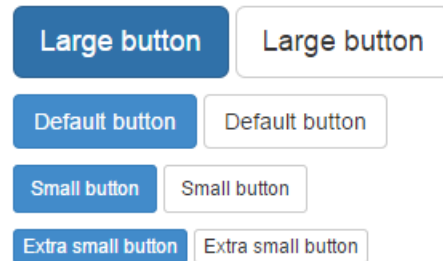
<!-- Indicates a dangerous or potentially negative action -->
<button type="button" class="btn btn-danger">Danger</button>

<!-- Deemphasize a button by making it look like a link while maintaining button behavior -->
<button type="button" class="btn btn-link">Link</button>
```

# Funcionalidades Bootstrap

## Botões - tamanho

### EXAMPLE



```
<p>
  <button type="button" class="btn btn-primary btn-lg">Large button</button>
  <button type="button" class="btn btn-default btn-lg">Large button</button>
</p>
<p>
  <button type="button" class="btn btn-primary">Default button</button>
  <button type="button" class="btn btn-default">Default button</button>
</p>
<p>
  <button type="button" class="btn btn-primary btn-sm">Small button</button>
  <button type="button" class="btn btn-default btn-sm">Small button</button>
</p>
<p>
  <button type="button" class="btn btn-primary btn-xs">Extra small button</button>
  <button type="button" class="btn btn-default btn-xs">Extra small button</button>
</p>
```

# Funcionalidades Bootstrap

## Tabs

EXAMPLE

<http://getbootstrap.com/components/#nav>

Home

Profile

Messages

```
<ul class="nav nav-tabs" role="tablist">
  <li role="presentation" class="active">
    <a href="#tab-1" role="tab" data-toggle="tab">Home</a></li>
  <li role="presentation">
    <a href="#tab-2" role="tab" data-toggle="tab">Profile</a></li>
  <li role="presentation">
    <a href="#tab-3" role="tab" data-toggle="tab">Messages</a></li>
</ul>

<div class="tab-content" style="min-height: 400px;">
  <div class="tab-pane fade in active" id="tabs-1">
    ...
  </div>
  <div class="tab-pane fade" id="tabs-2">
    ...
  </div>
  <div class="tab-pane fade" id="tabs-3">
    ...
  </div>
</div>
```



# Funcionalidades Bootstrap

## Labels

<http://getbootstrap.com/components/#labels>

### EXAMPLE

Default Primary Success Info Warning Danger

```
<span class="label label-default">Default</span>
<span class="label label-primary">Primary</span>
<span class="label label-success">Success</span>
<span class="label label-info">Info</span>
<span class="label label-warning">Warning</span>
<span class="label label-danger">Danger</span>
```

Copy

# Funcionalidades Bootstrap

## Badges

### EXAMPLE

<http://getbootstrap.com/components/#badges>

Inbox 42

Messages 4

```
<a href="#">Inbox <span class="badge">42</span></a>
```

Copy

```
<button class="btn btn-primary" type="button">  
  Messages <span class="badge">4</span>  
</button>
```

# Funcionalidades Bootstrap

## Alert boxes

### EXAMPLE

<http://getbootstrap.com/components/#alerts>

**Well done!** You successfully read this important alert message.

**Heads up!** This alert needs your attention, but it's not super important.

**Warning!** Better check yourself, you're not looking too good.

**Oh snap!** Change a few things up and try submitting again.

```
<div class="alert alert-success" role="alert">...</div>
<div class="alert alert-info" role="alert">...</div>
<div class="alert alert-warning" role="alert">...</div>
<div class="alert alert-danger" role="alert">...</div>
```

Copy

# Funcionalidades Bootstrap

## Panels

EXAMPLE

<http://getbootstrap.com/components/#panels>

Panel title

Panel content

Panel title

Panel content

Panel title

Panel content

Panel title

Panel content

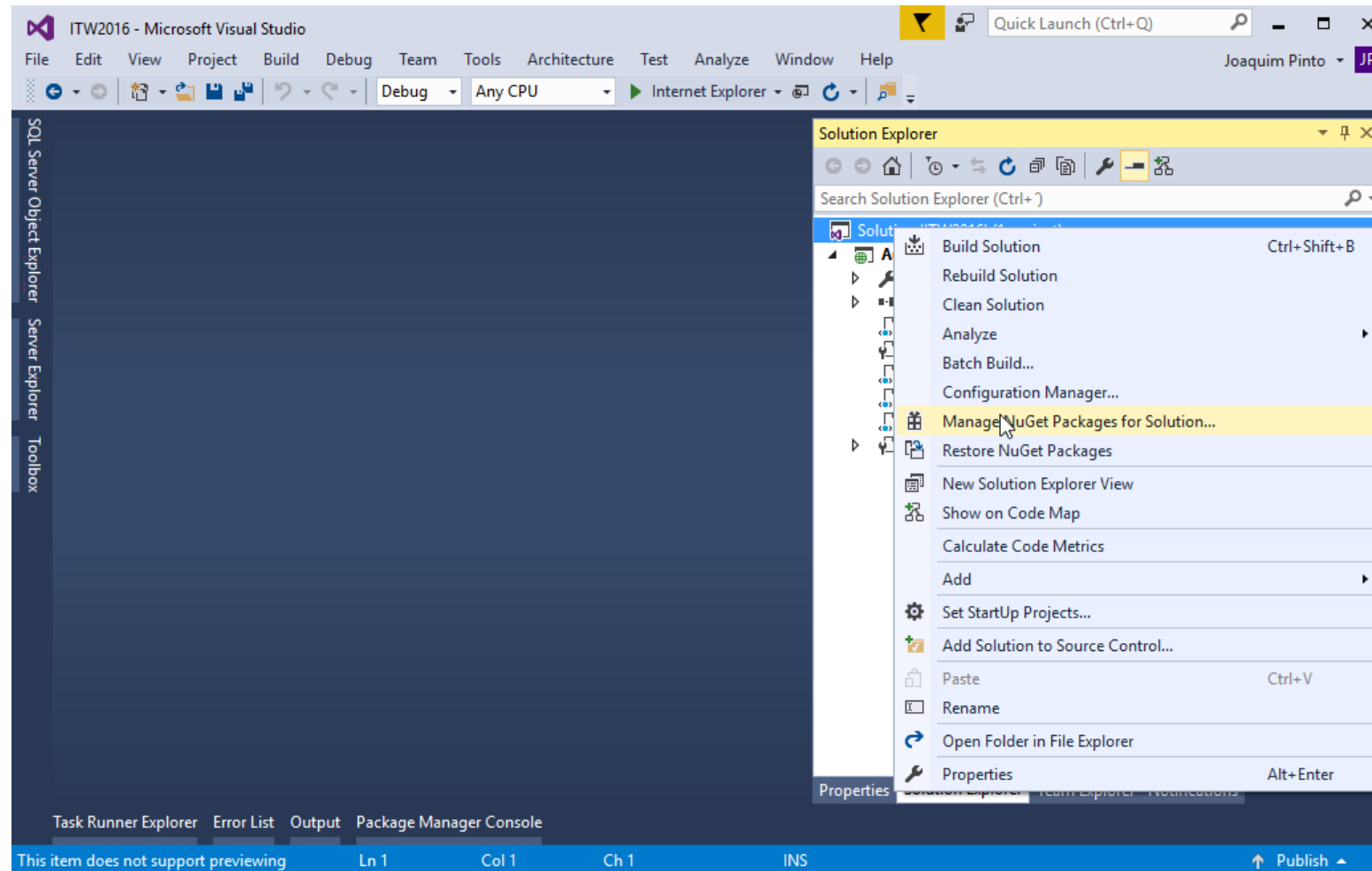
Panel title

Panel content

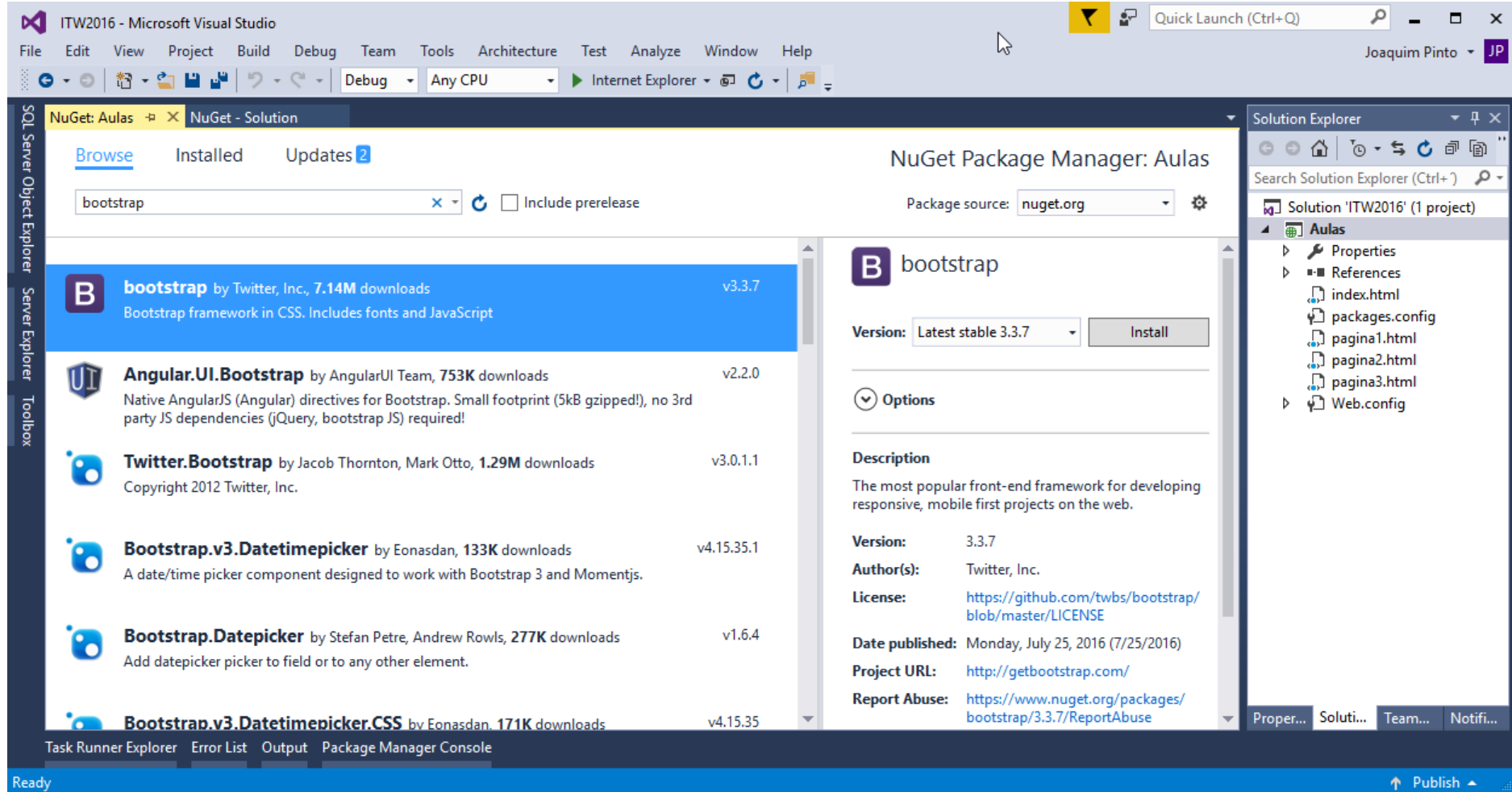
```
<div class="panel panel-primary">...</div>
<div class="panel panel-success">...</div>
<div class="panel panel-info">...</div>
<div class="panel panel-warning">...</div>
<div class="panel panel-danger">...</div>
```

# Usando o bootstrap com o Visual Studio

# Adicionado packages ao projeto



# Seleccionando o package bootstrap



ITW2016 - Microsoft Visual Studio

File Edit View Project Build Debug Team Tools Architecture Test Analyze Window Help

Quick Launch (Ctrl+Q)

Joaquim Pinto JP

NuGet: Aulas X NuGet - Solution

Browse Installed Updates 3

bootstrap x Include prerelease

Package source: nuget.org

**bootstrap** by Twitter, Inc., 7.14M downloads v3.3.7  
Bootstrap framework in CSS. Includes fonts and JavaScript

**Angular.UI.Bootstrap** by AngularUI Team, 753K downloads v2.2.0  
Native AngularJS (Angular) directives for Bootstrap. Small footprint (5kB gzipped!), no 3rd party JS dependencies (jQuery, bootstrap JS) required!

**Twitter.Bootstrap** by Jacob Thornton, Mark Otto, 1.29M downloads v3.0.1.1  
Copyright 2012 Twitter, Inc.

