



## Candidate Assessment Project

In this project, you are expected to develop a web application which shows "real-time" scores and statistics of NBA. In this project the first week of a NBA fixture will be simulated. All matches will start at the same time and will last 48 minutes and every minute will be simulated as 5 seconds which means whole match will end in 240 seconds.

For example;

Five seconds after the match starts 1 minute will be considered gone by. The maximum attack time will be 24 seconds. Depending on the "basket", every five seconds the scores of the all the matches will be updated. After 48 updates, the matches will be over and the league table will be updated.

While the matches go on, the following stats will be shown in UI.

- Attack count
- Total score
- Player based assists
- Player based 2 or 3 points success rate.

### Things to consider:

- You must use Go
- There isn't any limitation on JS libraries, frontend is nice to have, you can show the results in basic html
- Please add a read.md file for installation or configuration (docker commands etc).
- Upload your code into github or bitbucket.

### We will take the following into the consideration when evaluating the project;

- Code quality
  - OOP approach
  - Architecture
  - Design patterns
  - Readability
  - PSR standards
  - Consistency

- Clean code
- Database/table designs
- The app should work as expected

**Bonus:**

- Real time top scorer and assist
- Player substitution
- Simulation for upcoming weeks (a button to simulate the whole fixture week by week)