

Sport Data Project

Section 1 –Description and Overview Project

Our project uses the Soccer Data API from: (<https://www.football-data.org/>)

This API gives us details on soccer leagues such as:

- 1.Details of each year in the leagues.
- 2.Details of each league.
- 3.Details of each top teams in the different leagues.
- 4.Details about games, scorers, team lineup.
- 5.Gives statistics about each player.
- 6.Top scorers of each league.

We use this API for these features:

Feature 1 - gives us the top team of each league and sort this for us by amount of games they played.

Prints the details of the top teams for each league.

Feature 2 - gives us the top scorers of each league and sort it by amount of goals

Prints details of the players that score the most goals (and sort them).

Section 2 –Test Passing for each unit

For the 1st feature - the tests are:

- 1.date of the start season is earlier than the date of end league.
- 2.the winning team is not null.
- 3.The count of games that teams played are sorted from the least to the most.
- 4.The country names are different for each league.
- 5.The number of season weeks are bigger then the number of games for each lineup.

For 2nd feature – the tests are:

- 1.The scorers are from the smallest to the largest.
- 2.Scorer name is not null.
- 3.There are no two top scorers on the same league.
- 4.The age of scorer is bigger than 16.
- 5.The goals must be bigger from 0.