

# Flipr Hackathon 8.0

Mobile Application Development Task

Theme: Indian Premier League (IPL)

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# Problem Statement

## Intent:

You are expected to build a mobile application which is inspired by Dream 11.

Links for reference -

[https://play.google.com/store/apps/details?id=com.dreamsportsteam.fantasyprediction&hl=en\\_IN&gl=US](https://play.google.com/store/apps/details?id=com.dreamsportsteam.fantasyprediction&hl=en_IN&gl=US)

Your application is expected to have certain features which are listed down below:

- **Login and signup via**
  - Username - password
  - Facebook
  - Phone number(OTP)
- **Random Dummy match selection** (from the JSON's provided)
- **Fantasy team creation based on selected match** (players available should be based on the players belonging to the dummy match JSON, in case the number of players extracted from the dummy JSON are less than 22 then pick random players from the player list provided)
- **Selection of team captain and vice-captain**
- **Live match display based on selected match -**  
(as noticed in the dummy JSON, a ball by ball event log has been provided for both innings. Using these logs you are expected to replicate the live match. Here each ball will have a 5 second gap to replicate the real nature of the match with each ball thrown, the dashboard has to be updated automatically without refreshing the page)
- **Scoreboard**

## Note -

- Team cannot be selected before choosing a dummy match
- Once the match is over, the team should get reset automatically and the next random dummy match should be selected from the provided JSON.
- Team has to be built using a maximum of 100 credits
- Selecting every player for the team will cost you some credits details regarding which are provided in the Player list provided
- Each run scored by a player will add 1 point to your teams score
- Bowlers will gain points based on the type of wicket taken. Points for each category are provided in the events list sheet.
- Points scored by captain will be 2x and points scored by Vice-captain will be 1.5x of the points scored by them.
- Scoreboard will show the sum of total points scored in all previous matches played by this user along with a history showing how much scores were gained in which match.

## Deployment :

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- 1) Upload the code on any version control like github, gitlab, bitbucket
- 2) Deploy the frontend and backend code on any cloud platform like AWS, Microsoft Azure, Google Cloud, Heroku or any other platform.

### Instructions :

- Submit the code on or before 10:00 PM, 25th April 2021.
- Upload the code in any version control like Git, Bitbucket, etc
- Please provide GitHub, GitLab, or bitbucket repo URL for your assignment.
- Add the instructions in your readme.md file to build and run the app.
- Share all the files and links in this google form -  
<https://forms.gle/Vk4gRH8jSXGjXrrH9>
- You can refer to the Internet and Books but whatever you code you must understand because if you are going to be shortlisted for an interview then you must be able to explain the company officials about your code.
- You can use any Technology, SDK or Framework as per your convenience to complete the project.
- For any queries regarding the project, you can mail Vaibhav at [vaibhav@flipr.ai](mailto:vaibhav@flipr.ai) or [devops@flipr.ai](mailto:devops@flipr.ai)