

IPL ANALYSIS

Prototype Presentation

Team Name : Fantastic Five

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Hanchate Samyuktha

IDEA DESCRIPTION

Cricket is one of the most loved sports of the country and Indian Premier league is one of the flagship sports leagues of India, garnering wide attention every year.

Every year the sports league is garnering more attention than before.

This project is an attempt to analyze the performance of the players and the teams in the Indian premier league and understand the capabilities of various players.

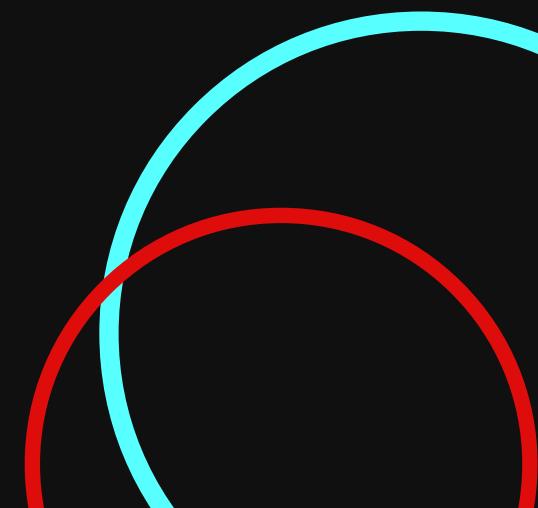
We will be mixing the cricket and the analytical world so that a non technical person can also understand the performance of each team and player in a particular match.

We are trying to build an interactive platform using analytical application to give online cricket platform an edge.

SELECTED THEME

Sports Tech

- Trying to integrate Sports + Technology using data driven approach.
- We will be visualizing sports results with interactive analytical graphs.
- Building user interactive dashboard using django framework.
- Analyzing the players performance and win the match strategically.



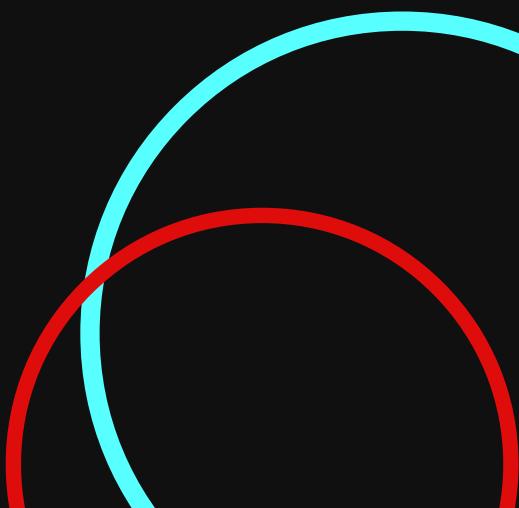
PROPOSED SOLUTION

Sports Tech

- The Indian Premier League is conducted every year and the participating teams represent a city in India. This is a professional Twenty-twenty cricket league that is governed by the Board of Control of Cricket in India (BCCI). Various factors affect the game like the skills of the players (like bowling rate, batting rate), their form, the rules of the game and etcetera. Information visualization is a process of visualizing the information in such a way that the information presented is accurate and easy to understand.

Bar charts help in representing the categorical data using rectangular bars. They are used to compare the items between different groups over time. Pie charts are graphs that represent the data in the circular graph, the slices of pie show the relative size of the data. Pie chart is said to be the pictorial representation of data. Box plot is a measure of how well distributed the data is in a data set. It divides the data set into three quartiles and represents the minimum, maximum and median, first quartile and third quartile in the data set.

This project tries to visualize these important factors that determine the player's real position in the team using the visualizing techniques and above mentioned visualization charts.



- To visualize the data set to maximum extent
- To learn the development of a dashboard using the html, css, javascript.
- To apply various visualizing techniques learnt in class
- To use the django framework in the pycharm IDE
- To analyze the players performance and win the match strategically.

Framework

- Django Framework.

