Introdução às tecnologias Web - ITW

Aula 11 – Apresentação do trabalho prático final

Pratica 11, 12 – Desenvolvimento do trabalho prático final

04/12/2017
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Sumário

Apresentação do trabalho prático final
- O que desenvolver?
- Onde ir buscar a informação?
- Resultado final esperado

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Trabalho prático final

O que desenvolver?

Pretende-se com este trabalho prático juntar as diversas aprendizagens feitas ao longo do semestre.

Para tal, pretende-se que seja desenvolvida um site web que integre a informação dos diversos tipos (ou) uma aplicação para dispositivos móveis

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Trabalho prático final

Onde ir buscar a informação?

Para o trabalho prático final deverão ser utilizados **apenas** os serviços disponibilizados no endereço http://192.168.160.28/football

Este servidor está disponível apenas na rede da Universidade de Aveiro

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Home Page

192.168.160.28/football/

Apps | Which Programming | Conchas | CSS & Fonts | App | Javascript | Wikipedia | WeTek | Microsoft | PDF

Home API

The ultimate Soccer database

What you get:

- +25,000 matches
- +10,000 players
- 11 European Countries with their lead championship
- Seasons 2008 to 2016
- Players and Teams' attributes* sourced from EA Sports' FIFA video game series, including the weekly updates
- Team line up with squad formation (X, Y coordinates)
- Betting odds from up to 10 providers
- Detailed match events (goal types, possession, corner, cross, fouls, cards etc...) for +10,000 matches

Aditional sources

Database source: European Soccer Database

Images Source: https://sofifa.com

Team Example: Sporting - https://sofifa.com/team/237

https://cdn.sofifa.org/18/teams/237.png

Markers: Season | TeamId

Player Example: Rui Patrício - https://sofifa.com/player/178005

https://cdn.sofifa.org/18/players/178005.png

Marker: PlayerId

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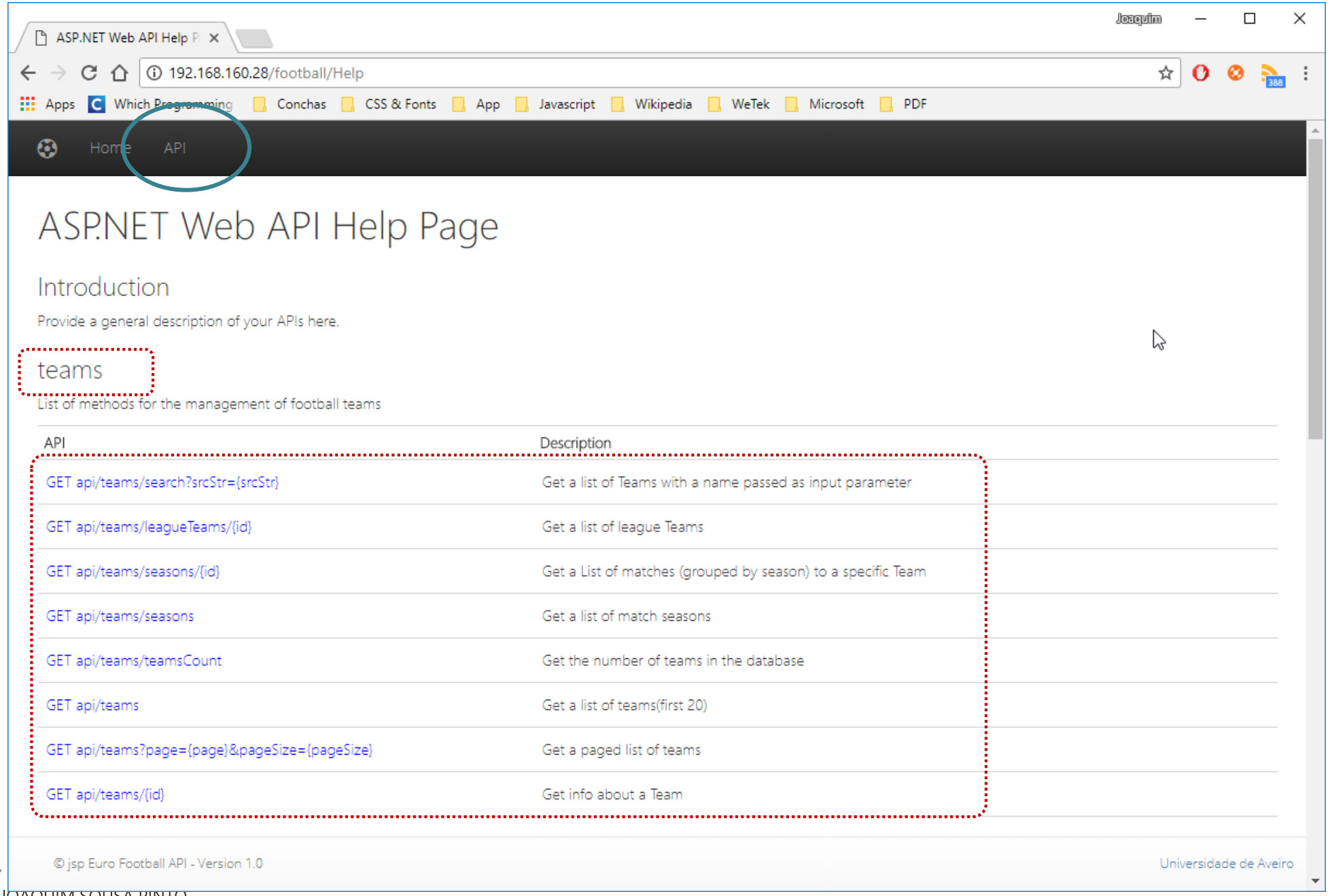

