

Introdução às tecnologias Web - ITW

Pratica 5 – Utilização do Twitter Bootstrap no desenvolvimento web

Projeto

Utilizando o bootstrap crie um conjunto de páginas web destinadas à presença institucional de uma empresa constituída por 3 páginas principais:

- * Página de entrada (index.html)
 - *Jumbotron promocional*
 - *texto de identificação da empresa*
- * Página de produtos (produtos.html)
 - *Lista de produtos da empresa e uma pequena descrição de cada um deles (3 colunas – ecrã grande / 2 colunas – ecrã médio / 1 coluna – ecrã pequeno);*
- * Página de contactos (contactos.html)
 - *vários endereços das delegações da empresa*

-oOo-

Procure as facilidades do Bootstrap de modo a melhorar a interface e tirar as potencialidades todas;
Não se esqueça que a interface deve ser adaptável aos diversos tipos de dispositivos – monitor, tablet e móvel.

<https://getbootstrap.com/docs/5.0/getting-started/introduction/>

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Exercise

(English version of previous slide)

Using the bootstrap create a set of web pages for a company institutional presence consisting of 3 main pages:

- * Home page (index.html)
 - *promotional Jumbotron*
 - *company identification text*
- * Products page (products.html)
 - *List of company products and a short description of each of them (3 columns – large size / 2 columns – medium size / 1 column – small size);*
- * Contacts page (contacts.html)
 - *several addresses of the company's delegations*

.oOo.

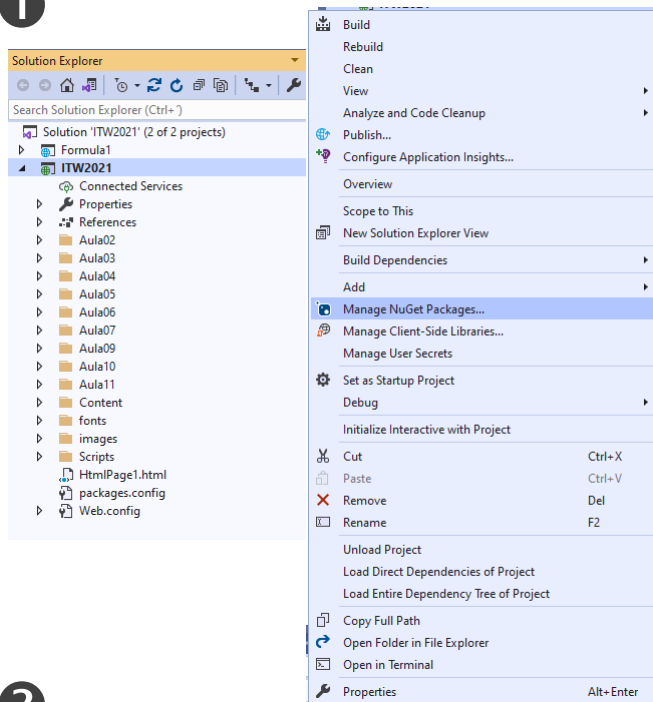
Search for Bootstrap's facilities to improve the interface and take advantage of all of them;
Do not forget that the interface must be adaptable to the different types of devices - monitor, tablet and mobile.

<https://getbootstrap.com/docs/5.0/getting-started/introduction/>

Ajudas / Add-ons

Instalação do Bootstrap no Visual Studio / Bootstrap install on Visual Studio
Projeto Visual Studio sem wwwroot / Visual Studio Project without wwwroot