Scalability/Usability

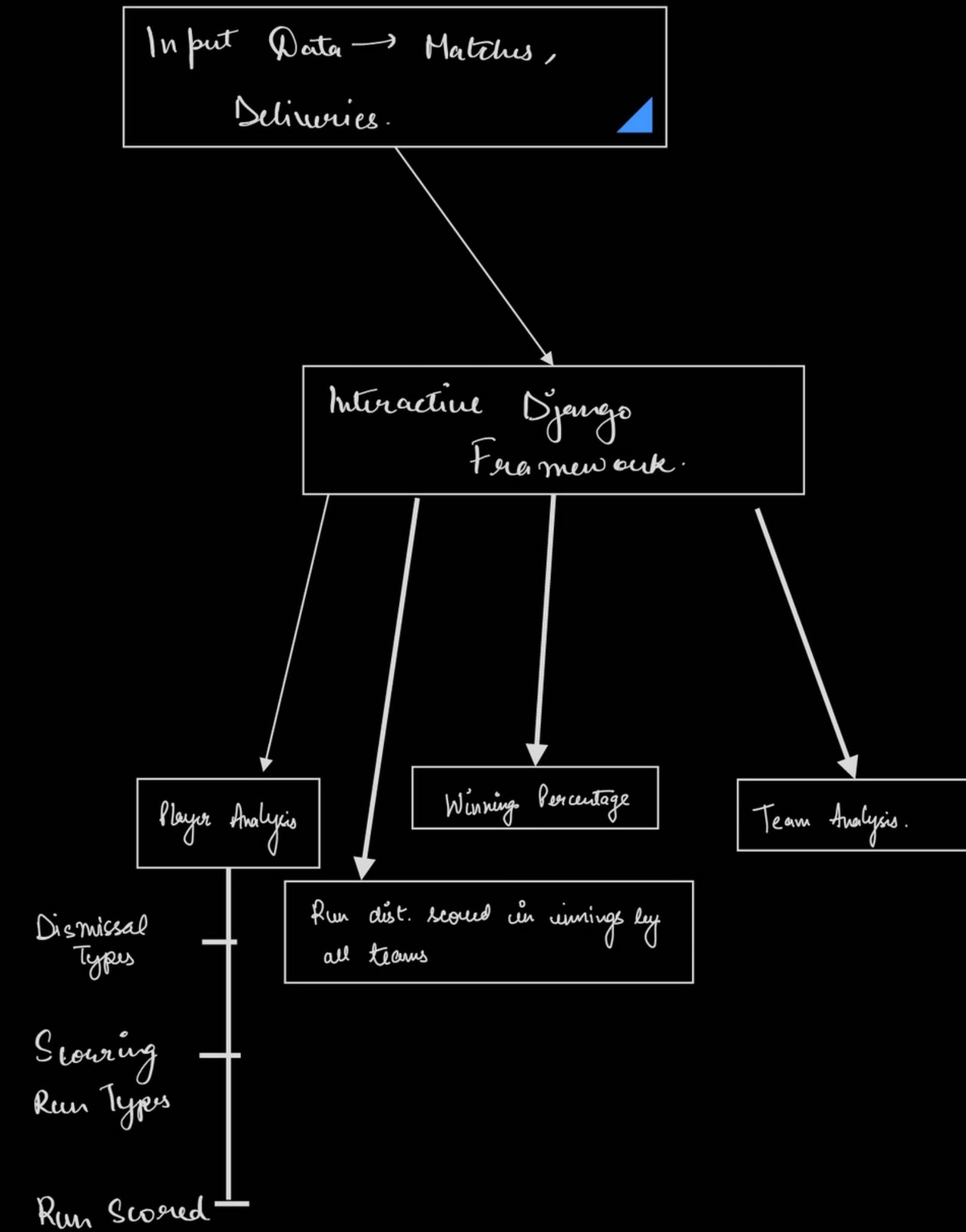
- using live API We can analyse real time data and take out inferences from that. This will help us to Study the nature of match and accordingly we can take decisions.

Through this we can scale up our Sports /Cricket industry by bringing modern technologies into account.