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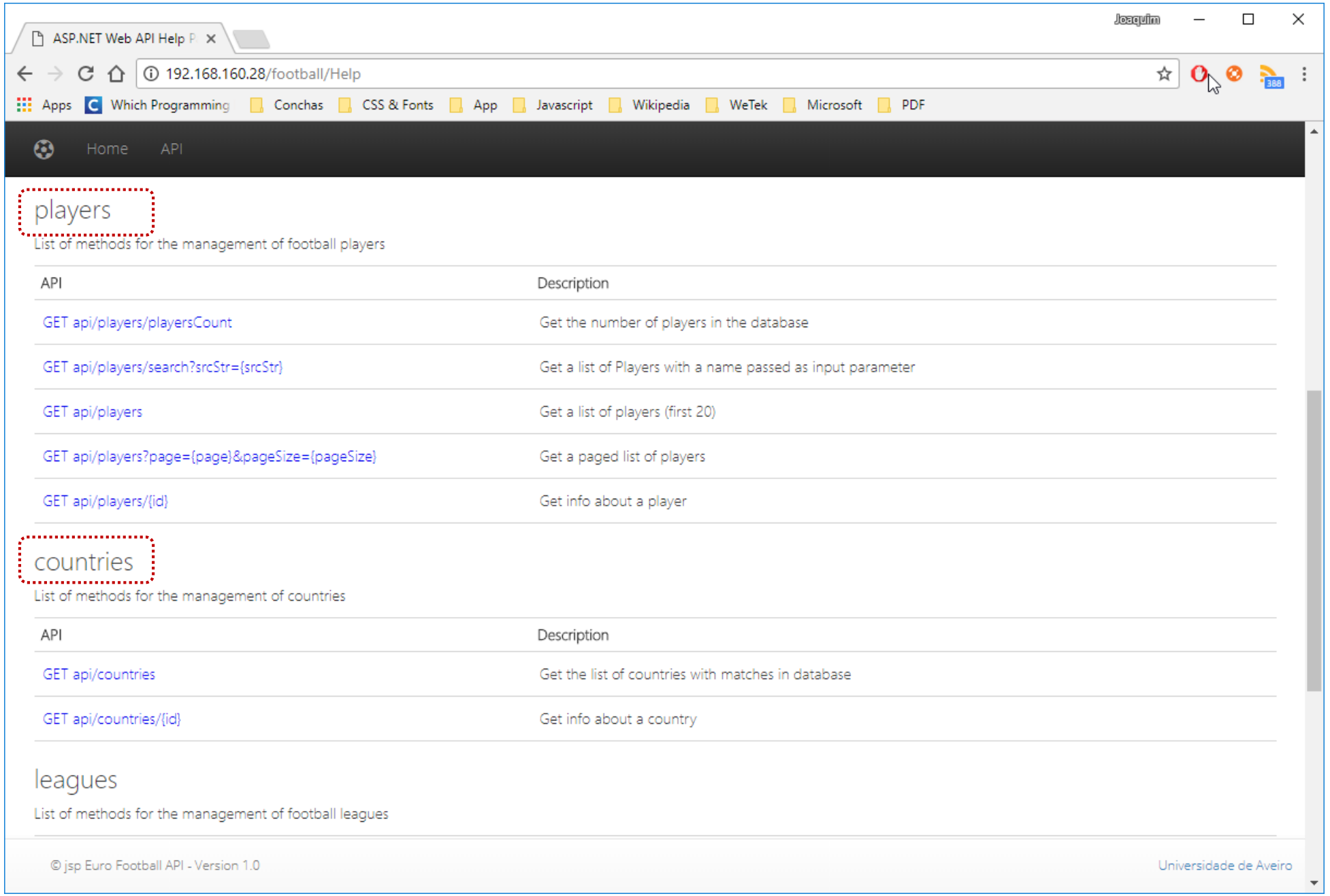

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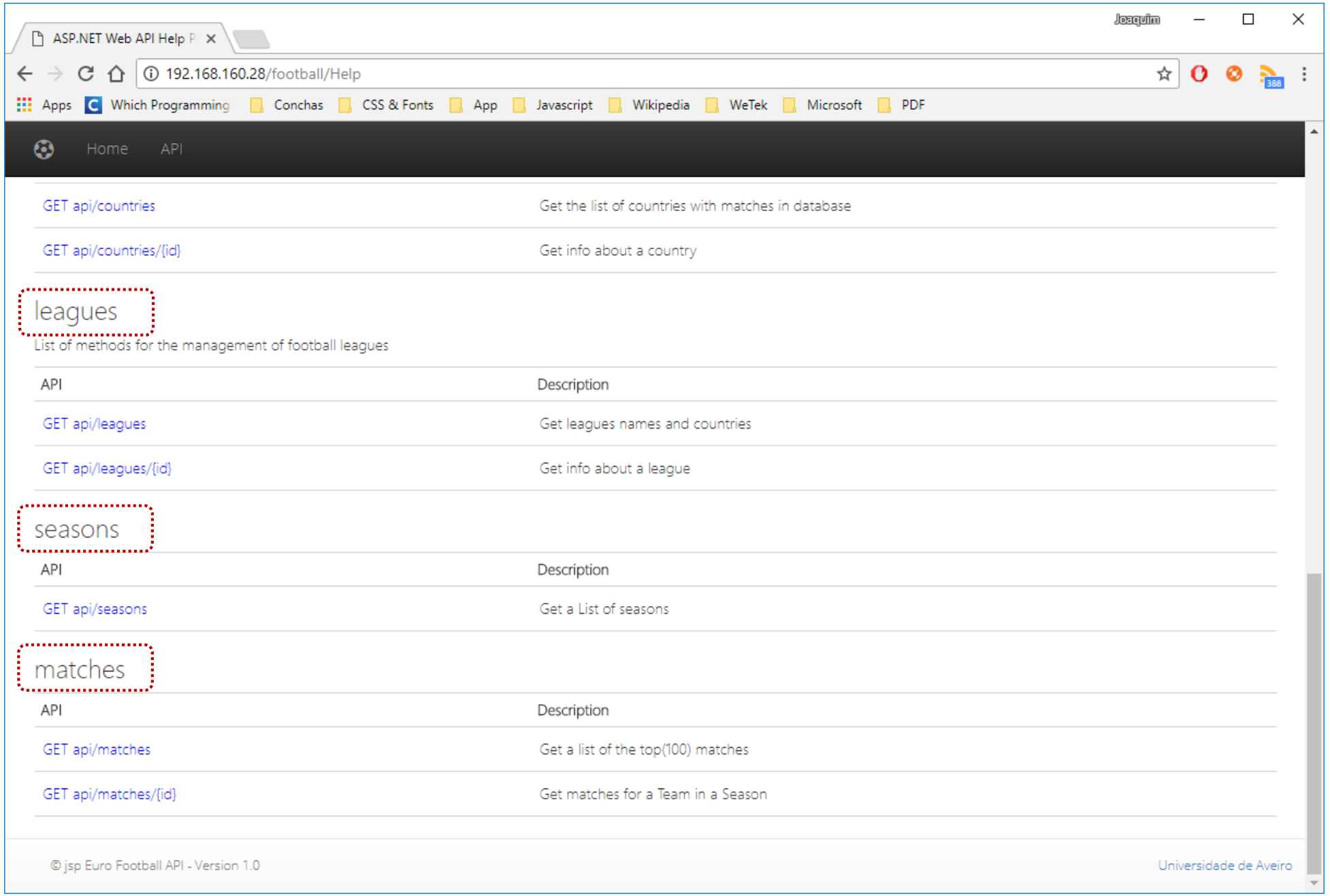

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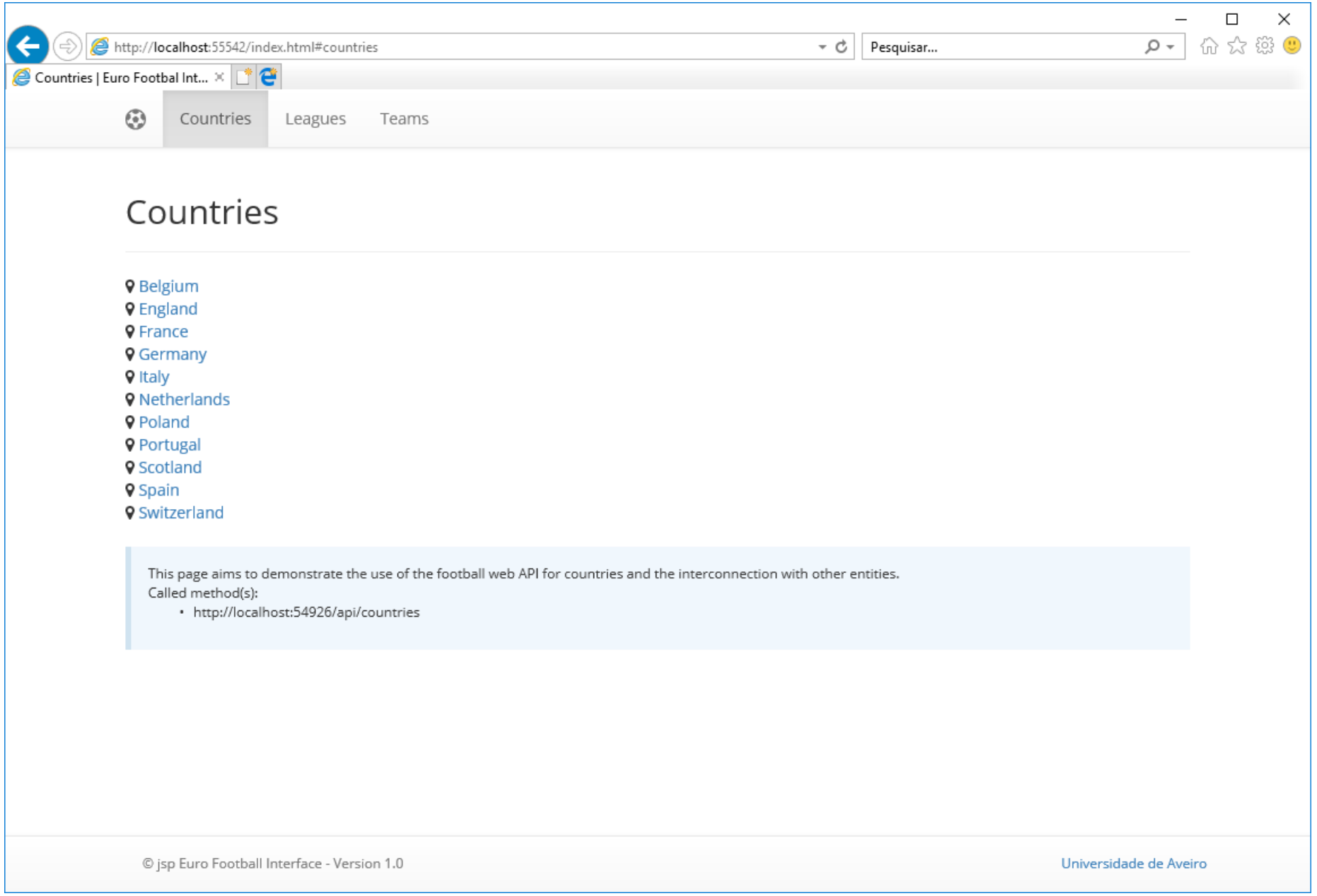

