

Bet Mate

Team #17

Project Creators: Jason Yau, Brandon Nguyen, Reynaldo Martinez, John Dufresne, Sunwoo Choi

Project Overview:

The specific project is a web application called “Bet Mate”. The application is designed to help gamblers make educated NBA bets based on a variety of data we would provide. Some of the data that would be displayed to the user would be a player’s stat line from the previous 10 or 20 games, the defensive ratings of the team a certain player is matching up against, and different point spreads that the user could place a bet for. The user will be shown in present the projected lines for a player or team. Such lines could include over/under on points, rebounds, or assists. Other lines can include the money line for an NBA game or the over/under on the number of points scored between two teams in a game. The idea for “Bet Mate” is to create an application that can display essential information that is needed to make an educated bet. “Bet Mate” is an application that will minimize the amount of time searching through ESPN box scores or clicking through the different sport books to find the best line. “Bet Mate” will not be a place where the user can place a bet. Users must go to their local sportsbook. “Bet Mate” is simply a web application designed to save people time.

Project Details:

The team will meet for 1 hour semiweekly to speak about their progress on the tasks required of them. The software will be stored in Reynaldo Martinez’s GitHub and will be collaborated on with all members of the group. The plan is to create a MERN stack for this application. The application needs a crisp responsive UI to help users easily digest the information that will be displayed. We will be using React for the front-end aspect of our project to create that responsive design we have in mind. We will be using MongoDB, Node, and Express for our backend functionality. We will be using plenty of different API calls to retrieve the necessary information and we will be using Node to handle the request, process data, and interact with our MongoDB database. To format the information in a digestible manner we are thinking of using graphs and charts from the D3 framework to create the visualizations. We will also include User Authentication. Users will need to create an account to access the application. For this application we

would also like to include plenty of customizable options to display information differently based on the user's preference. We would also like to add security measures to our application so that malicious attackers cannot break our systems or access sensitive information. Project Users will be using VS Code as their main IDE's and a Unit test will be planned for the main logic of the program.

Goals:

1. Learn about the software development process and expand knowledge of general programming specifically in the realm of web application design.
2. Create a functioning web application that is responsive on all devices.
3. Learn how to work with API's.
4. Work within a team to complete tasks to develop software.
5. Have fun and try to win 1st place.

Team Roles:

Project Manager: Reynaldo Martinez

Frontend/UI: John Dufresne, Brandon Nguyen

Backend: Jason Yau, Sunwoo Choi

API: Jason Yau, Reynaldo Martinez

Database: Reynaldo Martinez