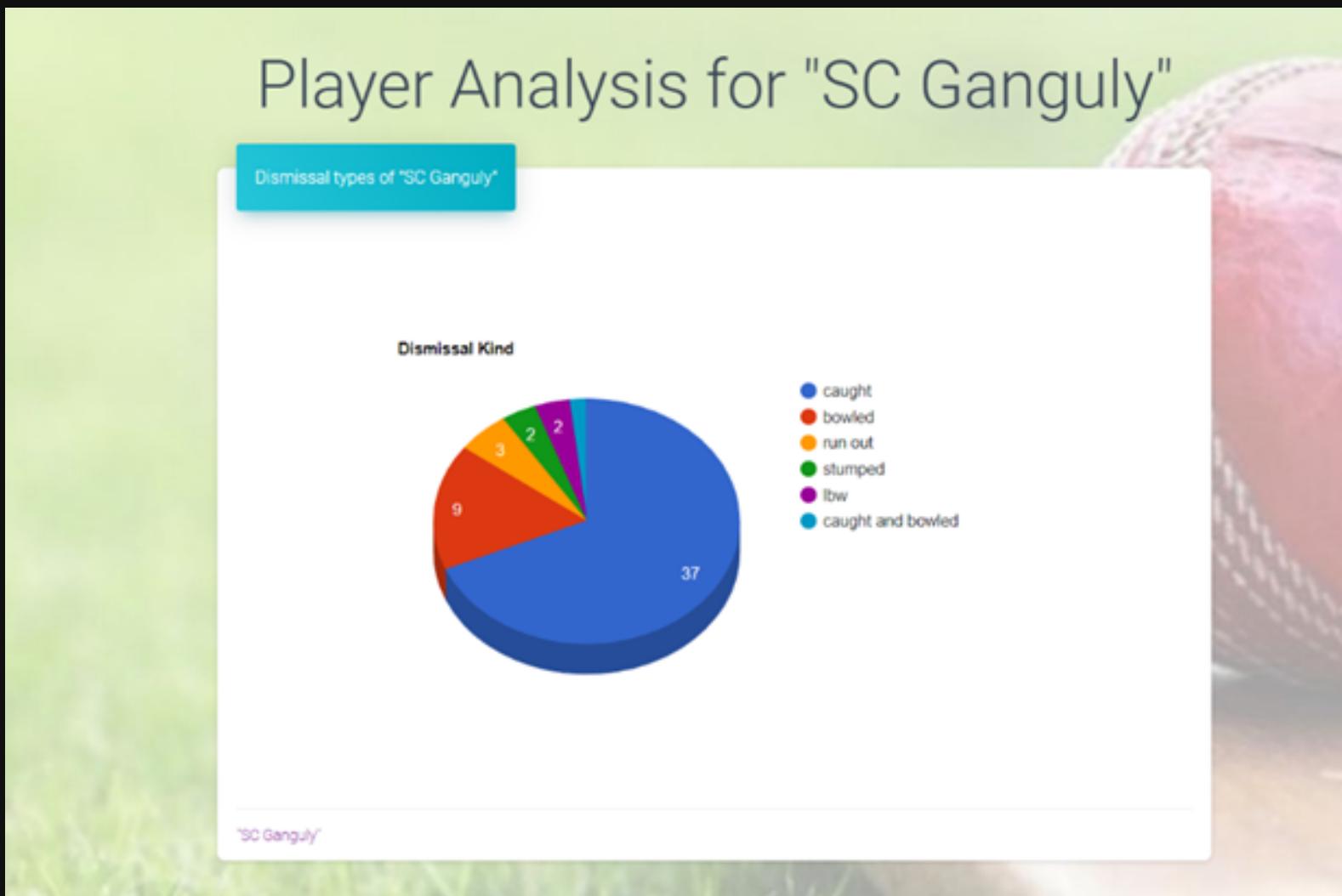
We can analyse players performances through this technique which will help the team to plan the further actions accordingly.

