

Roadmap and Next Steps

1. Roadmap of this project

Language: Java

Tools: IDEA, JavaFX, Scene Builder

This project aims to set up an NBA data management system for users to browse the teams and players statistics in NBA. Users can also manage data like add or delete players as they like. Add data are from 2022-2023 season.

Before a user opens the management system, he needs to have Java and JavaFX environments. When entering the application, the user will see three buttons, which are “Eastern Conference”, “Western Conference” and “Player Stats”. If he clicks on “Eastern Conference”, he will enter the eastern team statistics page. If he clicks on “Western Conference”, he will enter the western team statistics page. If he clicks on "Player Stats", he will enter the player statistics page. Each page will also have a “Back To Main Page” button, on which the user can click to go back to the main page. On player statistics page, the user can also add player or delete player using button.

The users for this application focus on NBA lovers. I hope they can easily browse each page easily.

The weakness for this application is that it only contains 2022-2023 seasons, and we just load CSV files to get the data, which is not a dynamic method.

2. Next steps

For the final project, first I want to add compare team and player functionality. Using the data we already loaded and saw, we will design algorithms to compare which team is stronger or which player is better. We still do not come out how to design the algorithm, because it is quite a hard problem to think, it is the most difficult point we need to deal with in our final project.

Another thing is that we can add more data about it. It is not necessary, and it should be an option to revise our project.