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```
<section>
    <div class="page-header">
        <h2 data-bind="text:className"></h2>
    </div>

    <!-- ko foreach: countries -->
    <div><i class="fa fa-map-marker"></i> <a data-bind="html:name, attr:{ href: '#countries/'+id, title: name}"></a></div>
    <!-- /ko -->

    <div class="clearfix"></div>
    <!-- ko if:error -->
    <div class="bs-callout bs-callout-danger" data-bind="html:error"></div>
    <!-- /ko -->
    <div class="bs-callout bs-callout-info" data-bind="html:description"></div>
</section>
```


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```
define(['knockout'], function (ko) {
    var vm = function () {
        console.log('ViewModel initiated...')
        //---Variáveis locais
        var self = this;
        var baseUri = 'http://192.168.160.28/football/api/countries';
        self.className = 'Countries';
        self.description = 'This page aims to demonstrate the use of the football web API for
countries and the interconnection with other entities.<br>Called method(s): <ul><li>' +
baseUri + '</li></ul>';
        self.error = ko.observable();
        self.countries = ko.observableArray([]);
        //--- Internal functions
        function ajaxHelper(uri, method, data) {
            self.error(''); // Clear error message
            return $.ajax({
                type: method,
                url: uri,
                dataType: 'json',
                contentType: 'application/json',
                data: data ? JSON.stringify(data) : null,
                error: function (jqXHR, textStatus, errorThrown) {
                    console.log("AJAX Call[" + uri + "] Fail...");
                    self.error(errorThrown);
                }
            })
        }
        //--- Externel functions (accessible outside)
        getCountries = function () {
            console.log('CALL: getCountries...')
            ajaxHelper(baseUri, 'GET').done(function (data) {
                self.countries(data);
            });
        };

        //---- initial call
        getCountries();
    };
    return vm;
});
```


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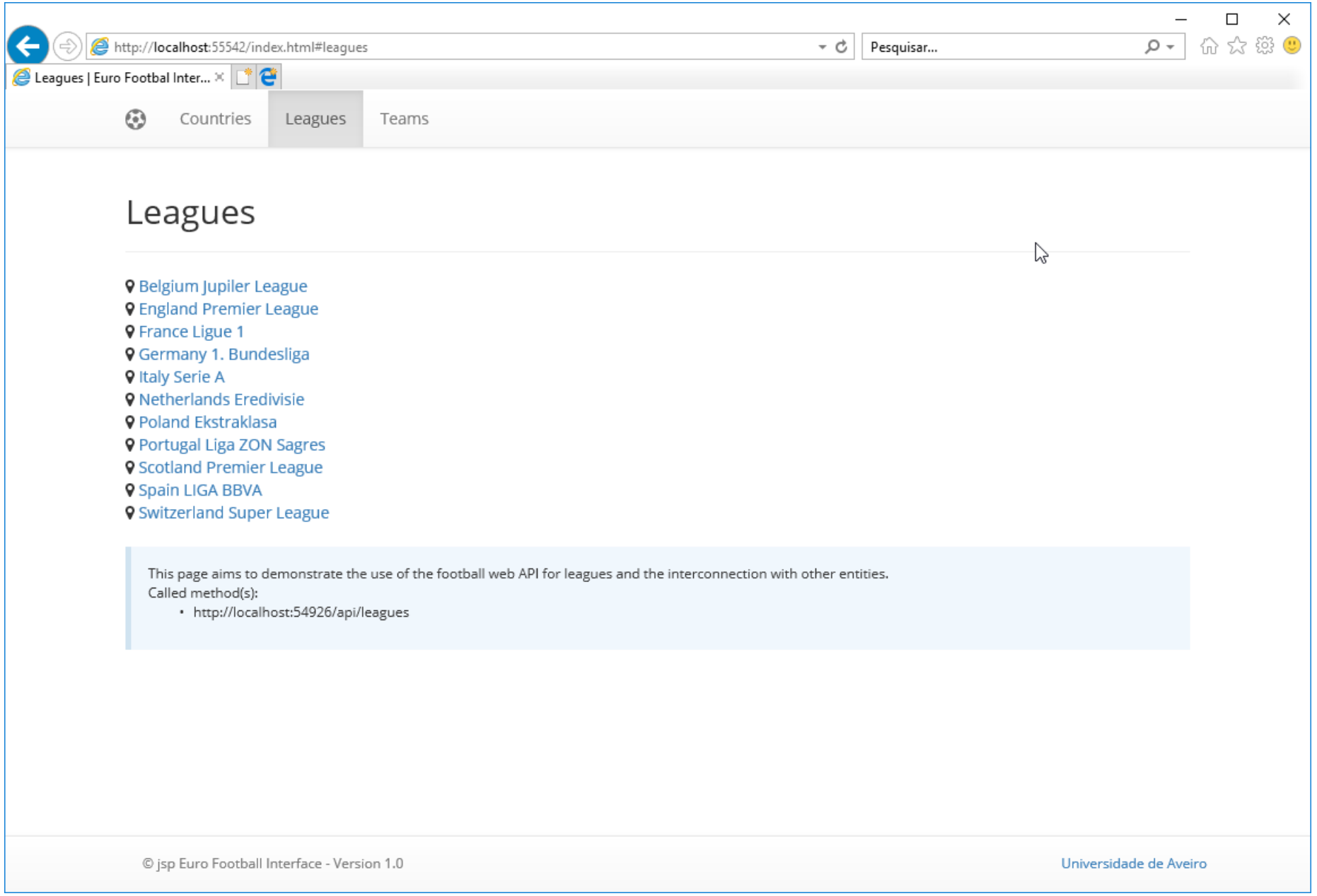

