**Project Title:**

La Liga Management System

**Project Abstract:**

La Liga Management Application is to show user the previous or upcoming fixtures, match details, top scorers of La Liga, player stats, team stats etc. That means it can provide the user all La Liga essential information in a nutshell. Everything is managed from the database.We need maintain stats of all teams, players by keeping track of all matches of going on in La Liga.

**Description on Project Working:**

If any match is rescheduled then it should be updated from the database. Again if a player or a team relegated from the league then we need to delete from the database as well. The database handled well in these cases. By keeping every detail of the matches we can provide a overview of these matches like goals, possessions, fouls.

User can also see the top scorers of a single season or multiple seasons choosing upon users choices. Same thing goes for fixture whether it is a upcoming match or previous one. They can also know about each coach managing a La Liga team. User can learn about team success in previous seasons & player stats upon their performances in last seasons also.

**Hardware and Software Requirements:**

**Hardware requirement:**

* OS: Window 7
* Hard Drive: 40GB
* RAM: 256 MB

**Software requirement:**

* Java language
* Net beans IDE 7.0.1
* MS SQL server 2005

**Limitation:**

* Online live score update
* Point Table manual update
* Only card fouls are included

**Future work:**

* Online live streaming
* Side by side website connection
* Point Table dynamic update
* Online live score update
* All leagues will be included

**Conclusion:**

We tried to make it user friendly as much as possible & future updates will all be handled by database so that all the information will generate dynamically like present features.

**Queries & Answers:**

1. Find top 2 goal scorers of La Liga.

Ans: SELECT player.player\_name as Player, SUM(player\_stats.goals)as Goals FROM player INNER JOIN player\_stats ON player.player\_id = player\_stats.player\_id GROUP BY player\_stats.player\_id ORDER BY SUM(player\_stats.goals) DESC LIMIT 2;

1. Find top 2 players of Real Madrid who concede most yellow cards in La Liga.

Ans: SELECT player.player\_name as Player, SUM(player\_stats.yellow\_card)as Cards FROM player INNER JOIN player\_stats ON player.player\_id = player\_stats.player\_id INNER JOIN team ON team.team\_id = player.team\_id WHERE team.team\_name = “Real Madrid” GROUP BY player\_stats.player\_id ORDER BY SUM(player\_stats.yellow\_card) DESC LIMIT 2;

1. Find all goalkeepers of Barcelona.

Ans: SELECT player.player\_name as Player FROM player INNER JOIN team ON team.team\_id = player.team\_id WHERE player.player\_position = “Goalkeeper” AND team.team\_name = “Barcelona”

1. Find upcoming 5 match fixtures of La Liga.

Ans: SELECT schedules.play\_datehomeTeam.team\_name as Home,AwayTeam.team\_name as Away, time\_slot.start\_time, matchplay.stadium\_name FROM schedules INNER JOIN time\_slot ON schedules.time\_slot\_id = time\_slot.time\_slot\_id INNER join matchplay ON schedules.match\_id = matchplay.match\_id INNER JOIN team as homeTeamon matchplay.home\_team\_id = homeTeam.team\_id INNER JOIN team as AwayTeam on matchplay.away\_team\_id = AwayTeam.team\_idWHERE schedules.play\_date>'2017-08-08' ORDER BY schedules.play\_date LIMIT 5;

1. Find previous 5 match fixtures of La Liga.

Ans: SELECT schedules.play\_date , homeTeam.team\_name as Home, AwayTeam.team\_name as Away, matchplay.score , matchplay.match\_id FROM schedules INNER join matchplayON schedules.match\_id = matchplay.match\_id INNER JOIN team as homeTeam on matchplay.home\_team\_id = homeTeam.team\_id INNER JOIN team as AwayTeam on matchplay.away\_team\_id = AwayTeam.team\_id WHERE schedules.play\_date<'2017-08-08' ORDER BY schedules.play\_dateLIMIT 5;

1. Find the goal scorers of Real Madrid vs Malaga.

Ans: SELECT player.player\_name , goals.goal\_time, team.team\_name FROM goals INNER JOIN player on goals.player\_id = player.player\_id INNER JOIN matchplay ON goals.match\_id = matchplay.match\_id INNER JOIN team ON goals.team\_id = team.team\_id"

WHERE matchplay.home\_team\_id = ( SELECT team.team\_id FROM team WHERE team.team\_name = “Real Madrid” )

AND matchplay.away\_team\_id = ( SELECT team.team\_id FROM team WHERE team.team\_name = “Malaga” );

1. Find all Argentine coach in La Liga.

Ans: SELECT coach.coach\_name as Coach, team.team\_name as Team FROM coach INNER JOIN team on team.coach\_id = coach.coach\_id WHERE coach.nationality = “Argentine”;

1. Find upcoming 3 matches of Barcelona.

Ans: SELECT schedules.play\_date , homeTeam.team\_name as Home, AwayTeam.team\_name as Away ,time\_slot.start\_time , matchplay.stadium\_name FROM schedules INNER JOIN time\_slot ON schedules.time\_slot\_id = time\_slot.time\_slot\_id INNER join matchplay ON schedules.match\_id = matchplay.match\_id INNER JOIN team as homeTeam on matchplay.home\_team\_id = homeTeam.team\_id INNER JOIN team as AwayTeam on matchplay.away\_team\_id = AwayTeam.team\_id WHERE schedules.play\_date >'2017-08-10' AND ( homeTeam.team\_name = “Barcelona” OR AwayTeam.team\_name = “Barcelona”) ORDER BY schedules.play\_date LIMIT 3;

1. Find stadium details of Real Madrid.

Ans: SELECT stadium.stadium\_name, city, capacity FROM stadium INNER JOIN team on team.stadium\_name = stadium.stadium\_name WHERE team.team\_name = “Real Madrid”;

10.Find the 3 teams which have maximum possesion in their home ground.

Ans: SELECT Team , possesion FROM ( SELECT AVG(match\_details.home\_pos) AS possesion ,team.team\_name as Team FROM match\_details INNER JOIN matchplay ON matchplay.match\_id = match\_details.match\_id INNER JOIN team ON matchplay.home\_team\_id = team.team\_id GROUP BY team.team\_id )AS myalias ORDER BY possesion DESC limit 3;