

Goals

Our goal for the second sprint is to have the database and optimization process done for at least two sports, NBA and NFL. We want to improve our optimization process to make it more accurate as well as add more functionality to the front-end. Additionally, we want to be able to connect the front and back ends to get daily, updated slates for each sport and parse those slates to get the list of players who are playing that day and all their information.

Sprint Backlog

[Overall Total Time : ~52hrs]

Design and Implementation [Total Time : ~52hrs]

- Backend [Done, ~25hrs]
 - Update NFL stats [Done, ~2hrs]
 - NFL optimization [Done, ~2hrs]
 - Run regression and adjust it to be more accurate [Done, ~2hrs]
 - Adjust the r^2 and p values for more accuracy [Done, ~2hrs]
 - Specify the optimizer to each sport [Done, ~2hrs]
 - Grab DraftKings slate in real time for each sport [Done, ~2hrs]
 - Error message if sport is out of season [Done, ~2hrs]
 - Make optimizer for FanDuel [Done, ~3hrs]
 - Make optimizer for DraftKings [Done, ~3hrs]
 - Create functions to call optimizer and connect to front-end [Done, ~1hr]
 - Moved app development to EC2 instance running apache [Done, ~4hrs]
- System User Interface [Done, ~21hrs]
 - Login layout / functionality [Done, ~3hrs]
 - Register page / functionality [Done, ~3hrs]
 - Show detailed player description [Done, ~5hrs]
 - Player Description, Position, Team Name, Salary, Ranking
 - Search Bar functionality [Done, ~4hrs]
 - Connect Front-End and Back-End [Done, ~6hrs]
 - Communication (send and receive requests) between UI and backend to get daily slates. [Done, ~3hrs]
 - Parse incoming slates (JSON to Java) [Done, ~3hrs]

Testing and Demos [Total Time : ~6hrs]

- 10 test cases for Sprint 2 [Done, ~6hrs]
 - 3 test cases for password [Done, ~1.5hrs]
 - 2 test cases for url [Done, ~1.5hrs]
 - 4 test cases for component visibility [Done, ~1.5hrs]
 - 3 test cases for backend [Done, ~1.5hrs]