ComfortablePotatoes - Vincent Liok, Jordan Yaqoob, Issac Kim, Shariar Kabir

Introduction:

Our project is a website where people can play fantasy sports. Fantasy sports is a game that allows players to create a virtual sports team by picking their favorite athletes regardless of the athletes' teams in real life. Players then join other players to form groups and compete for the most points. A player gains points according to the performance of their athletes in real games. Within a group, an athlete may not be on two different fantasy teams. This is why a pick phase is required to set up groups. Although not a core feature of our project, in fantasy sports players are able to trade and drop athletes. Another extra feature is displaying an athlete's statistics for the current season. A group session ends when the sport's season ends and the player with the most points in the group wins.

Role Designations:

Data extraction: Shariar, Issac
User registration, login, profile: Jordan
Pick phase, setting up groups: Vincent
CSS, js: Everyone
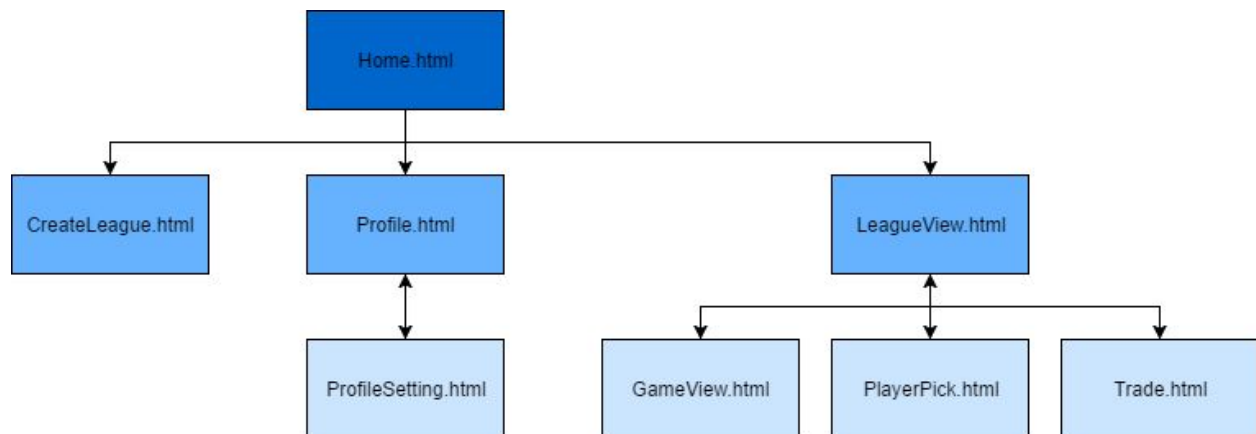
Component Map:

Python files
- Makeleague
    - Allows users to select other users that they will be playing with
    - Used by:
        - CreateLeague.html
- login/register
    - Standard login and register system
    - Used by:
        - Home.html
- draftteam
    - Allows players to select athletes to add onto their team
        - Used by:
            - PlayerPick.html
            - Trade.html
- Scrapedata

- Takes data from sport sites to be used to update athlete info on site
- Used by:
    - GameView.html
    - PlayerPick.html
    - Trade.html
- Updateplayers
    - Updates the number of points each user has
    - Used by:
        - Profile.html
        - LeagueView.html
        - GameView.html

Html files: home, draft, league, score

Site Map:

Note: All pages will have access back to home page.

- ● Home.html
    - ○ Register - Page where users will be able to register
    - ○ Login - Users will use this if they already have an account
- ● Profile.html
    - ○ Displays user's current leagues+standings
    - ○ Displays other information regarding those leagues
- ● ProfileSetting.html
    - ○ Change name,email,name of your team
- ● LeagueView.html
    - ○ Displays all current members of the league as well as their standings + current battles

- - - Displays just a short preview of what everyone's matches looks like
    - Has table on the side of who is in what rank
  - GameView.html
    - Shows the match details between current opponent
    - Shows your own team and their team
    - Ability to change lineup
  - Trade.html (Not sure if we will implement this feature or not)
    - Can propose trades to other players
  - PlayerPick.html
    - Will be using Ajax and other things to initiate the player picking part of the fantasy game
  - CreateLeague.html
    - Can invite people by username to make a league
    - League will include # of players, name, and settings for how many points each things count as

Database Schema:
Data.db

User Table

First	Last	Username	Password	Points	Players	Group

Athlete Table

First	Last	Game Number	Game date	Total Points	Total field goals made	Total field goals attempted	Total 3 pointers made

These two tables (above and below) are one database table

Total 3	Assists	Rebounds	Blocks	Steals	Turnovers	Turnovers	Daily

pointer attempted							Points scored

Timeline:

Task	Deadline
Creating a team, picking athletes	Monday, May 15
Syncing points earned with real matches	Wednesday, May 17
Pick phase, setting up groups	Friday, May 19
User registration, login, profile	Monday, May 22
CSS, js	Wednesday, May 24
Trading athletes	Friday, May 26

Style Guide:

- Use camelCase when naming functions and variables
- Function and variable names should be descriptive
- Single quotes as opposed to double quotes
- Function headers for back-end python files