Capstone Project Part 2: Proposal

1. What goal will your website be designed to achieve? ***The site will be designed to help fantasy football players prepare for their upcoming fantasy football draft by organizing NFL players and their statistical data in a user friendly format.***

2. What kind of users will visit your site? In other words, what is the demographic of your users? ***It is estimated that there are 40 million fantasy football players as of 2021. The demographics vary greatly as it is a diverse group. Men, women, and children of all backgrounds are included.***

3. What data do you plan on using? You may have not picked your actual API yet, which is fine, just outline what kind of data you would like it to contain.

***I plan to use the API available from api.fantasynerds.com. The data includes Team Names, Player Names, Depth Charts, Draft Rankings, Average Draft Position, and Team Schedules***

4. In brief, outline your approach to creating your project (knowing that you may not know everything in advance and that these details might change later). Answer questions like the ones below, but feel free to add more information:

a. What does your database schema look like? ***The database schema will include a Teams table that lists teams, players, and schedules. It will also include a Players table that includes Player\_Name, Draft Ranking, Average Draft Position, and Past Season Fantasy Point Production. There will also be a database storing user login information.***

b. What kinds of issues might you run into with your API? ***I project that it may be difficult to arrange the data as I would like based on the schema. I think it will be a challenge to display the data on the front end. I would like to be able to give the user the ability to sort the data according to certain data as well.***

c. Is there any sensitive information you need to secure? ***I will need to use authentication and verification to give each user a unique username and password. I will need to encrypt the username and password with bcrypt.***

d. What functionality will your app include? ***The user will be able to navigate between routes using buttons and anchor tags. The user will be able to sort columns as well.***

e. What will the user flow look like? ***The user will register their username, which will be stored in session and in a user database. The login info will be encrypted. The homepage will include links to Teams, Players, and rankings by both standard and PPR(point per reception). The Teams page will have a list of all teams with links to each individual team page. Each individual team page will have a team schedule and roster. The roster will include links to each individual player. The player page will include statistics. There will also be a link to Draft rankings which includes a sortable list of every player in the top 200. This list can be sorted by Draft rank, Average Draft Position, Player Position(i.e QB, RB, WR), The user will also be able to create a player and append them to the list. This will be the way to add rookies that will be drafted in the upcoming NFL draft.***

f. What features make your site more than CRUD? Do you have any stretch goals?

***I would like to give the user the ability to favorite players and add them to their projected roster. I would like to include pictures and video highlights of some of the top individual players as well.***