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Final Project Documentation

My project is a fantasy league App where you as a user can own a team with their players and simulate games against other players to get a score and see who has the highest score. Each team has an Overall score which determines their rankings and five players in five different positions. These players also have a score which affects the team score and a ranking, ranking players based on their position on the team.

Recursion

In the App class I use recursion to check if the user credentials are valid if so, you move on if not it will ask again.

A screen shot of a computer program

Description automatically generated

Array List

In my Excel Reader class, I have two methods that return Array List’s.

A screen shot of a computer program

Description automatically generated

Quicksort

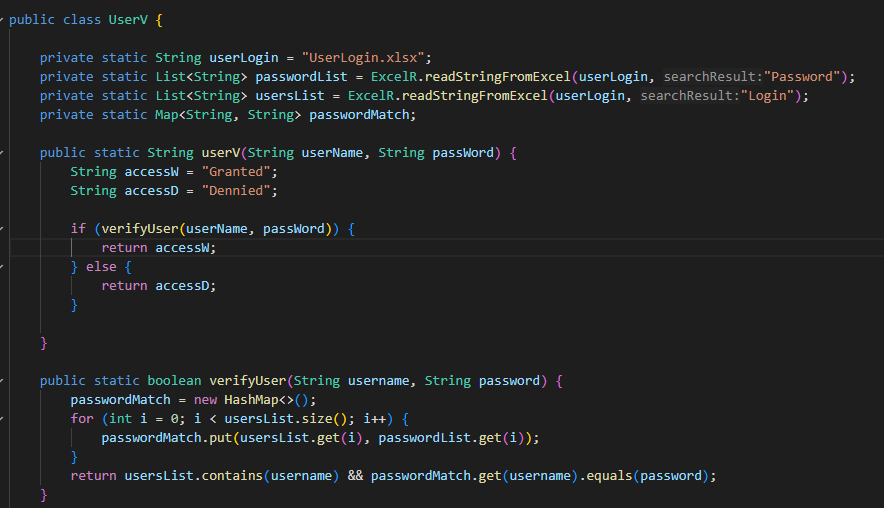
Is used to sort through players and return the list.

A screen shot of a computer code

Description automatically generated

HashMap

A HashMap is used in my User Verification class to match passwords to user’s



Insertion Sort

Used to sort through teams to make sure all team rankings reflect their overall score.

A screen shot of a computer program

Description automatically generated

Binary Search Tree

Created a binary search tree to give players the option to search for a specific player or team.



Binary Seach

Is used to search through the binary search tree