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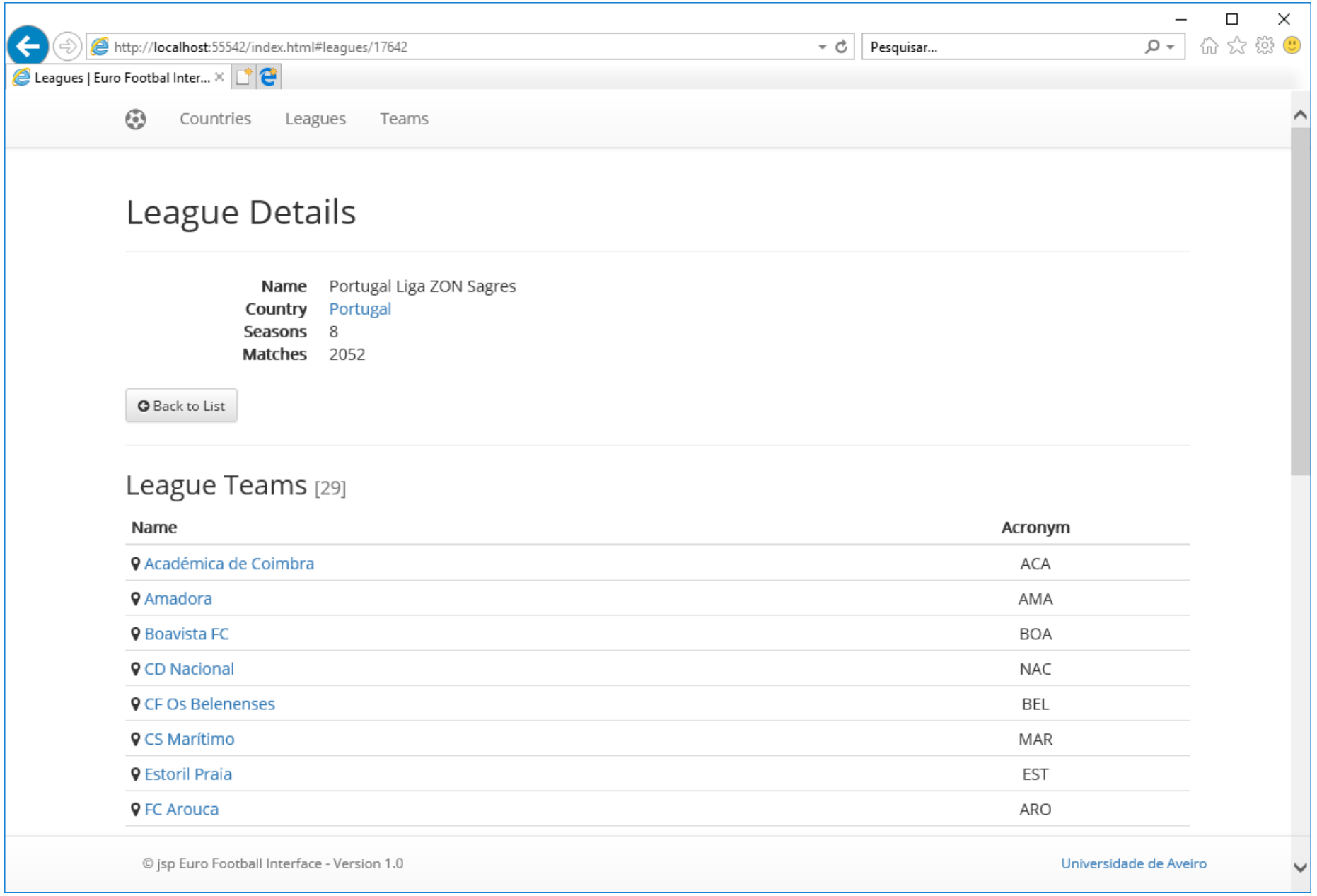

