Cricket Database

Diagram

Entities: Cricket Types, Leagues, Teams, Players, Matches and Stadiums
Associative Entities: Scores, Players Stats & Team Selected
Assumptions:
1) Since a league can have many teams and team can play in multiple leagues, I have created an associative entity called teams selected with selection ID as a primary key with unique combination of league ID and team ID
2) A match is played between two teams and team can play in more than one match. Hence, I hence I have created an associative entity called scores with Score ID as primary key.
3) Since s player can play in many matches and a match has many players, I have created an associative entity called player states with stat ID as primary key with a unique combination of player ID and match ID.
4) It is assumed that a player plays for only one team.
5) Since original database is more complex, I have note created a separate entity for team owners and coaches assuming there is single owner and a single coach for each team.

Cricket Types

Type (PK)
Overs
Duration

Stadiums

Stadium ID (PK)
Stadium Name
City
Stadium Country
Capacity

1...1

1...1

0 ... *

0 ... *

Leagues

League ID(PK)
Type (FK)
League Name
League Year

1...1

1...*

Matches

Match ID (PK)
Stadium ID (FK)
League ID (FK)
Date & Time
Match type

1...1

1...*

Player Stats

Stat ID (PK)
Player ID (FK)
Match ID (FK)
Runs
Wickets
Balls Played

0...*

1...1

1 ... 1

1...1

0 ... *

Teams Selected

Selection ID (PK)
League ID (FK)
Team ID(FK)

1 ... *

1 ... *

Scores

Scores ID(PK)
Match ID (FK)
Team ID(FK)
Total Runs
Wickets

0...*

Players

Player ID(PK)
Team ID (FK)
Player Name
Player Country
Date of Birth
Player Type

1...1

1...*

1...1

Teams

Team ID (PK)
Team Name
Coach
Owner

1...1

1...1