

Introdução às tecnologias Web - ITW

Aula 11 – Apresentação do trabalho prático final

Pratica 11, 12 – Desenvolvimento do trabalho prático final

Sumário

Apresentação do trabalho prático final

O que desenvolver?

Onde ir buscar a informação?

Resultado final esperado



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

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

Home Page

192.168.160.28/football/

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HomeAPI

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

Additional 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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ASP.NET Web API Help

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HomeAPI

ASP.NET Web API Help Page

Introduction

Provide a general description of your APIs here.

teams

List of methods for the management of football teams

API	Description
GET api/teams/search?srcStr={srcStr}	Get a list of Teams with a name passed as input parameter
GET api/teams/leagueTeams/{id}	Get a list of league Teams
GET api/teams/seasons/{id}	Get a List of matches (grouped by season) to a specific Team
GET api/teams/seasons	Get a list of match seasons
GET api/teams/teamsCount	Get the number of teams in the database
GET api/teams	Get a list of teams(first 20)
GET api/teams?page={page}&pageSize={pageSize}	Get a paged list of teams
GET api/teams/{id}	Get info about a Team

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Home API

players

List of methods for the management of football players

API	Description
GET api/players/playersCount	Get the number of players in the database
GET api/players/search?srcStr={srcStr}	Get a list of Players with a name passed as input parameter
GET api/players	Get a list of players (first 20)
GET api/players?page={page}&pageSize={pageSize}	Get a paged list of players
GET api/players/{id}	Get info about a player

countries

List of methods for the management of countries

API	Description
GET api/countries	Get the list of countries with matches in database
GET api/countries/{id}	Get info about a country

leagues

List of methods for the management of football leagues

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Home API

[GET api/countries](#) Get the list of countries with matches in database

[GET api/countries/{id}](#) Get info about a country

leagues
List of methods for the management of football leagues

API	Description
GET api/leagues	Get leagues names and countries
GET api/leagues/{id}	Get info about a league

seasons

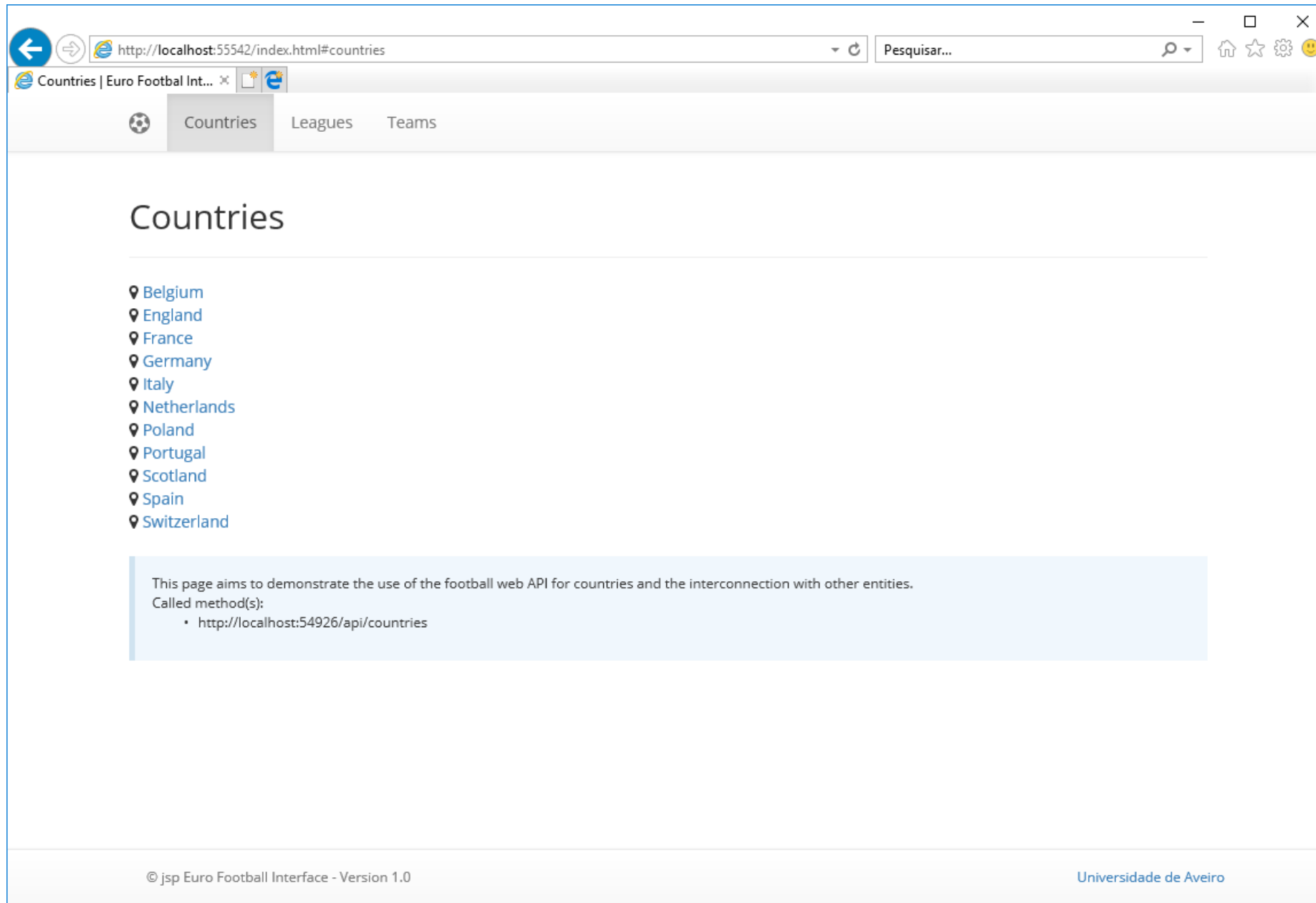
API	Description
GET api/seasons	Get a List of seasons

matches

API	Description
GET api/matches	Get a list of the top(100) matches
GET api/matches/{id}	Get matches for a Team in a Season

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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>
```

```

define(['knockout'], function (ko) {
    var vm = function () {
        console.log('ViewModel initiated...')
        //---Variáveis locais
        var self = this;
        var baseUrl = '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>' +
baseUrl + '</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);
                }
            })
        }
        //--- External functions (accessible outside)
        getCountries = function () {
            console.log('CALL: getCountries...')
            ajaxHelper(baseUrl, 'GET').done(function (data) {
                self.countries(data);
            });
        };

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

```

Browser window showing the "Leagues" page of the Euro Football Interface. The address bar displays `http://localhost:55542/index.html#leagues`. The page features a navigation bar with "Countries", "Leagues", and "Teams" tabs. The "Leagues" tab is active, displaying a list of football leagues:

- Belgium Jupiler League
- England Premier League
- France Ligue 1
- Germany 1. Bundesliga
- Italy Serie A
- Netherlands Eredivisie
- Poland Ekstraklasa
- Portugal Liga ZON Sagres
- Scotland Premier League
- Spain LIGA BBVA
- Switzerland Super League

Below the list, a light blue box contains the following text:

This page aims to demonstrate the use of the football web API for leagues and the interconnection with other entities.
Called method(s):

- `http://localhost:54926/api/leagues`

The footer of the page displays the copyright notice: © jsp Euro Football Interface - Version 1.0, and the logo of Universidade de Aveiro.

←

→

http://localhost:55542/index.html#teams

↻

Pesquisar...

🏠

☆

⚙️

😊

Teams | Euro Football Interf...

🏠

🔍

⚽

Countries

Leagues

Teams

Search Teams

🔍🗑️

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=???>

04/12/2017
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←

→

http://localhost:55542/index.html#teams/9768

↻

Pesquisar...

🏠

★

⚙️

😊


Teams | Euro Football Interf...

⚽

Countries

Leagues

Teams



Sporting CP [SCP]

Team Seasons

2015/2016

2014/2015

2013/2014

2012/2013


2011/2012


2010/2011


2009/2010


2008/2009

2015/2016 Season Kits









Home Kit

Away Kit

Third Kit

Goalkeeper Kit

2015/2016 Team Attributes

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http://localhost:55542/index.html#teams/9768

Pesquisar...

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Countries Leagues Teams

Home Kit Away Kit Third Kit Goalkeeper Kit

2015/2016 Team Attributes

Build Up Play

Speed	Balanced - 47%
Dribbling	Normal - 41%
Passing	Mixed - 54%
Positioning	Organised

Chance Creation

Passing	Normal - 54%
Crossing	Normal - 63%
Shooting	Normal - 64%

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http://localhost:55542/index.html#teams/9768

Pesquisar...

Teams | Euro Football Interf...

Countries Leagues Teams

Defender Line Cover

2015/2016 Season Matches [34]

Stage		Home	Away	Match Date	
1	Tondela	1 - 2	Sporting CP	2015-08-14	
2	Sporting CP	1 - 1	FC Paços de Ferreira	2015-08-22	
3	Académica de Coimbra	1 - 3	Sporting CP	2015-08-30	
4	Rio Ave FC	1 - 2	Sporting CP	2015-09-13	
5	Sporting CP	1 - 0	CD Nacional	2015-09-21	
6	Boavista FC	0 - 0	Sporting CP	2015-09-26	
7	Sporting CP	5 - 1	Vitória Guimarães	2015-10-04	
8	SL Benfica	0 - 3	Sporting CP	2015-10-25	
9	Sporting CP	1 - 0	Estoril Praia	2015-10-31	
10	FC Arouca	0 - 1	Sporting CP	2015-11-08	
11	Sporting CP	1 - 0	CF Os Belenenses	2015-11-30	

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SL Benfica

0 - 3

Sporting CP



Match date: 2015-10-25



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

Será fortemente valorizada a criatividade e a imaginação.

Boa sorte e bom trabalho! Mãos à obra.