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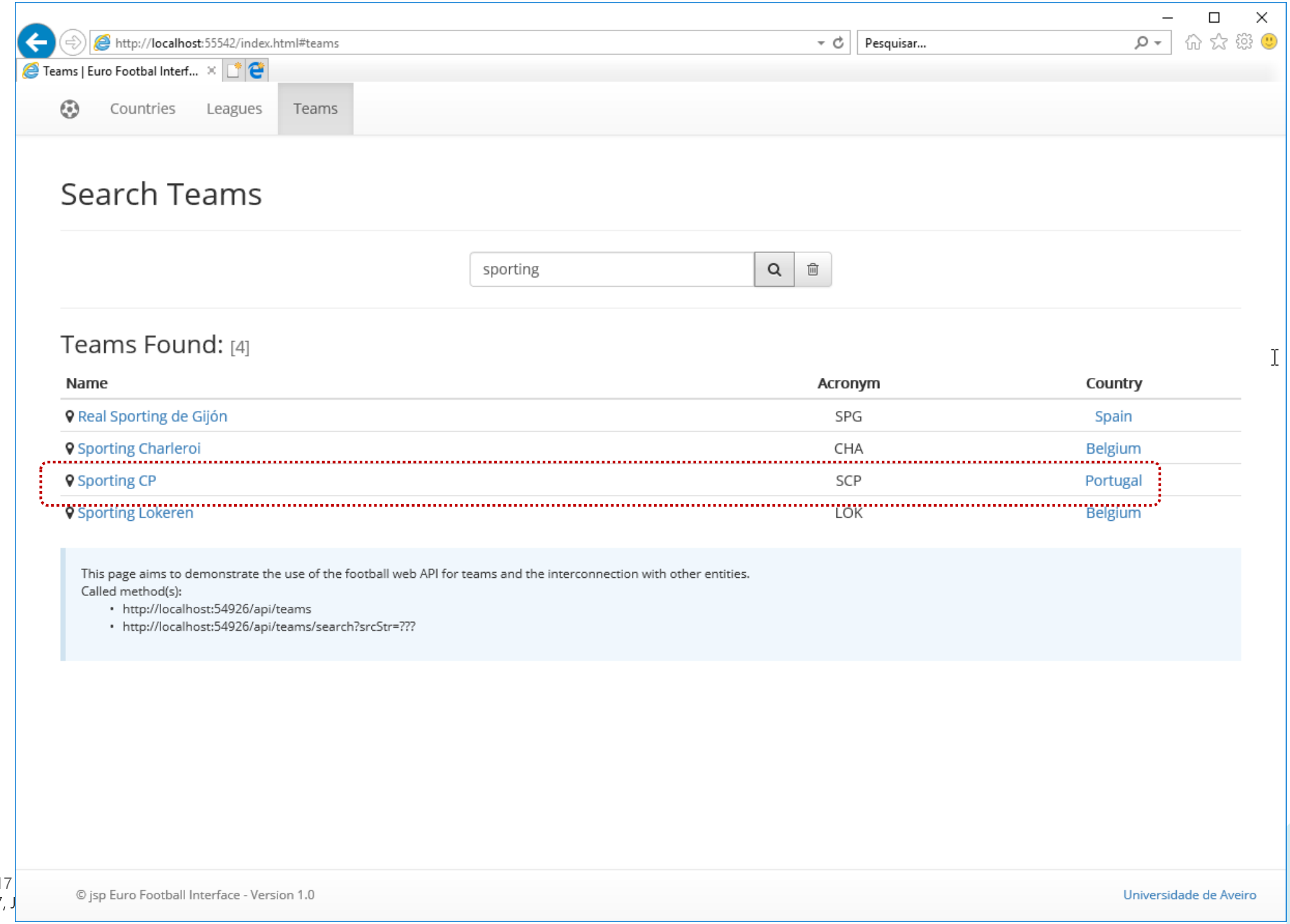
http://localhost:55542/index.html#teams
Pesquisar...
Teams | Euro Footbal Interf...
Countries
Leagues
Teams
Search Teams
sporting
Teams Found: [4]
Name
Acronym
Country
Real Sporting de Gijón
SPG
Spain
Sporting Charleroi
CHA
Belgium
Sporting CP
SCP
Portugal
Sporting Lokeren
LOK
Belgium
This page aims to demonstrate the use of the football web API for teams and the interconnection with other entities.
Called method(s):
http://localhost:54926/api/teams
http://localhost:54926/api/teams/search?srcStr=???
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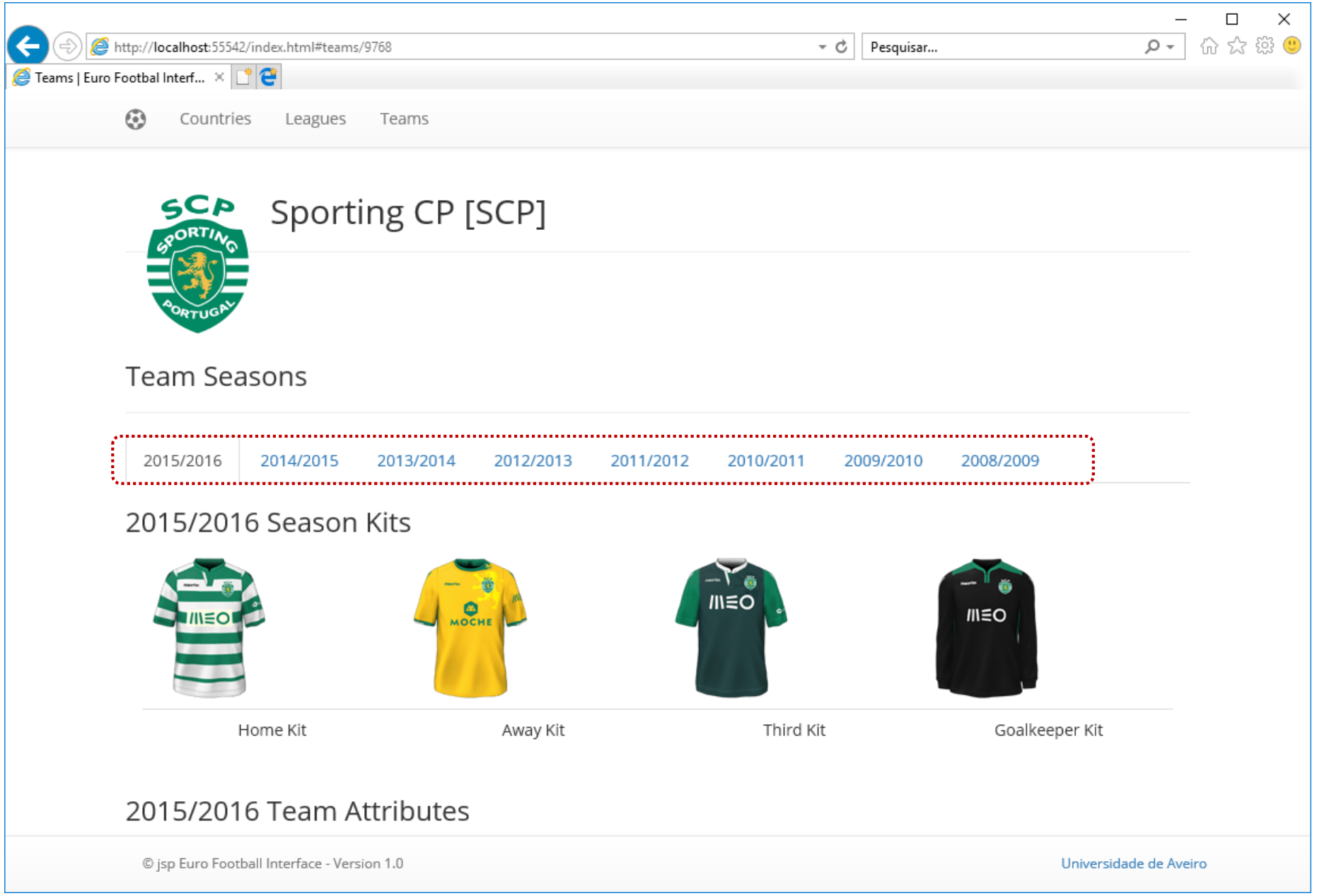