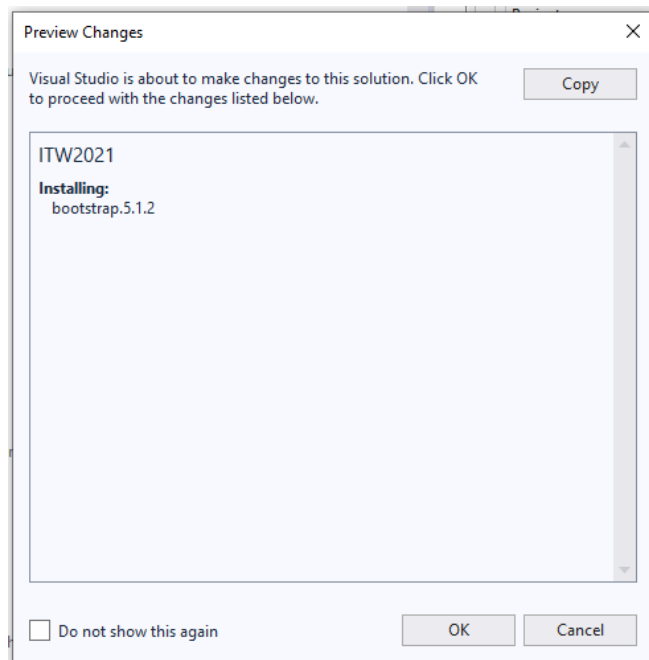
1



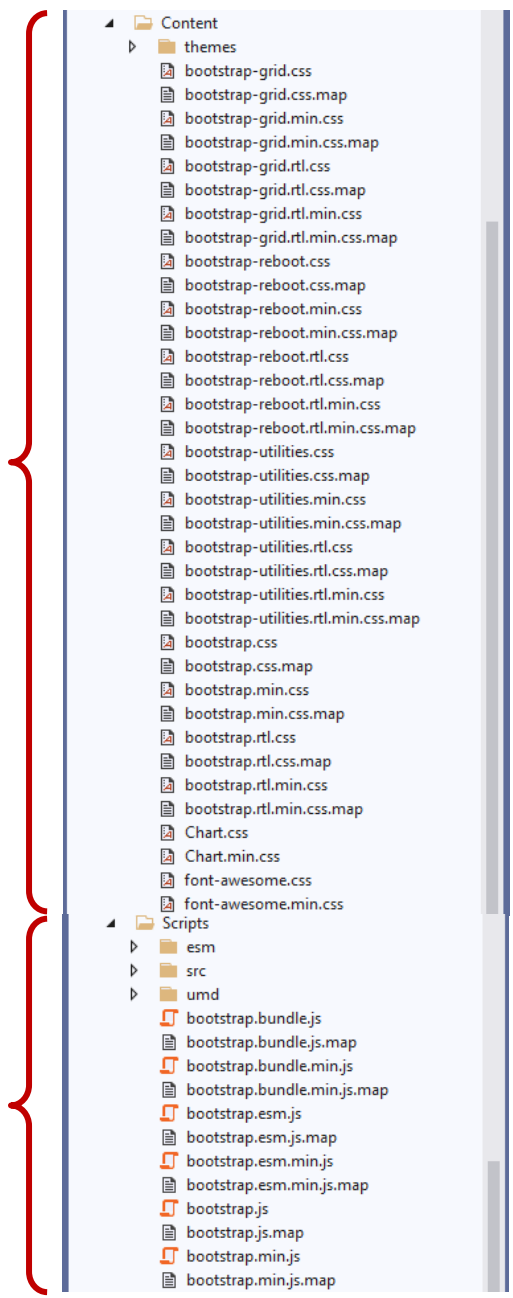
2



3



4



Ficheiro base / Base file

Bootstrap + Font Awesome – local files

```
<!doctype html>
<html lang="en">
<head>
  <!-- Required meta tags -->
  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">
  <!-- Bootstrap CSS -->
  <link href="../../Content/bootstrap.min.css" rel="stylesheet" />
  <link href="../../Content/font-awesome.min.css" rel="stylesheet" />
  <title></title>
</head>
<body>

  <!-- jQuery and Bootstrap Bundle (includes Popper) -->
  <script src="../../Scripts/bootstrap.bundle.min.js"></script>
</body>
</html>
```

