

# Ball'r Leagues

## Project Charter: Team 2

### Team Members:

Tanuj Yadav, Varun Kondapalli, Akhil Agrawal, Colin Cross

### Problem Statement:

College students and those who follow college sports are often competitive people. For the average sports enthusiast, simply following game results and comparing them with one another in a casual way is enough. For the more competitive individual, however, this is often not the case. One way they circumvent this by participating in fantasy leagues. For these people, it would be very useful to have this functionality be easily accessible in one place on the web to allow competition either within their group of friends or with like-minded, competitive strangers.

### Objectives:

- Create a platform for college sports enthusiasts to compete in a fantasy league with friends.
- Keep users up to date with past and upcoming sports events with news feeds.
- Create a leaderboard which would display people with the most wins
- Allow users to authenticate themselves using Google.

### Stakeholders:

- **Project Owners:** Tanuj Yadav, Varun Kondapalli, Akhil Agrawal, Colin Cross
- **Developers:** Tanuj Yadav, Varun Kondapalli, Akhil Agrawal, Colin Cross

- **Users:** People who follow college sports
- **Team Leader:** Tanuj Yadav
- **Project Coordinator:** Adam Johnston

### **Project Deliverables:**

- React front-end web application that acts as a platform to retrieve and display information.
- Retrieve live sports scores and news using ESPN API.
- Use a prediction and game odds API like Bet365 to fetch betting tips.
- Python back-end web application with Python Flask framework to communicate with and serve requests made by the front end of the application.
- Firebase for Hosting and Database storage as it has an ML Kit which can be used for statistical inferences.
- Google Authentication for Login.