

# Your NBA game

- **Description**

EA games making new game about NBA (Nash Basketball, brother of Crimea and Stive Nash) called NBA Rewind (there won't be any new feathers as in FIFA) and kindly asked you (one of the most famous and successful game developer) to make an interface for choosing players for the team. This app must provide all necessary information about players and provide an opportunity to add them to the team.

- **General info**

App deals with a table that contains a list of players that played in 1996 to 2019 seasons. The table is stored in CSV-file. You can use the following data set:

<https://www.kaggle.com/datasets/justinas/nba-players-data>

You are not asked to use all the columns. We will only work with these

*Name:* Full name of the player.

*Year:* Year of the season that player was playing (as player might played in more than one season, then you should separate same names by the year).

*Team abbreviation:* Team in what player was played that year.

*Age:* age of the player.

*Player height:* height of the player.

*Player weight:* weight of the player.

*Pts:* average number of points that player scored in the game.

*Reb:* average number of rebounds that player scored in the game.

*Ast:* average number of assists that player scored in the game.

- **About app**

This must provide this types of functions:

1. Show main window with main information (ID, Full name of player, year of season).
2. Have an opportunity to show more detailed information about the player by clicking name in the main window.
3. Provide sorting function (sort by certain team, year of season, more or less or certain age, weight, height, pts, etc.) and finding function by name.
4. Have a buttons in main window and in detailed information "add to team" and "remove from team" if player in. Access to the list of players

who in team will provide button “My team” (in my team should be no more than 16 player. Trying to add more than 16 triggers the warning about reached max number of players).

5. Have an adaptive windows.

- Additional methods (you can apply it if you have time or passion for doing it)

1. From “my team” window, user can make a start rotation (5 players who will start the match) and appoint the captain of the team.

**IF** player in start rotation or captain of the team and user tries to remove him from the team, there should be warning window, that “your have to remove player from starting rotation before kicking from the team” or “this player couldn’t be kicked because he is captain”.

2. Comparable window. It accessible in detailed info “compare”, that going back to main window to choose second player for comparison.

3. Button in “my team” window called “stats” that showing average statistics of starting rotation and hole team simultaneously and user can call their team.

4. Making an adaptive id, that will change, depend on how much players are shown by seitan filter.

- Interface example:

