**A Simple REST Client Exercise**

**Introduction**

Using the <http://api.football-data.org/> API. I have decided to create an API which would fetch and process football data and then return an object of its own with the latest table fixings in the major European leagues as well as data for an individual team such as their league ranking, league name and etc.

**Task**

There will be two methods to the Football API controller. One will bring a league which the user has requested as well as the teams which play in it currently. They will be listed in the other there are in there league based on their latest points rank. The second method will retrieve specific information for a team that the user have requested i.e. which league they play in as well as their points, rank, their played matches and information about their last five games.

**Disclaimer:** I had to abandon the idea of retrieving a single team due to constraints of the third party API. At current they do not provide any information of the ID’s of the team, which are crucial to retrieving any information for single football clubs.

**How it works**

Call the URL to the API by appending the code of the league you are interested in as a last segment of the URL. http://localhost:61354/league/{leagueCode}

**Example:** <http://localhost:61354/league/bl1>

**Leagues**

|  |  |  |
| --- | --- | --- |
| **League-Code** | **Country** | **League** |
| BL1 | Germany | 1. Bundesliga |
| BL2 | Germany | 2. Bundesliga |
| BL3 | Germany | 3. Bundesliga |
| PL | England | Premiere League |
| EL1 | England | League One |
| SA | Italy | Serie A |
| SB | Italy | Serie B |
| PD | Spain | Primera Division |
| SD | Spain | Segunda Division |
| FL1 | France | Ligue 1 |
| FL2 | France | Ligue 2 |
| DED | Netherlands | Eredivisie |
| PPL | Portugal | Primeira Liga |
| GSL | Greece | Super League |
| CL | Europe | Champions-League |
| EL | Europe | UEFA-Cup |

**Additional Information**

The API was developed using the test driven development (TDD) principles. It comes with a set of unit tests as well as with full logging capabilities. In case of an unsuccessful API call, please check the log file called CurrentLog under the Logs folder in the API solution.