EAD2 CA2

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What?

The aim of this project is to design a football application for an android device. The purpose for this app is to display a list of football teams and the matches played. It will show the home team score and the away score. We have implemented a filter tab in this app so you search for the whole list of teams or you can specify one team.

The tools we used were visual studios, asp.net, android studio and we ran our application on a physical device

**Hosting details**

We had a database web app and a database server hosted in North Europe on Azure. The database used the basic pricing tier and the API used the standard s0: 10 DTUs pricing tier using the Azure student details.

API hosted at: [https://ead2ca2api.azurewebsites.net](https://ead2ca2api.azurewebsites.net/)

* **/api/team/all** for all teams
* **/api/team/{code}** for all matches of specific team (Codes for each team are shown in the json of the above request)
* **/api/match/all** gives the latest 5 matches

Connection string for database:

Details: Server=tcp:footballca2.database.windows.net,1433;Initial Catalog=FootballCa2;Persist Security Info=False;User ID=kalum;Password=Tallaght1;MultipleActiveResultSets=False;Encrypt=True;TrustServerCertificate=False;Connection Timeout=30;

There are two tables in the database; a Match table and a team table.

A match table contains two teams, one for home and the away team. It displays the scores of each team.

The Team table displays the name of the teams and their code (e.g. Cork City, “CRK”).

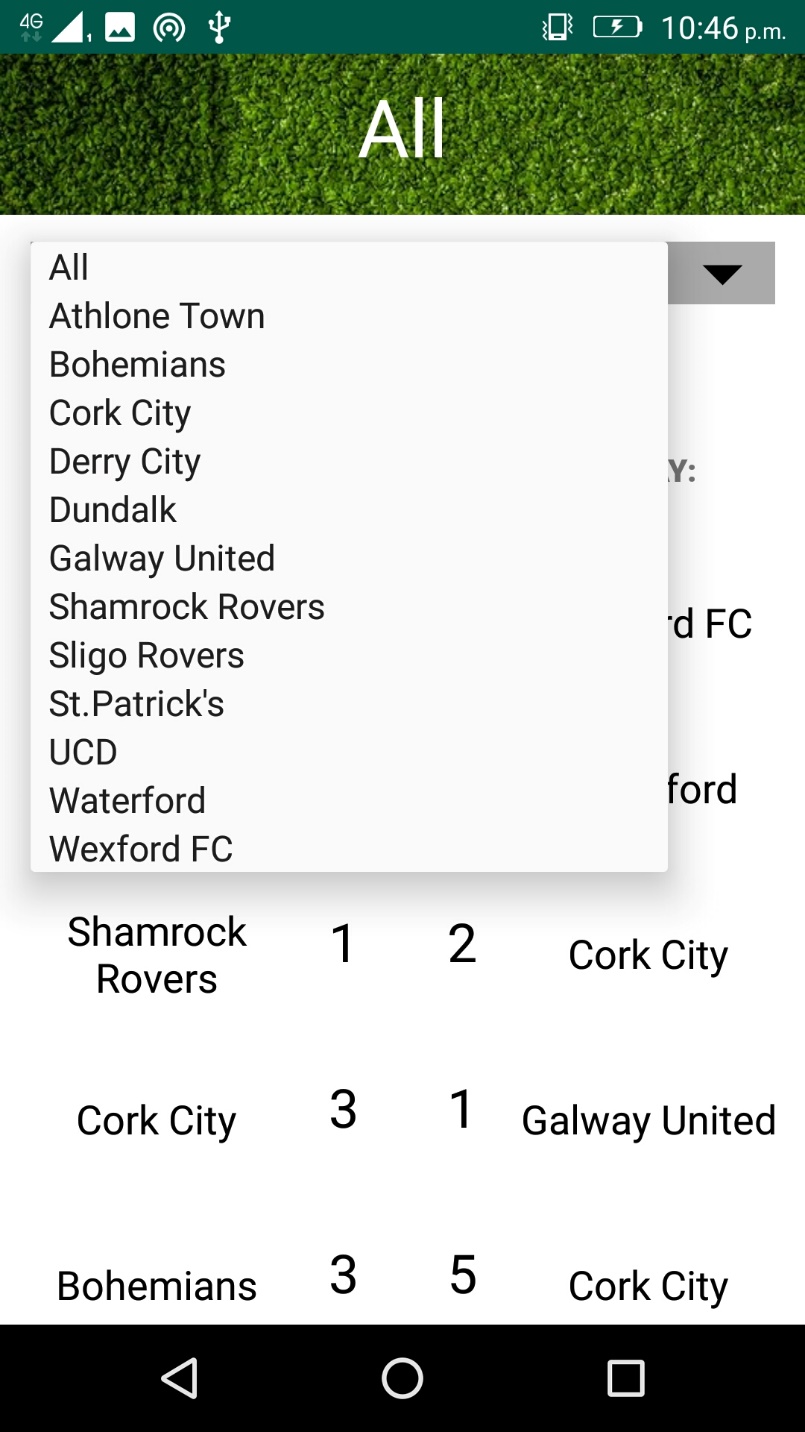
These tables are linked with two one-to-one relationships. The database is populated with code first approach which is held in the EFCoreCA2 file in github.

**Design**

It’s designed so it won’t distorted by different size devices and it was tested on multiple physical devices and virtual devices also.

**First Screen**





Filter tab

Reference:

<https://github.com/kalumot/EAD2-Project>