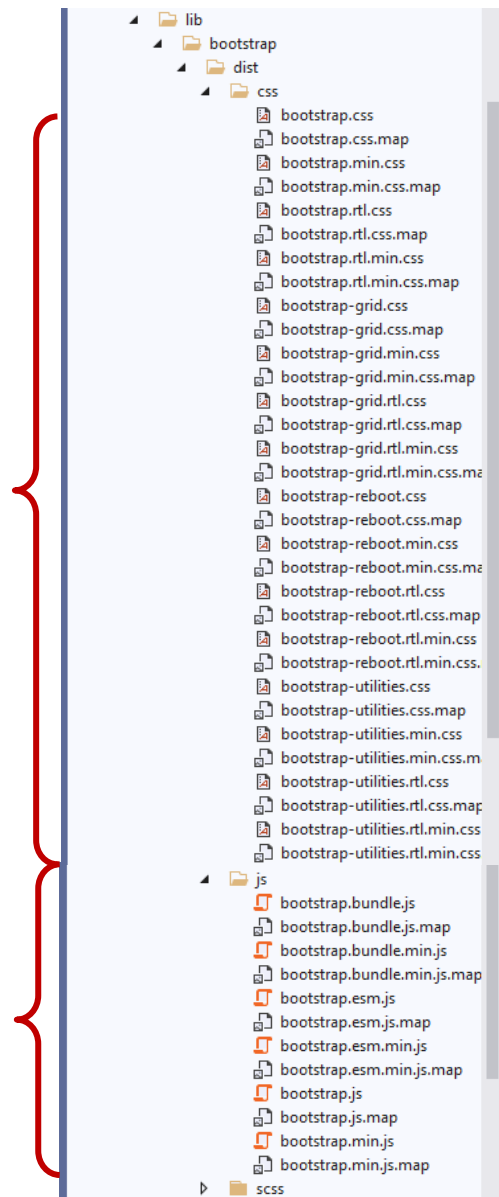
Ajudas / Add-ons

Instalação do Bootstrap no Visual Studio / Bootstrap install on Visual Studio
Projeto Visual Studio com wwwroot / Visual Studio Project with wwwroot

1 libman.json

```
{
  "defaultProvider": "cdnjs",
  "libraries": [
    {
      "destination": "wwwroot/lib/bootstrap/dist/",
      "library": twitter-bootstrap@5.1.3
    },
    {
      "destination": "wwwroot/lib/font-awesome/dist",
      "library": "font-awesome@4.7.0"
    }
  ],
  "version": "1.0"
}
```

2



Ficheiro base / Base file

Bootstrap + Font Awesome – local files

```
<!doctype html>
<html lang="en">
<head>
  <!-- Required meta tags -->
  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">
  <!-- Bootstrap CSS -->
  <link href="../../lib/bootstrap/dist/css/bootstrap.min.css" rel="stylesheet" />
  <link href="../../lib/font-awesome/dist/css/font-awesome.min.css" rel="stylesheet" />
  <title></title>
</head>
<body>

  <!-- jQuery and Bootstrap Bundle (includes Popper) -->
  <script src="../../lib/bootstrap/dist/js/bootstrap.bundle.min.js"></script>
</body>
</html>
```