**Bootstrap.v3.Datetimepicker** by Eonasdan, 133K downloads v4.15.35.1  
A date/time picker component designed to work with Bootstrap 3 and Momentjs.

**Bootstrap.Datepicker** by Stefan Petre, Andrew Rowls, 277K downloads v1.6.4  
Add datepicker picker to field or to any other element.

**Bootstrap.v3.Datetimepicker.CSS** by Eonasdan, 171K downloads v4.15.35  
A date/time picker component designed to work with Bootstrap 3 and Momentjs.

**FontAwesome** by Dave Gandy, 862K downloads v4.6.3  
Font Awesome for Twitter Bootstrap - <http://fontawesome.io>

**bootstrap**

Installed: 3.3.7 Uninstall

Version: 3.3.6 Update

Options

Description

The most popular front-end framework for developing responsive, mobile first projects on the web.

Version: 3.3.6

Author(s): Twitter, Inc.

License: <https://github.com/twbs/bootstrap/blob/master/LICENSE>

Date published: Tuesday, November 24, 2015 (11/24/2015)

Project URL: <http://getbootstrap.com>

Report Abuse: <https://www.nuget.org/packages/bootstrap/3.3.6/ReportAbuse>

Tags: web, responsive, mobile-first, less, css, front-end, js, framework

Solution Explorer

Search Solution Explorer (Ctrl+)

Content

- bootstrap-theme.css
- bootstrap-theme.css.map
- bootstrap-theme.min.css
- bootstrap-theme.min.css.map
- bootstrap.css
- bootstrap.css.map
- bootstrap.min.css
- bootstrap.min.css.map

fonts

- glyphicons-halflings-regular.eot
- glyphicons-halflings-regular.svg
- glyphicons-halflings-regular.ttf
- glyphicons-halflings-regular.woff
- glyphicons-halflings-regular.woff

Scripts

- bootstrap.js
- bootstrap.min.js
- jquery-1.9.1.intellisense.js
- jquery-1.9.1.js
- jquery-1.9.1.min.js
- jquery-1.9.1.min.map

index.html

packages.config

pagina1.html

pagina2.html

pagina3.html

Web.config

Properties Solution E... Team Expl... Notificati...

Task Runner Explorer Error List Output Package Manager Console

This item does not support previewing

Publish



# Seleccionando o package font-awesome

The screenshot shows the Microsoft Visual Studio interface with the NuGet Package Manager open. The 'Browse' tab is selected, and the search term 'awesome' is entered. The 'FontAwesome' package by Dave Gandy is highlighted. The right pane shows the details for FontAwesome v4.6.3, including the 'Install' button. The Solution Explorer on the right shows the project structure with files like bootstrap-theme.css, fonts, and scripts.

**NuGet Package Manager: Aulas**

Package source: nuget.org

**FontAwesome** by Dave Gandy, 862K downloads v4.6.3  
Font Awesome for Twitter Bootstrap - <http://fontawesome.io>

**font-awesome** by Dave Gandy, 121K downloads v4.6.1  
Font Awesome - The iconic font designed for Bootstrap

**AweSome** by Microsoft, 1.99K downloads v1.0.0  
Package description

**Font.Awesome** by Dave Gandy, Tieson Trowbridge (NuGet package only), 52.3 v4.6.3  
Font Awesome, the iconic font and CSS toolkit.

**awesome.jquery** by Nate Lowry, 1.29K downloads v1.0.0  
Want to add some awesome to your site? Can't find the words? Now you can! `$("#myDiv").awesome()` will replace the text with an awesome word from the list.

**Selenium.WebDriver.Awesome** by Swen Kooij, 522 downloads v1.0.0.3  
Awesome object extensions for Selenium WebDriver. Currently adds support for HTML5 Drag and Drop.

