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Enterprise Description

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Spanish Soccer Premier League (La Liga) Database

The enterprise with the database being made is a directory for a professional soccer league called La Liga. La Liga is the top division professional soccer league in Spain. La Liga has many different components to it as well as even more components to those that come out of La Liga such as the clubs and the players. The league consists of 20 professional soccer clubs from various cities in Spain. Each club is registered in a specific city, has multiple players, one head coach, a stadium for home games, endorsements and a championship history. That brings us to having many different directions of describing the enterprise as there are many things we can describe. A player, then, has many attributes such as his name, date of birth, height, nationality, position, salary, their club affiliation, and statistics. There are four different positions which a player can be: Goalkeeper, Defender, Midfield, and Forward. The player’s salary, which will be shown in terms of how much they earn annually, is also how the players will be ranked value-wise. Players will also have statistics (stats) connected to them. The statistics followed will be games played (GP), goals, assists, saves (which will only pertain to goalkeepers), yellow cards and red cards. In order to record these statistics, there will be game cards for each and every single game that includes the date of the team, who the home team and away team were as well as the players that played along with any statistics that they may have gotten during that particular game. Clubs will also have a head coach, the person who manages the teams during practices and games. Head coaches will then have a salary of their own, nationality, date of birth and the club to which they pertain to. Going back to the clubs and their stadium, the stadium will have the city which it resides in, the club it belongs to and the capacity which it holds. There will be a championship history category where there will be clubs and the years in which championships were won.

When it comes to accessibility of the database, there will be three different types of access: Top Administrative, Single Team Administrative, and User. The Top Administrative access will be given to the manager of the database who will maintain all of the database when it comes to maintenance and errors as well as have the access to read, write, delete and edit all data in the database if needed. A representative of each club will be given the Single Team Administrative access where they will be able to access only their respective team and be able to read, write, delete and edit data such (e.g. player information, team information, statistics). Everyone else will go under the User access and will only be given read access as they will be able to access everything data in the database but not be able to create, delete, or edit as to avoid corruption of the data.

Questions/Queries:

How many *teams* are in La Liga?

How many players does *Real Madrid* have?

Who is the *Head Coach* of *Barcelona*?

Who has the most *Goals* on *Getafe*?

Who has the highest *Salary* in the La Liga?

Which *team* has the most league *championships*?

List all *Defenders* on *Valencia*

What is the *salary* of the *Head Coach* of *Sevilla*?

What is the *Stadium* of *Atletico Madrid*?

How many *fans* can the *Santiago Bernabeu* hold?

Which *Goalkeeper* has the most *saves*?

How many *Defenders* does *Villareal* have?

What is the *name* of the *player* with the biggest *salary* on *Real Madrid*?