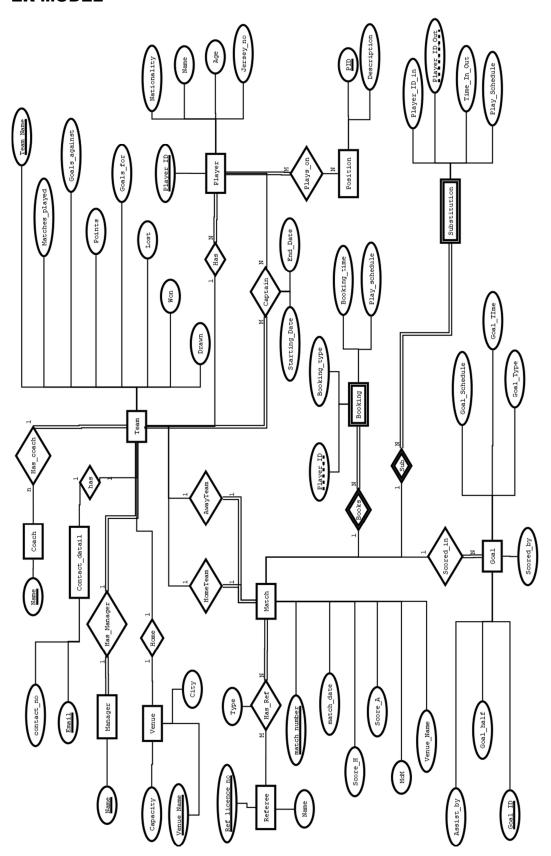
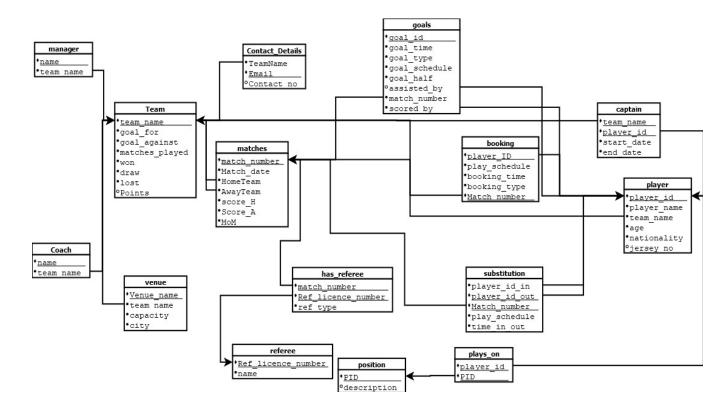
ER MODEL



RELATIONAL MODEL



Functional Dependencies

1) Manager

Manager_name-> team_name
Since the determinant of the only FD that holds on this relation is its primary key,
this relation is in BCNF form.

2) Team

- Team_name -> matches_played
- Team name ->won
- Team_name ->draw
- Team_name ->lost
- Team name ->goals for
- Team_name ->goals_against
- Team name ->points

Since the determinant of every FD that holds on this relation is its primary key,this relation is in BCNF form.

3) Coach

Coach_name -> team_name
Since the determinant of the only FD that holds on this relation is its primary key,this relation is in BCNF form.

4) Venue

- Venue_name -> team_name (home ground)
- Venue_name -> capacity
- Venue_name -> city

Since the determinant of every FD that holds on this relation is its primary key, this relation is in BCNF form.

5) Match

- Match_number ->date
- Match_number ->mom
- Match_number ->home_team
- Match number ->away team
- Match number ->score a
- Match_number ->score_h

Since the determinant of every FD that holds on this relation is its primary key,this relation is in BCNF form.

6) Referee

Ref licence no -> name

Since the determinant of the only FD that holds on this relation is its primary key, this relation is in BCNF form.

7) Goals

- Goal_id->goal_schedule
- Goal id ->goal time
- Goal id ->goal type
- Goal_id -> goal_half
- Goal id ->assisted by
- Goal id -> match number
- Goal_id ->scored_by

Since the determinant of every FD that holds on this relation is its primary key,this relation is in BCNF form.

8) Player

- Player id->name
- Player_id-> jersey_no
- Player id->nationality
- Player_id->age
- Player id->team name

Since the determinant of every FD that holds on this relation is its primary key,this relation is in BCNF form.

9) Position

Pid->description

Since the determinant of the only FD that holds on this relation is its primary key, this relation is in BCNF form.

10) Captain

- {player id, team id } -> start date
- {player_id, team_id } -> end_date

Since the determinant of every FD that holds on this relation is its primary key, this relation is in BCNF form.

11) Booking

- {match number,player id} ->booking time
- {match_number,player_id} -> booking_type
- {match number,player id} ->play schedule

Since the determinant of every FD that holds on this relation is its primary key,this relation is in BCNF form.

12) Substitution

- {player id out,match number} -> play schedule
- {player id out,match number} -> time in out
- {player id out,match number} -> player id in

Since the determinant of every FD that holds on this relation is its primary key, this relation is in BCNF form.

13) Has referee

{match_number, ref_licence_no }-> type
Since the determinant of every FD that holds on this relation is its primary key,this relation is in BCNF form.

14) Contact details

- Email -> team_name
- Email -> contact number

Since the determinant of every FD that holds on this relation is its primary key,this relation is in BCNF form.

15) Plays on

• No FDs are present.

Since it's a 2-attribute relation (both of which are a part of the primary key), it is in BCNF form.