FootyInsight

a 360° view of the soccer world—from countries to clubs to stats

Abhishek 2023026
Aditya Nuli 2023360
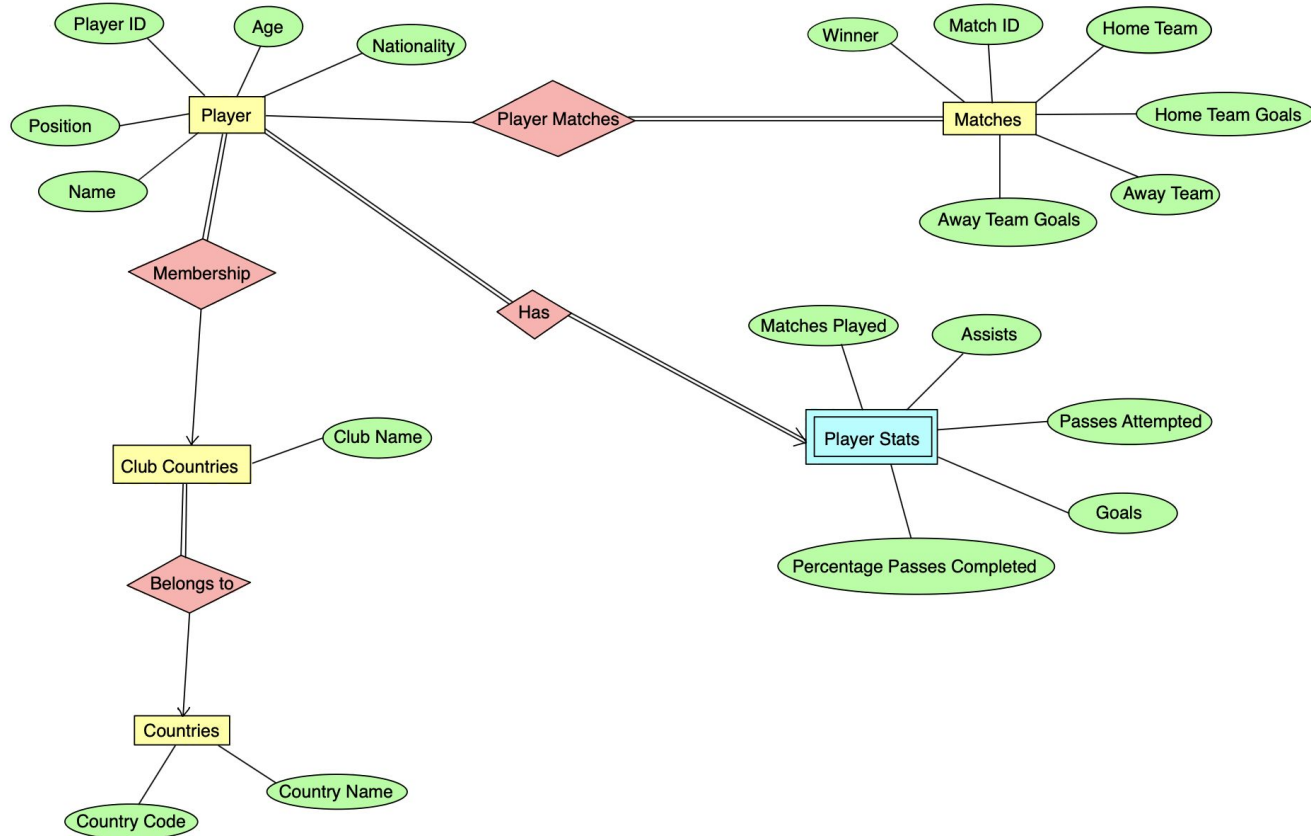Amar Anand 2023079
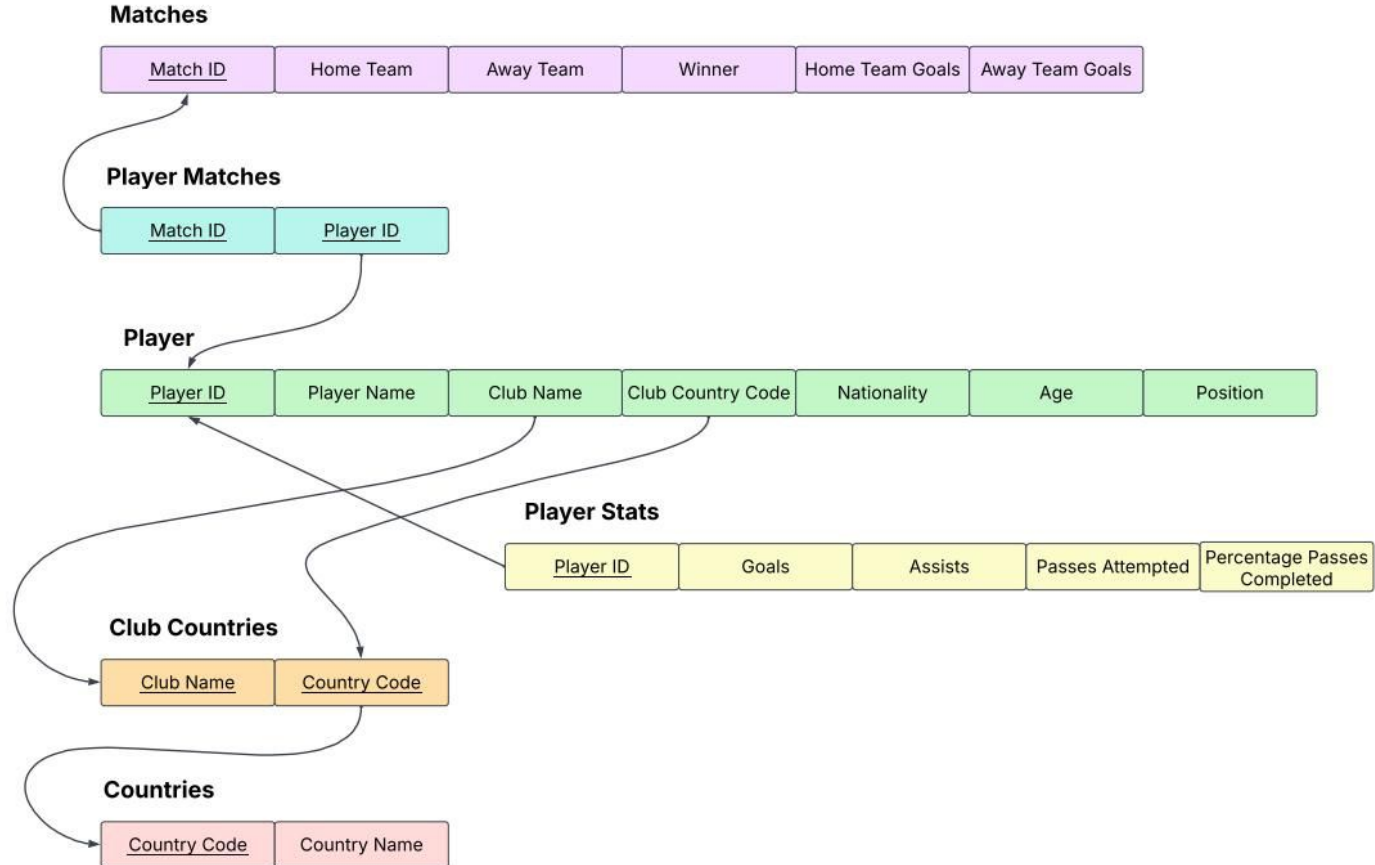Piyush Keshan 2023376