METHODOLOGY

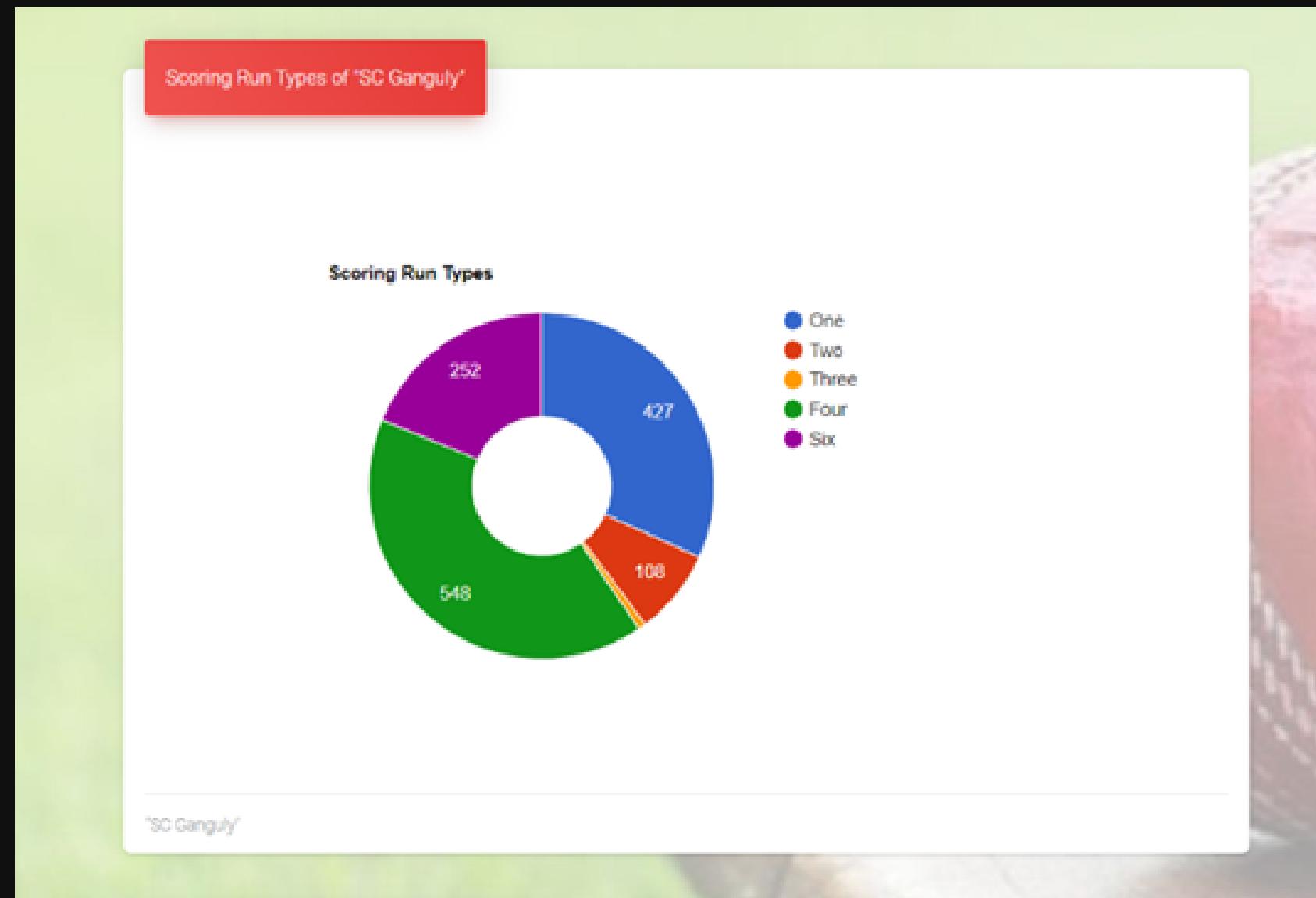
Flow Chart



Graphical Representations and Analysis + Visualisations



Graphical Representations and Analysis + Visualisations



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cricket analysis

Project Details

Project information

Project Name : Cricket Analysis
Guided by: Prof. Edward Jeero

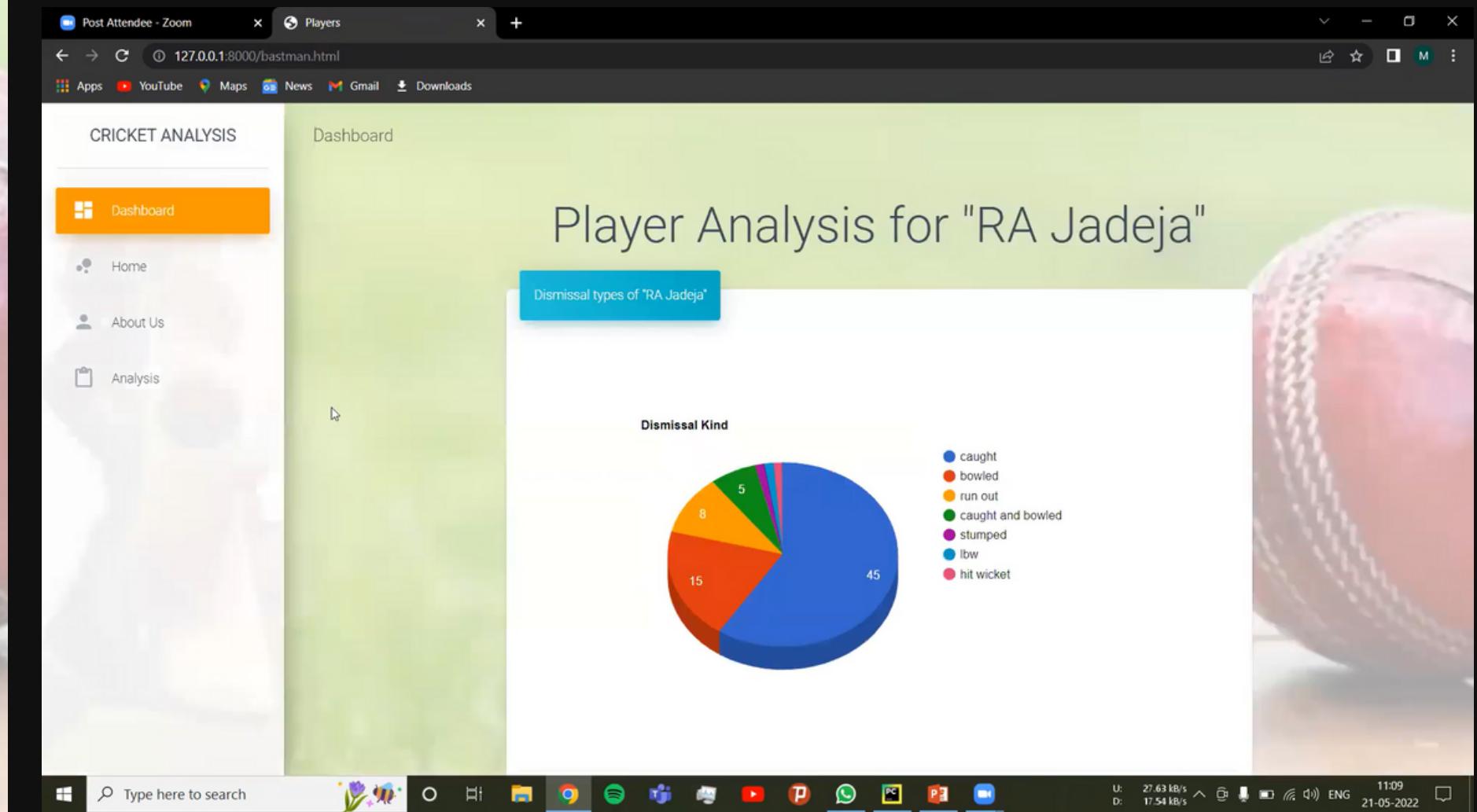
