

## Project Milestone 2

**Project Title:** Sports Discord Bot

**Group Members:**

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**Project Progress (400-500 words):**

We were able to achieve our first milestone from our initial project proposal. Upon research, we identified Ergast API as the open-source API we would be using. Ergast is a free, experimental API for accessing motor-racing data. The API returns the data in JSON format. We are currently building a wrapper around the API. The API was beta tested against potential commands to be supported by the bot. In the upcoming weeks, we plan to finalize these commands and complete building the wrapper around this API. We foresee Discord integration as a challenge and have found alternatives for the project demos if the integration is unsuccessful.

### Timeline

**Week 2:** As discussed with Micheal during our project pitch, our goal for week 2 was to finalize an API we will use for fetching F1 data. We narrowed our search and decided to go forward with Ergast API (URL: <http://ergast.com/mrd/>), which provides us with all data we need (from 1950 to 2022) to build our Bot. The next step was understanding how the data was structured and deciding how it was to be accessed and how we would display it when one sends a fetch request to the Bot.

**Week 3:** This week we identified the various commands/functionalities that our bot would support. The results of these commands include fetching a list of all the drivers for a particular year, a list of drivers of a specific race in a year, driver information, constructor information, a list of circuits for a year, a list of the seasons, various race results and more. We then started working with the API to provide formatted responses for each command.

**Week 4:** After iterating through the code and fixing critical bugs and issues, we intend to finalize our code repository, work on our project demo video and prepare all the necessary documentation for the Project Report and handover documentation this week.