**FontAwesomelcons** by Md. Alim UI Karim, 398 downloads v1.0.3  
Contains latest FontAwesome less,css,fonts and few C# constants for FontAwesome

**FontAwesome** details:

- Version: Latest stable 4.6.3
- Options
- Description: Iconic font designed for use with Twitter Bootstrap. Package Issues? Post them to <https://github.com/JustLikelcarus/Font-Awesome-NuGet/issues>
- Version: 4.6.3
- Author(s): Dave Gandy
- License: <http://fontawesome.io/license/>
- Date published: Thursday, June 30, 2016 (6/30/2016)
- Project URL: <http://fontawesome.io/>
- Report Abuse: <https://www.nuget.org/packages/FontAwesome/4.6.3/ReportAbuse>
- Tags: Twitter, FontAwesome, Iconic, Bootstrap, Font, Awesome, FontAwesome

**Solution Explorer**

- Content
  - bootstrap-theme.css
  - bootstrap-theme.css.map
  - bootstrap-theme.min.css
  - bootstrap-theme.min.css.map
  - bootstrap.css
  - bootstrap.css.map
  - bootstrap.min.css
  - bootstrap.min.css.map
- fonts
  - glyphicons-halflings-regular.eot
  - glyphicons-halflings-regular.svg
  - glyphicons-halflings-regular.ttf
  - glyphicons-halflings-regular.woff
  - glyphicons-halflings-regular.woff2
- Scripts
  - bootstrap.js
  - bootstrap.min.js
  - jquery-1.9.1.intellisense.js
  - jquery-1.9.1.js
  - jquery-1.9.1.min.js
  - jquery-1.9.1.min.map
- index.html
- packages.config
- pagina1.html
- pagina2.html
- pagina3.html
- Web.config

ITW2016 - Microsoft Visual Studio

File Edit View Project Build Debug Team Tools Architecture Test Analyze Window Help

Debug Any CPU Internet Explorer

NuGet: Aulas X NuGet - Solution

Browse Installed Updates 3

awesome x Include prerelease

Package source: nuget.org

### NuGet Package Manager: Aulas

**FontAwesome** by Dave Gandy, 862K downloads v4.6.3  
Font Awesome for Twitter Bootstrap - <http://fontawesome.io>

**font-awesome** by Dave Gandy, 121K downloads v4.6.1  
Font Awesome - The iconic font designed for Bootstrap

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Package description

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Font Awesome, the iconic font and CSS toolkit.

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Want to add some awesome to your site? Can't find the words? Now you can! `$("#myDiv").awesome()` will replace the text with an awesome word from the list.

**Selenium.WebDriver.Awesome** by Swen Kooij, 522 downloads v1.0.0.3  
Awesome object extensions for Selenium WebDriver. Currently adds support for HTML5 Drag and Drop.

**FontAwesomelcons** by Md. Alim UI Karim, 398 downloads v1.0.3  
Contains latest FontAwesome less,css,fonts and few C# constants for FontAwesome.

**FontAwesome**

Installed: 4.6.3 Uninstall

Version: 4.4.0 Update

Options

**Description**

Iconic font designed for use with Twitter Bootstrap. Package Issues? Post them to <https://github.com/JustLikelcarus/Font-Awesome-NuGet/issues>

**Version:** 4.4.0

**Author(s):** Dave Gandy

**License:** <http://fontawesome.io/license/>

**Date published:** Tuesday, September 15, 2015 (9/15/2015)

**Project URL:** <http://fontawesome.io/>

**Report Abuse:** <https://www.nuget.org/packages/FontAwesome/4.4.0/ReportAbuse>

**Tags:** Font, Bootstrap, Iconic, Awesome, FontAwesome, FontAwesome, Twitter

**Solution Explorer**

Search Solution Explorer (Ctrl+ )

- Content
  - bootstrap-theme.css
  - bootstrap-theme.css.map
  - bootstrap-theme.min.css
  - bootstrap-theme.min.css.map
  - bootstrap.css
  - bootstrap.css.map
  - bootstrap.min.css
  - bootstrap.min.css.map
  - font-awesome.css
  - font-awesome.min.css
- fonts
  - fontawesome-webfont.eot
  - fontawesome-webfont.svg
  - fontawesome-webfont.ttf
  - fontawesome-webfont.woff
  - fontawesome-webfont.woff2
  - FontAwesome.otf
  - glyphicons-halflings-regular.eot
  - glyphicons-halflings-regular.svg
  - glyphicons-halflings-regular.ttf
  - glyphicons-halflings-regular.woff
  - glyphicons-halflings-regular.woff2
- Scripts
  - bootstrap.js
  - bootstrap.min.js
  - jquery-1.9.1.intellisense.js
  - jquery-1.9.1.js

Properties Solution E... Team Expl... Notificati...