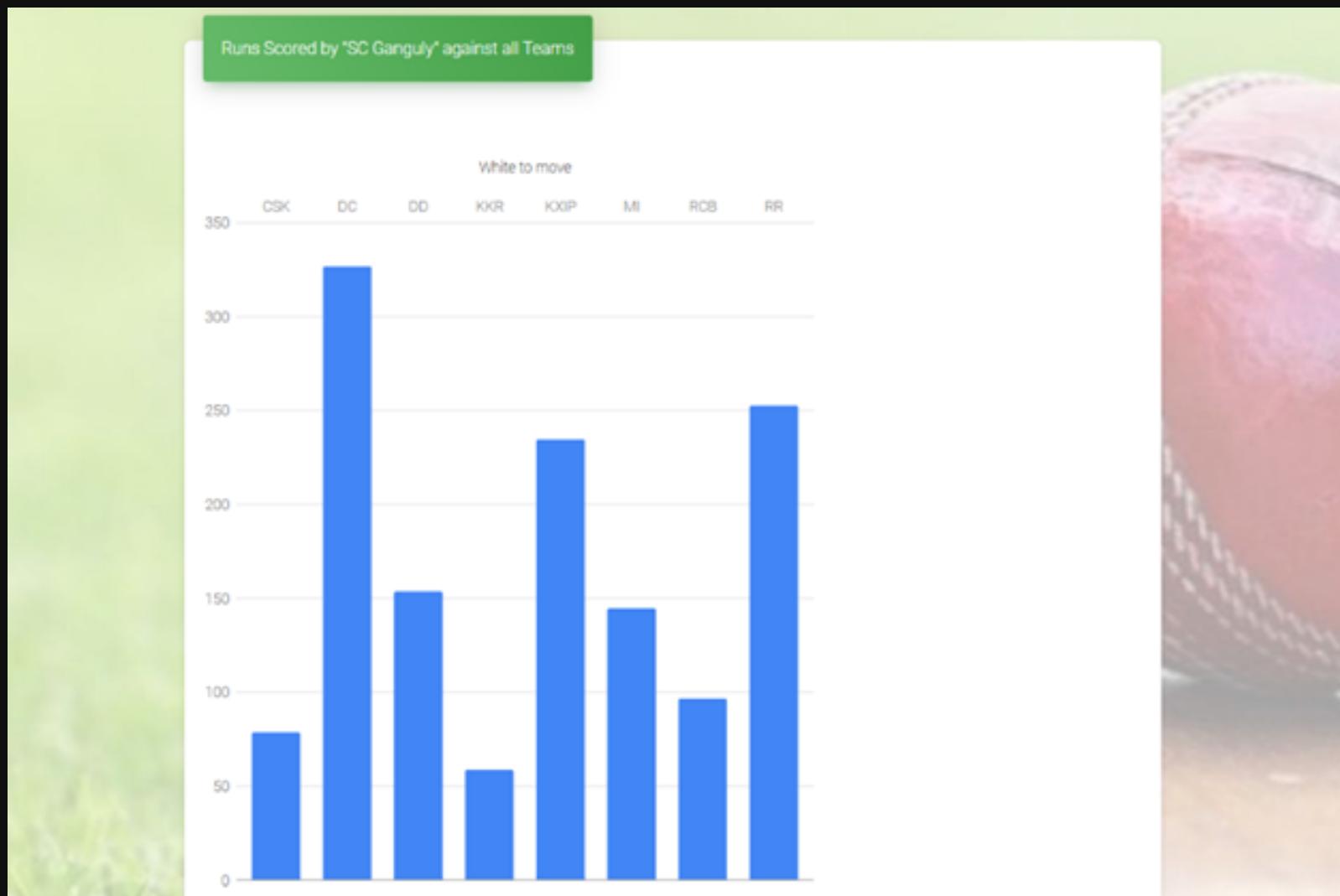
Description

The Indian Premier league or fondly known as IPL stands to be one of the flagship sports leagues of India with a huge fan following all over the world. Using the concepts learnt in information visualization and data analysis, our team has carefully analysed the strike rate, dismissal kind, total number of runs made by the player and many such features pertaining to the player of the team he belongs to. We have used html and

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Graphical Representations and Analysis + Visualisations



WORKING PROTOTYPE VIDEO



DEMO

[https://www.youtube.com/watch?
v=x2MvNAejlhw](https://www.youtube.com/watch?v=x2MvNAejlhw)

VIDEO EXPLANATION

[https://www.youtube.com/watch?
v=jiT8v-MLeH0](https://www.youtube.com/watch?v=jiT8v-MLeH0)

THANKYOU