Project Business Requirements

1. Each player must have a membership to one club countries.
2. Each club country must belong to one country.
3. Each player has their own player stats.
4. Every match must be played at least one player.
5. Each player must have a unique player ID, age, playing position and nationality.
6. Matches consists of a unique match ID, winner, home team, away team, home team goals, away team goals.
7. Player stats of each player must have number of matches played by the player, number of goals and assists, passes attempted and percentage of passes completed.
8. Each country should have country code and country name.

ER Diagram

Relational Schema

Matches

Match ID	Home Team	Away Team	Winner	Home Team Goals	Away Team Goals

Player Matches

Match ID	Player ID

Player

Player ID	Player Name	Club Name	Club Country Code	Nationality	Age	Position

Player Stats

Player ID	Goals	Assists	Passes Attempted	Percentage Passes Completed

Club Countries

Club Name	Country Code

Countries

Country Code	Country Name

Features

1. **Comprehensive Match Records**
2. **Player Profiles & Career Stats**
3. **Club & Competition Hierarchy**
4. **Event-Level Detail**
5. **Head-to-Head & Historical Analysis**
6. **User-Defined Reports & Dashboards**

SQL Queries

1. List each club with the count of players and their average age
2. Get the total number of goals scored by players per club using player_stats
3. Find the top 5 players with the highest number of goals
4. Find the top 5 players with the most assists
5. Aggregate players by nationality: count players and total goals scored per nationality
6. Find players whose pass completion percentage is above the overall average
7. Count the number of wins per club
8. Calculate the average number of assists made by players for each club
9. List clubs that have at least one player older than the overall average age
10. Find players who have scored above the overall average number of goals
11. List each player along with the number of matches they played
12. List each player with their goal and assist totals along with their own nationality
13. List each match along with the total goals scored (home plus away)
14. Find the club with the highest average pass completion percentage among its players
15. List the names of players whose clubs have won at least one match

GUI

Queries

1. List each club with the count of players and their average age
2. Total number of goals scored by players per club
3. Top 5 players with the highest number of goals
4. Top 5 players with the most assists
5. Aggregate players by nationality: count players and total goals scored per nationality
6. Players whose pass completion is above the overall average
7. Count the number of wins per club
8. Average number of assists made by players for each club
9. List clubs with at least one player older than the overall average age
10. Players who have scored above the overall average number of goals
11. List each player along with the number of matches played
12. List each player with their goal and assist totals along with their nationality
13. List each match along with the total goals scored
14. Club with the highest average pass completion percentage among its players
15. List the names of players whose clubs have won at least one match

List each club with the count of players and their average age

Displays each club along with their player count and average age.

Filters

Select Club: All Clubs

[Run Query]

Query 1 Results

Club_Name	Number_Of_Players	Average_Age
Steaua București	3	38.67
Persepolis	3	37.33
Esteghlal	3	35.00
Valur	3	34.67
Barcelona	3	33.67
Galatasaray	3	33.67
Juventus	3	33.33
Real Madrid	3	33.00
Bayern Munich	3	33.00
Al Nassr	3	33.00
Marseille	3	32.67
Olympiacos	3	32.33
Brann	3	32.33
Al Ittihad	3	32.00
Újpest	3	32.00
Atletico Madrid	3	32.00
Rosenborg	3	31.67
Al Hilal	3	31.67
Boca Juniors	3	31.67
Besiktas	3	31.33
Peñarol	3	31.33
River Plate	3	31.33
Flamengo	3	31.33
AEK Athens	3	31.00