WondoBot

04/03/24

By: Jose Fuentes, Henry Benso, Edward Halim

Project Description

- Discord bot for football fans (SJ Earthquakes) to make predictions and track performance of the team
- Will integrate database storage of match data, user information, and predictions to provide real time updates
- Variety of commands to retrieve match information, making predictions, and leaderboards
- Will use Sequelize + Postgres
- Allow user to submit their score predictions

Goals

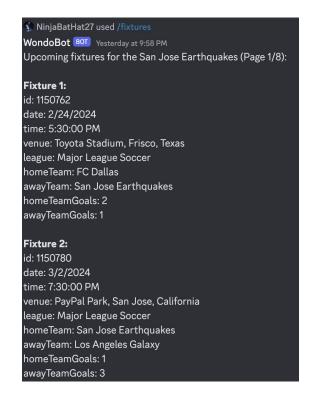
- Create user-friendly discord bot interface/commands to make those predictions (for all skill "levels")
- Implement database functionality to store and manage match data, user profiles, and prediction records (Sequelize + Postgres)
- Apply prediction algorithm to allow user to predict the score of a match
- Will distribute points based on how close the user's prediction was to the actual result
- Can see rankings of the top prediction makers
- *Use ML/AI to get historical head-to-head matches to help the player in making a guess (if there is time)

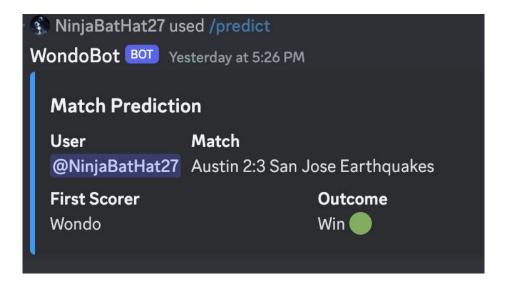
Justification

- Big fan
- Good chance to work with apis/data
- More interaction in the server
- Provide fans with a platform to predict the outcome of the match
- No other bot that focuses on this team
- Build for a platform we actively use



Example





Live Demo!

Challenges

- Niche subject (not many up-to-date resources on discord.js)
- Database challenges (setting up locally on laptops and getting the right schema)
- API request limit (using free plan)

Punch List

Must have functionality:

- Basic commands for predict and fixtures (current, last, all)
- Putting api information into database (currently working on)
- Implement scoring system (haven't done)
- Edit commands to take and check information from database
- Choose hosting platform

Optional functionality:

- Use ML/Al to get historical head-to-head matches to help the player in making a guess
- Gets the standings of the season, highlighting the San Jose Earthquakes
- Get incoming and outgoing players depending on year

Questions?