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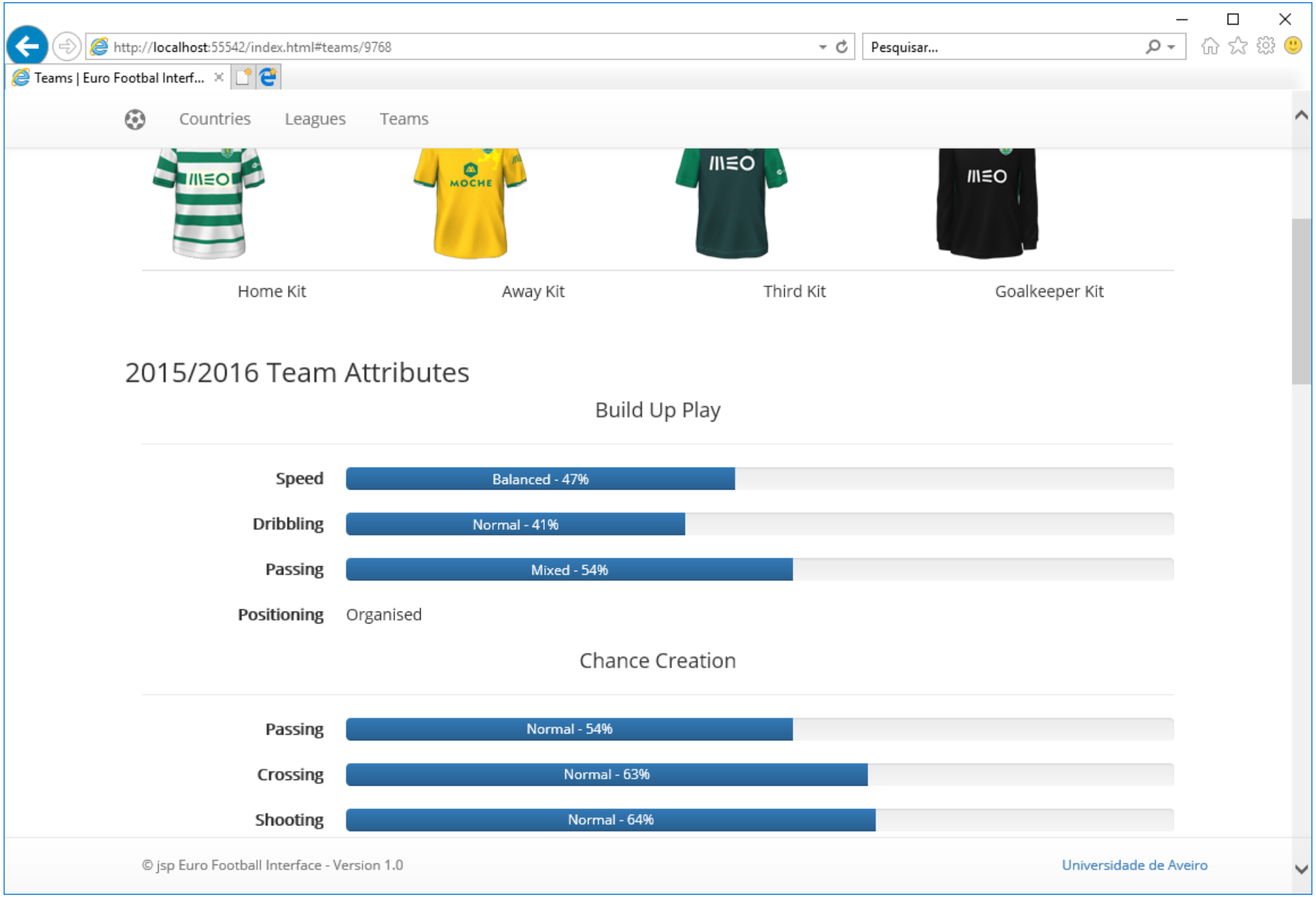

