The Database of my choice is largely inspired from the “iplt20.com” website. I have tried and mage my schema which would be in conjunction to the existent systems.

Following is the Design Schema for the IPL T20 tournaments.

It contains the following relations along with the attributes:

1. Players (Entity set Basic data of every player)

* Name
* Player ID (Unique ID given to every player who ever played IPL)
* Role (Role in the Team)
* Batting Style
* Bowling Style
* Nationality
* DOB
* IPL Debut

Primary Key: Player ID

1. Teams (Entity set of all the teams that played IPL)

* Year (Separate rows for each year a team played)
* Team Name
* Team ID (Unique ID given to every team which ever played IPL)
* Owner
* Coach
* Captain ID
* Sponsor

Primary Key: Team ID

Foreign Key: Captain ID to Players (Player ID)

Year to Season (Year)

1. Year wise Team Lineup (Entity set to describe the players of teams for all seasons)

* Year
* Player ID
* Team ID
* Jersey Name
* Jersey Number
* Auction Value

Primary Key: Year & Player ID

Foreign Key: Player ID to Players (Player ID)

Team ID to Teams (Team ID)

1. Year wise Player Stats (Entity set containing performance stats of players yearwise)

* Year
* Player ID
* Matches (Total matches played that season)
* Runs (Total runs in that season)
* Strike Rate
* 100’s (Number of centuries in that season)
* 50’s (Number of half-centuries in that season)
* 6’s (Number of sixes in that season)
* 4’s (Number of fours in that season)
* Balls (Number of balls delivered in that season)
* Economy Rate
* Wickets (Number of wickets taken in that season)

Primary Key: Year & Player ID

Foreign Key: Player ID to Players (Player ID)

1. All Matches (Entity set containing the list off all matches ever played in IPL)

* Year
* Team 1
* Team 2
* Date
* Time
* Status (Winner Team / Draw)
* Winner Score
* Loser Score
* Venue
* Man of the Match (Player ID of man of the match)

Primary Key: Date & Time

Foreign Key: Team 1 to Teams(Team ID)

Team 2 to Teams(Team ID)

1. Points Table

* Year
* Team ID
* Played
* Won
* Lost
* Tied
* Net Run Rate
* Points

1. Season

* Year
* Title Sponsor
* Champions
* Orange Cap
* Purple Cap
* Man of the Tournament (Player ID of Man of the tournament)