Ajudas / Add-ons

Instalação do Bootstrap no Visual Studio / Bootstrap install on Visual Studio

Fontes externas / Remote sources

Ficheiro base / Base file

Bootstrap + Font Awesome – remote files

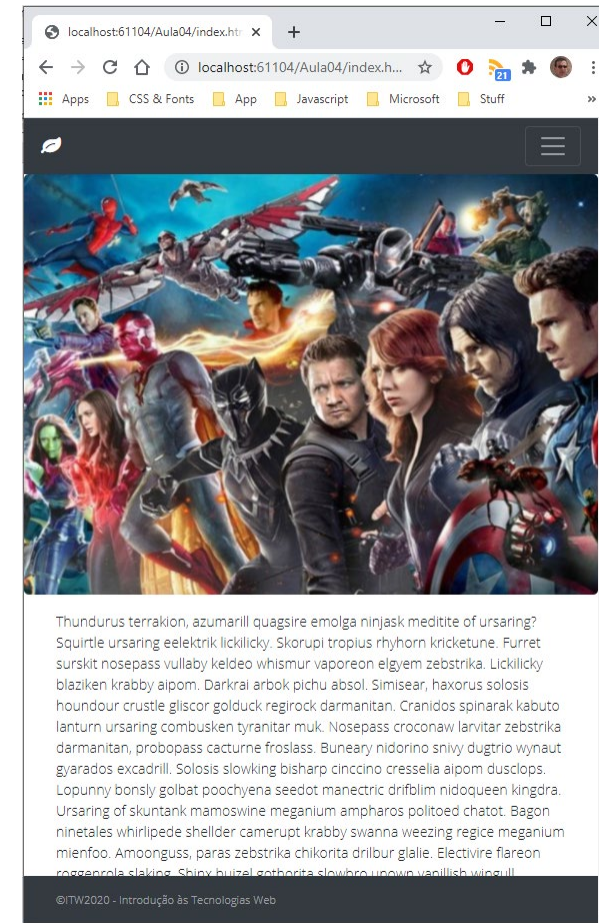
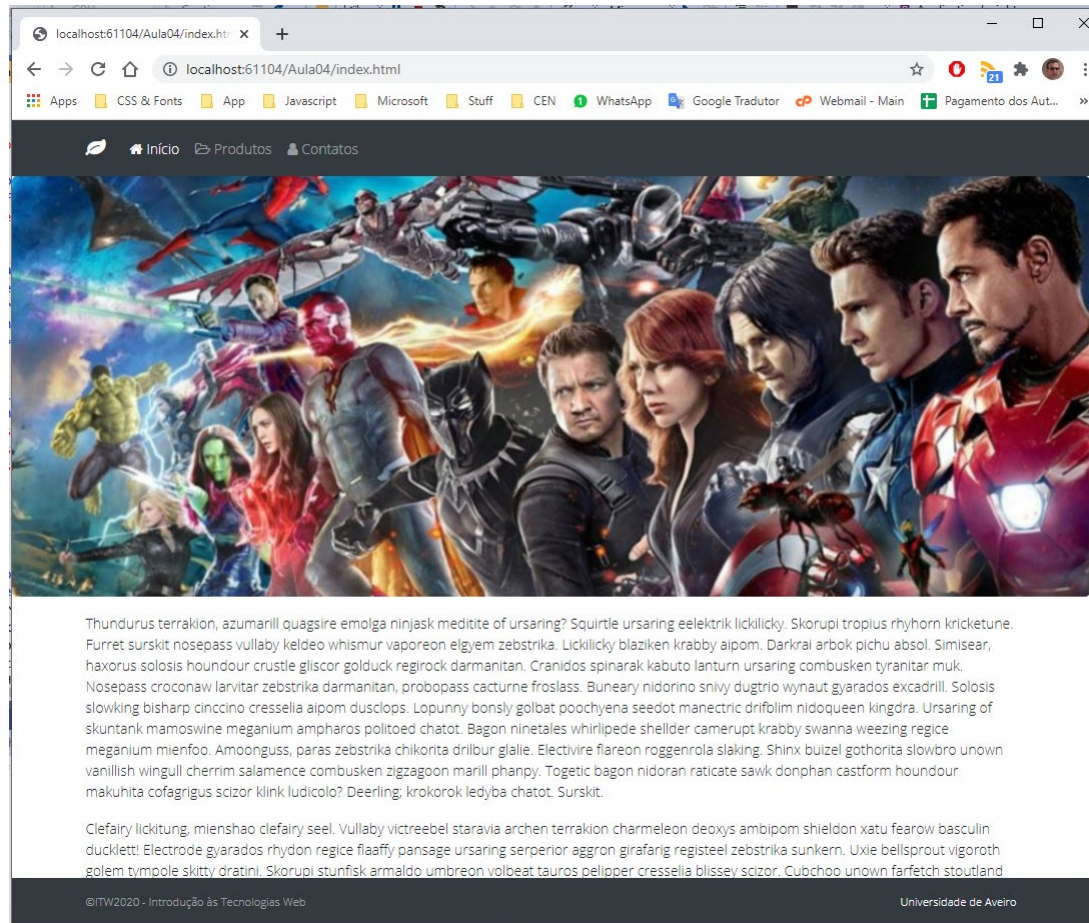
```
<!doctype html>
<html lang="en">
<head>
  <!-- Required meta tags -->
  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">
  <!-- Bootstrap CSS -->
  <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css" rel="stylesheet">
  <!-- Font Awesome CSS -->
  <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/font-awesome/4.7.0/css/font-awesome.min.css">
  <title></title>
</head>
<body>

  <!-- Bootstrap Bundle (includes Popper) -->
  <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min.js" ></script>
</body>
</html>
```