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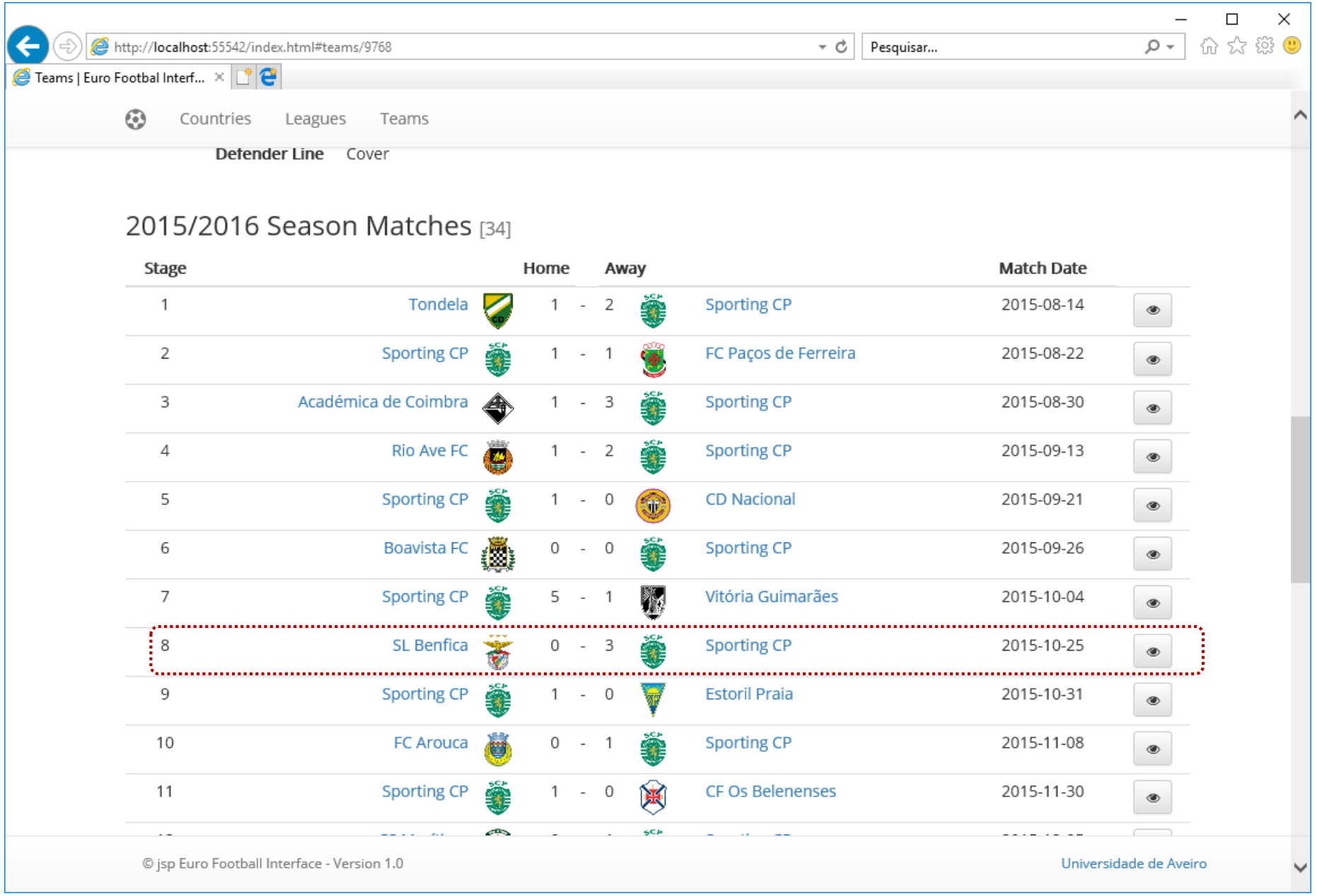

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http://localhost:55542/index.html#matches/2015874
Pesquisar...
Matches | Euro Footbal Inte...
Countries
Leagues
Teams
SL Benfica
0 - 3
Sporting CP
Match date: 2015-10-25
Raul Jimenez
Jonas
Goncalo Gue...
Andre Almeida
Andreas Sam...
Nicolas Gaitan
Eliseu
Jardel
Luisao
Silvio
Julio Cesar
Islam Slimani
Teofilo Gutie...
Bryan Ruiz
Adrien Silva
William Carv...
Joao Mario
Jefferson Na...
Naldo
Paulo Oliveira
Joao Pereira
Rui Patricio
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Cereja no topo do bolo
(mas um bolo também se come sem cerejas…)

- Para quem pretender, poderá gerar uma aplicação para dispositivos móveis, tendo por base a ITW-APP
  - Esta aplicação deverá ser "responsiva" para, pelo menos, dois tipos de dispositivos: telemóveis e tablets

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Será fortemente valorizada a criatividade e a imaginação.

Boa sorte e bom trabalho! Mãos à obra.

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