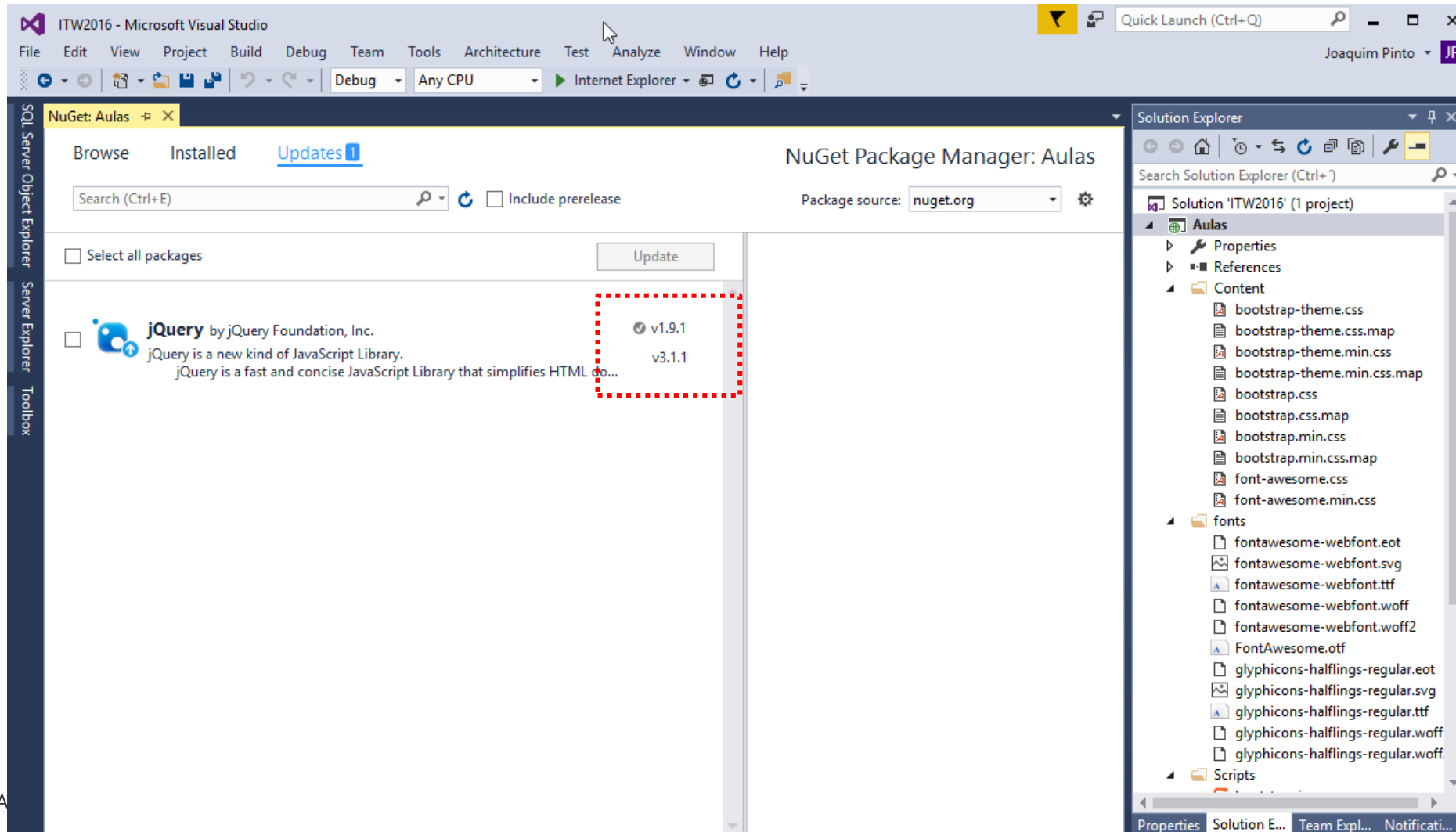
Task Runner Explorer Error List Output Package Manager Console

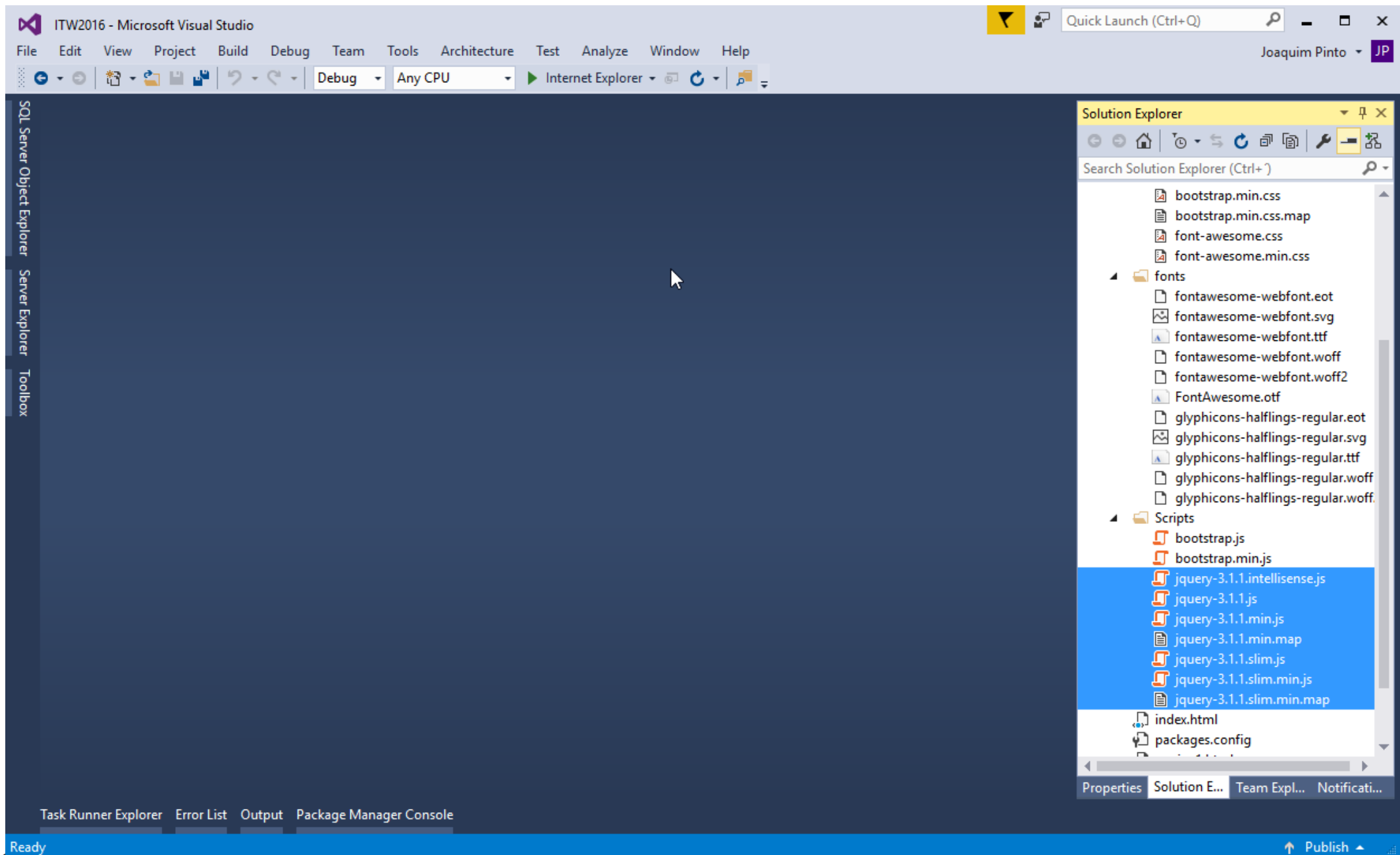
Ready

17/10/2016 17:00:00

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# Atualizando as packages instaladas






fontawesome.io

Build and serve a faster front end! Fort Awesome Symbolset Font Awesome

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# Font Awesome

THE ICONIC FONT AND CSS TOOLKIT

 Download


Version 4.6.3 · [GitHub Project](#) · [Old 3.2.1 Docs](#) · Created by [Dave Gandy](#)

Enter your email address... [Subscribe to Font Awesome Updates](#)


[Star](#) 45,565 [Fork](#) 7,861 [Follow @fontawesome](#) 26.6K followers [Tweet](#)

Font Awesome gives you scalable vector icons that can instantly be customized — size, color, drop shadow, and anything that can be done with the power of CSS.


