

WondoBot

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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 prediction for the San Jose Earthquakes

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



Example

NinjaBatHat27 used [/fixtures](#)

WondoBot **BOT** Yesterday at 9:58 PM

Upcoming fixtures for the San Jose Earthquakes (Page 1/8):

Fixture 1:
id: 1150762
date: 2/24/2024
time: 5:30:00 PM
venue: Toyota Stadium, Frisco, Texas
league: Major League Soccer
homeTeam: FC Dallas
awayTeam: San Jose Earthquakes
homeTeamGoals: 2
awayTeamGoals: 1


Fixture 2:
id: 1150780
date: 3/2/2024
time: 7:30:00 PM
venue: PayPal Park, San Jose, California
league: Major League Soccer
homeTeam: San Jose Earthquakes
awayTeam: Los Angeles Galaxy
homeTeamGoals: 1
awayTeamGoals: 3

NinjaBatHat27 used [/predict](#)

WondoBot **BOT** Yesterday at 5:26 PM

Match Prediction

User	Match
@NinjaBatHat27	Austin 2:3 San Jose Earthquakes

First Scorer	Outcome
Wondo	Win 

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/AI 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?

