



## INSIDER CASE

In this project, we expect you to complete a simulation. In this simulation, there will be a group of football teams and the simulation will show match results and the league table. Your task is to estimate the final league table.

### League Rules

- There will be four teams in the league (if you wish, you can choose teams that have different strengths and you can determine the results of the matches depending on the strengths of these selected teams).
- Other rules in the league (scoring, points, goal difference, etc.) will be the same as the rules of the Premier League.

<http://www.premierleague.com/en-gb/matchday/league-table.html>

League Table							Match Results	
Teams	PTS	P	W	D	L	GD	4 <sup>th</sup> Week Match Result	
Chelsea	10	4	3	1	0	11	Chelsea	3 - 2 Liverpool
Arsenal	8	4	2	2	0	6	Arsenal	3 - 3 Manchester City
Manchester City	8	4	2	2	0	4		
Liverpool	4	4	1	1	2	0		

Play All Next Week

4 <sup>th</sup> Week Predictions of Championship	
Chelsea	%45
Arsenal	%25
Manchester City	%25
Liverpool	%5

Figure 1.a 4th Week (Before the button is clicked)

League Table							Match Results	
Teams	PTS	P	W	D	L	GD	5 <sup>th</sup> Week Match Result	
Chelsea	13	5	4	1	0	14	Manchester City	2 - 3 Chelsea
Arsenal	9	5	2	3	0	6	Arsenal	2 - 2 Liverpool
Manchester City	8	5	2	2	1	4		
Liverpool	5	5	1	2	2	-2		

Play All Next Week

5 <sup>th</sup> Week Predictions of Championship	
Chelsea	%60
Arsenal	%20
Manchester City	%15
Liverpool	%5

Figure 2.a 5th Week (After the button is clicked)

As can be seen in Figure 1.a and Figure 2.a, each screen of the subsequent week will represent the league table and update the match status. Moving forward, both the point scores and the results of the matches will be represented by this screen. In addition, after the 4th week, your estimation will also be represented on this screen.

**Limitations / Requirements:**

- The Project needs to be completed using GoLang (Projects that are completed in JAVA, .net, Ruby etc. will not be taken into consideration.).
- Please use OOP.
- Frontend is not required for this task. Make sure that your code is easy to understand using your endpoints (e.g. via Postman). Also you can change the structure and logic however you like. Documentation is a plus.
- Please handover the setup and deployment of your projects. If you deploy your Project and share your project's access link, it is a plus.
- We expect from you to send your code at the end of the project, with SQL scheme and queries.

**Extras** (Including the following extras to your project will be regarded as a strong plus)

- After you click on the all-League Play button, play the matches automatically until the end of the
- League and list the results of the matches by weeks.
- Edit the results of the matches and calculate the edited results of the matches based on the content of the modified standings.