[New and Awesome Tool: See How Your Visitors are Really Using Your Site](#)  
ads via Carbon

 **One Font, 634 Icons**

In a single collection, Font Awesome is a pictographic language of web-related actions.

 **No JavaScript Required**

Fewer compatibility concerns because Font Awesome doesn't require JavaScript.

 **Infinite Scalability**

Scalable vector graphics means every icon looks awesome at any size.

37





# The Icons

THE COMPLETE SET OF 634 ICONS IN FONT AWESOME 4.6.3

Subscribe to Font Awesome Updates



45,565



7,861



26.6K followers



You asked, Font Awesome delivers with 30 shiny new icons in version 4.6. Want to request new icons? [Here's how](#). Need vectors or want to use on the desktop? Check the [cheatsheet](#).

Analyze your in-app events and AdWords campaigns with Firebase. It's Free!  
ads via Carbon

by Algolia

## 30 New Icons in 4.6



american-sign-language-interpr...



blind



envira



gitlab



google-plus-official



pied-piper



asl-interpreting (alias)



braille



fa (alias)



glide



hard-of-hearing (alias)



question-circle-o



snapshot



assistive-listening-systems



deaf



first-order



glide-g



instagram



sign-language



snapshot-square



audio-description



deafness (alias)



font-awesome



google-plus-circle (alias)



low-vision

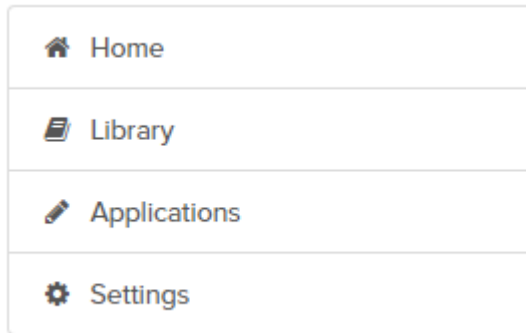


signing (alias)



theme

# Exemplo de utilização da font-awesome



```
<div class="list-group">
  <a class="list-group-item" href="#"><i class="fa fa-home fa-fw"></i>&nbsp; Home</a>
  <a class="list-group-item" href="#"><i class="fa fa-book fa-fw"></i>&nbsp; Library</a>
  <a class="list-group-item" href="#"><i class="fa fa-pencil fa-fw"></i>&nbsp; Applications</a>
  <a class="list-group-item" href="#"><i class="fa fa-cog fa-fw"></i>&nbsp; Settings</a>
</div>
```

## Código base com a utilização do bootstrap, jquery e a font awesome

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="utf-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1">
  <title>Bootstrap empty template</title>
  <!-- Bootstrap -->
  <link href="Content/bootstrap.min.css" rel="stylesheet" />
  <!-- Font-awesome -->
  <link href="Content/font-awesome.css" rel="stylesheet" />
</head>
<body>
  <!-- INICIO -->

  <!-- FIM -->
  <!-- jQuery (necessário para os plugins JavaScript do Bootstrap) -->
  <script src="Scripts/jquery-3.1.1.min.js"></script>
  <!-- Include all compiled plugins (below), or include individual files as needed -->
  <script src="Scripts/bootstrap.min.js"></script>
</body>
</html>
```



## Código base com a utilização do bootstrap, jquery e a font awesome – para quem não quer usar o VisualStudio

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="utf-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1">
  <title>Bootstrap empty template</title>
  <!-- Bootstrap -->
  <link href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/css/bootstrap.min.css" rel="stylesheet" />
  <!-- Font-awesome -->
  <link href="https://maxcdn.bootstrapcdn.com/font-awesome/4.6.3/css/font-awesome.min.css" rel="stylesheet" />
</head>
<body>
  <!-- INICIO -->

  <!-- FIM -->
  <!-- jQuery (necessário para os plugins JavaScript do Bootstrap) -->
  <script src="https://cdnjs.cloudflare.com/ajax/libs/jquery/3.1.1/jquery.min.js"></script>
  <!-- Include all compiled plugins (below), or include individual files as needed -->
  <script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/js/bootstrap.min.js"></script>
</body>
</html>
```