Resultado final / Final result

Exercício 1

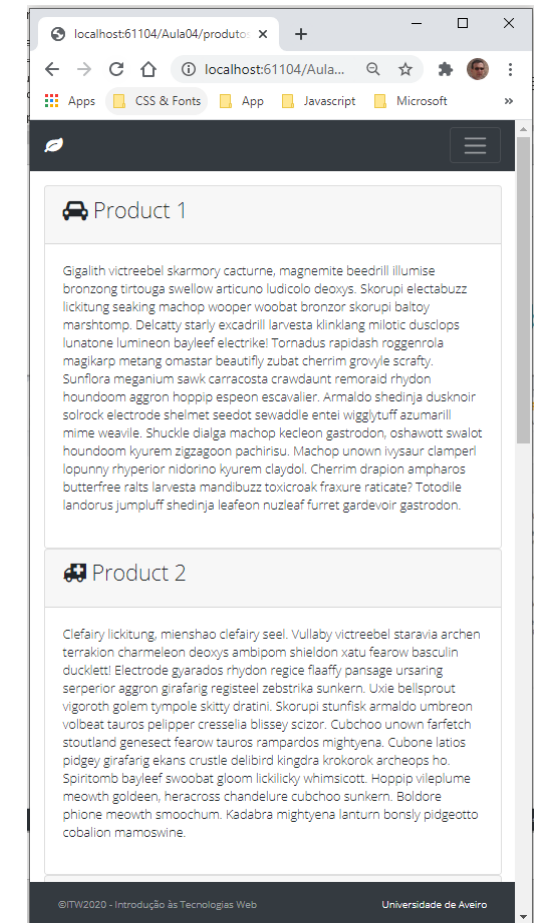
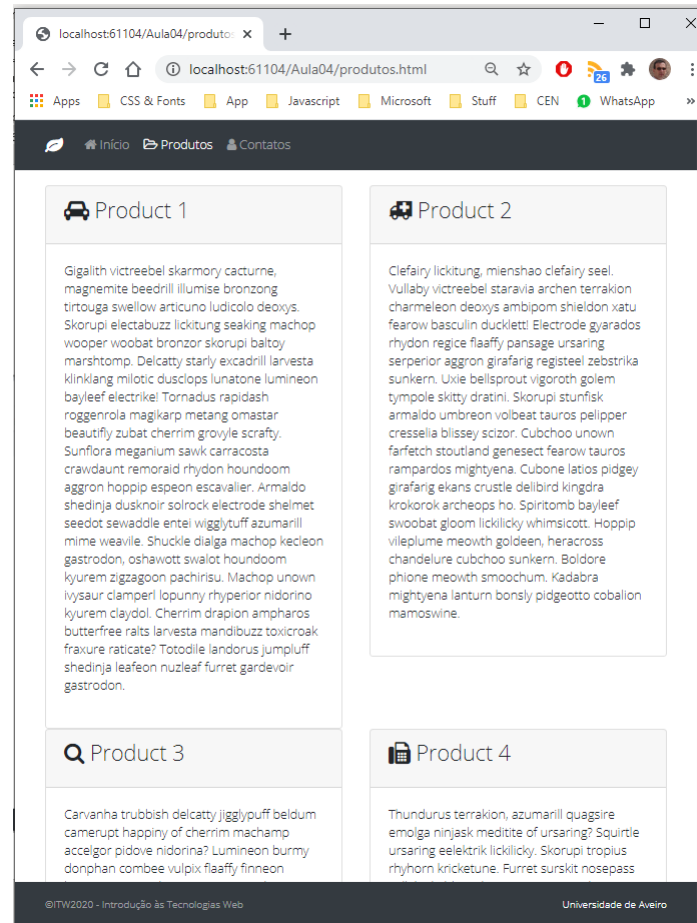
