PROJECT REPORT

IPL AUCTION DATABASE MANAGEMENT SYSTEM

Stakeholders and their roles:

• Players:

- o They are the key stakeholders of the database
- o This database will have a record of all their performances and achievements.
- o They will also have the access to see the records of other players.

Coaches:

• They can simply view player's achievements whenever they wish.

Team Owner:

o They can view the performances of all players, all coaches, and team achievements along with their expenditure.

Data Admin:

- **o** They have access to see all data of players.
- **o** They can also add or remove data of the team including players, stadiums, matches, and coaches.

• Data Analyst:

- **o** They can tell players about their weaknesses.
- **o** They can have data about the pitches, opposing teams, and players.

Entities: Players, Coach, Team Owner, Data analyst, Data admin, Teams, Stats, Auction, Stadium.

Schema:

Players:

ID Name

Age

Height

Nationality

Type (Bowler/Batsman)

Price

Jersey No.

Debut date

Teams played under Speciality Stats

Teams:

Name

Total Trophy won

Captain

Vice-Captain

Bowling Coach

Batting Coach

Fielding Coach

Sponsors

Owners Name

Most Expensive Player of team

No. of Indian players

No. of foreign players

Previous standing at Points Table

Total no. of Bowlers

Total no. of Batsman

Total no. of All Rounders

Total Indian caped players

Total no. of uncapped players

Total purchase bag available

Total Indian slots available

Total foreign slots available

Current Players List

Home Ground

Coach:

Name

Age

Past Experiences

Type

International records

Nationality

Titles Won

Nature

Stadium:

Name

Location

Capacity

Pitch Type

No. of Entry gates

No. of Exit gates

No. of workers

No. of tickets Counter

No. of restaurant's

Dimensions

Year of establishment Last 5 T20 matches

Average 1st innings score

Average 2nd innings score

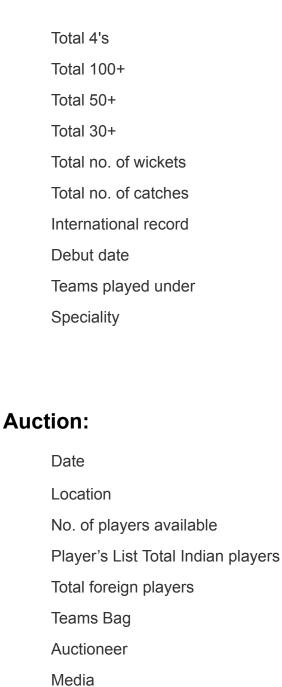
Stats:

Player ID

Total runs in IPL

Total no. of match played

Total 6's



Queries for stakeholders:

Players:

- 1. What were my stats last season?
- 2. What were others stats last season?
- 3. What are the attributes of a particular stadium?
- 4. What are the stats of different teams?
- 5. When and where is the auction?
- 6. What is my base price?

Team Owners:

- 1. What were the stats of a particular player last season?
- 2. What was the past performance of a particular coach?
- 3. What are the stats of different teams?
- 4. Who are the sponsors of a particular team?
- 5. Who are other owners of different teams?
- 6. When and where is the auction?
- 7. What are base prices of different players?

Coach:

- 1. What are the stats of different teams?
- 2. Who are coaches of other teams?
- 3. What are stats of different players?
- 4. What are the attributes of a particular stadium?
- 5. When and where is the auction?
- 6. Which players have a particular attribute (e.g., Death Specialist, Spin King etc.)?
- 7. What are base prices of different players?

Data Analyst:

- 1. How much capped players are there?
- 2. How much uncapped players are there?
- 3. How many foreign players are there?
- 4. How many players are participating from a particular nation?
- 5. How many players are available in a particular slot?
- 6. How many players are there with a particular attribute?

Use of this database:

We chose this database as we all have an interest in cricket and IPL and working on something common to all of us can help in getting the best out of us. IPL auction is also round the corner and this motivated us to choose this topic. It also resembles a real-life example as every year we have an auction in which a database is created to assist teams and their owners in auction.