Sara Cruz – December 2024

Los Angeles Clippers - Front-End Developer Final Project

This file a guide for the files in within my submission, and additional commentary on the decisions taken throughout the application.

This project has two main parts*:*

- the Python API endpoints to access the pbp_snap_shot files
    - Running on localhost:8000
    - There are four API endpoints:
        - /initial_folders/
            - Fetches initial folders within the data pbp_snap_shot folder
        - /folder_files/
            - Fetches list of all files within a user defined folder
        - /gleague_schedule/
            - Fetches list G-League Schedule
        - /get_file/
            - Fetches user-defined file

- React Frontend Application to showcase the data
    - Running on localhost:3000
    - There are three webpages:
        - /
            - Home Page
        - /schedule
            - G-League Schedule
        - /gamePBP
            - Game Details

The following is the folder structure:

- Main Folder:
    - backend Folder
    - la-clippers-app Folder
    - pbp_snap_shot Folder (Additional pbp_snap_shot folders can be added!)
    - docker-compose *(Main File to Run)*
    - ReadMe.docx

Additional Comments:

- The instructions mention to not allow scrolling. The main display does not scroll, but there are inner elements that do scroll (ex. Tables, Schedule). I think its intuitive for a user to scroll when using the schedule page, and looking through the quarter play-by-play.
- There are a few functionalities I would like to add
    - Better table filtering
    - Relocating the box score with each Quarter total points elsewhere
    - Enable sorting multiple columns
- There are other visualizations I would like to explore in the future.
    - There is positional data in the PBP files. I would like to explore what they showcase and have potentially another visual within the PBP tab and showcase where the play happened on the court.
- Additionally, I don't currently know how to send this application to an IPad so I have not been able to test out the webpage with the given real-life scenario. I did test it out on a 40+ inch screen and 'jerry-rig' the dimensions of an IPad Pro. (I would love to get insight on how I could test it on an IPad Pro!)