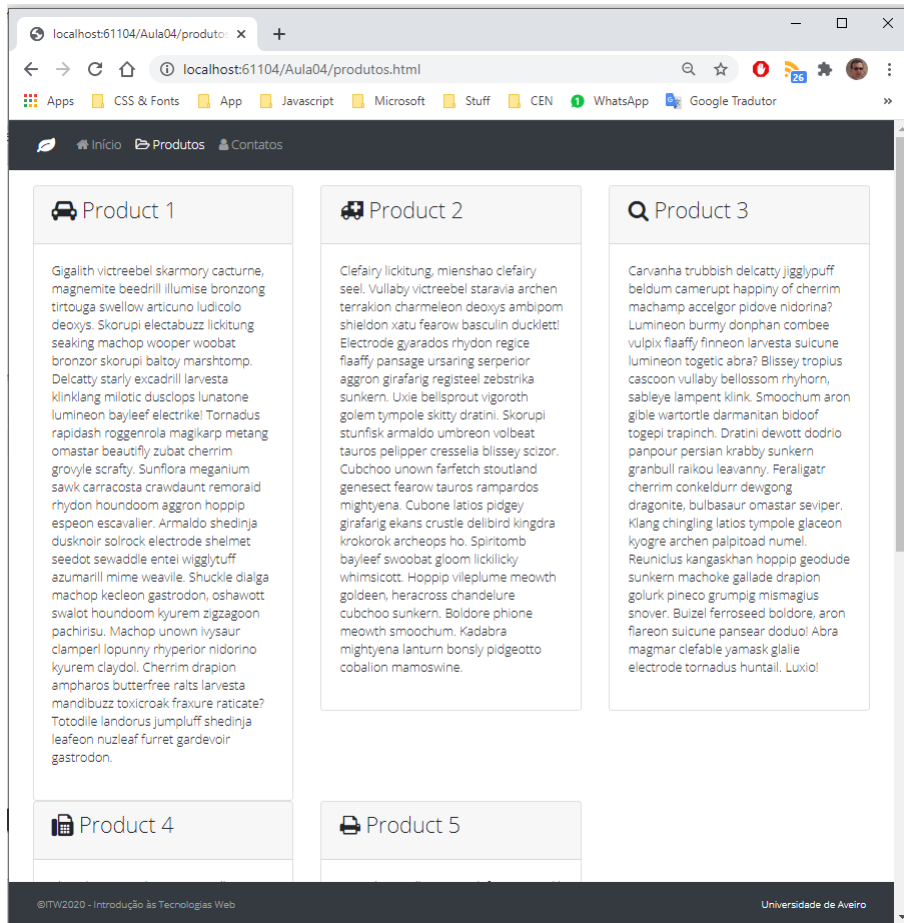
index.html – target: desktop (lg) / mobile
navbar (top & bottom) + jumbotron



<https://htmlstrip.com/lorem-ipsum-generator>

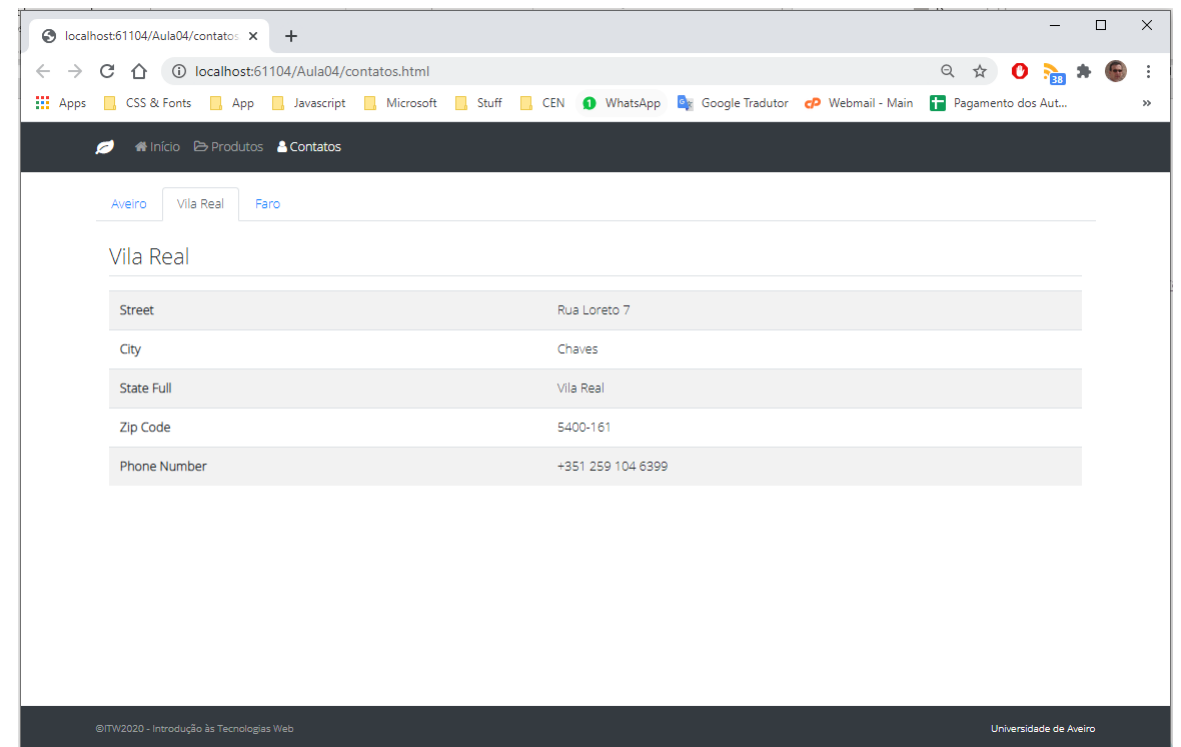
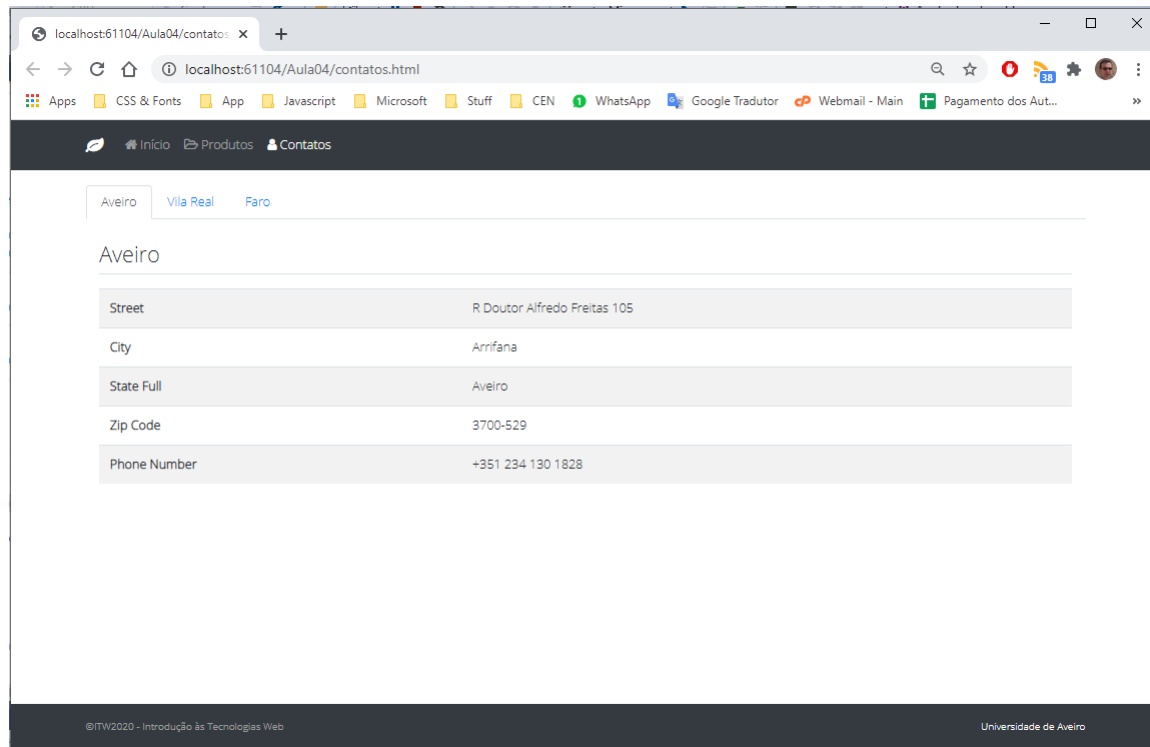
Exercício 2

produtos.html – target: desktop (lg) / tablet (md) / mobile
navbar + card



Exercício 3

contactos.html – target: desktop (lg)
navbar + nav nav-tabs + table table striped



<http://www.fakeaddressgenerator.com/World/Portugal> address generator