

**CSE302: Database Systems (Section 01)**

**[FALL 2022]**

**Project Report**

FIFA WORLD CUP 2022

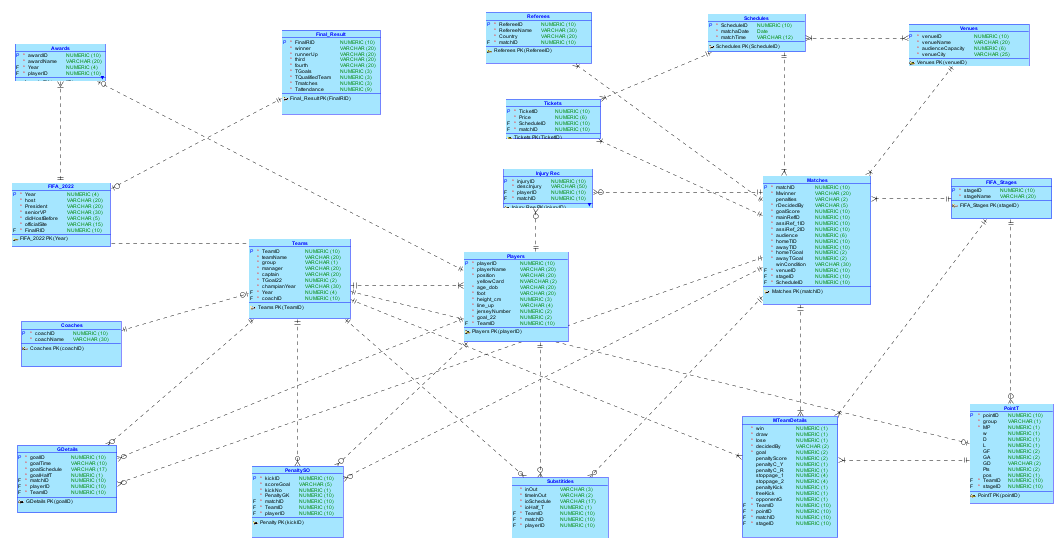
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**Submitted by:**

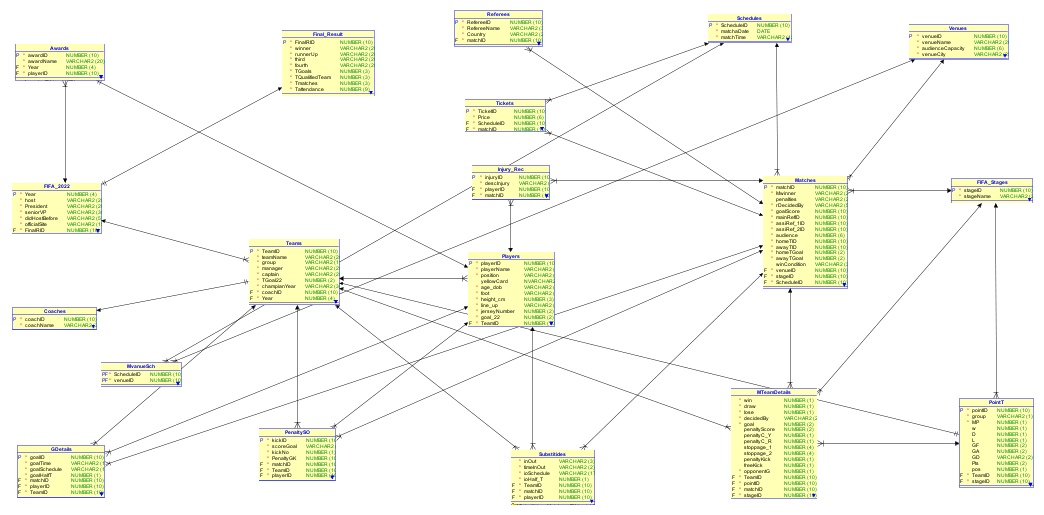
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| --- | --- | --- |
| **Student ID** | **Student Name** | **Contribution Percentage** |
| **2020-1-60-181** | **Mariya Rahman Momo** | **35%** |
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# E-R Model of the Project

Assumptions: Here, we assumed MTeamDetails and Substitutes entity set are the weak entity set. A coach may not be assigned to a team but a team must have a couch. A FinalResult may not be the final result of FIFA2022 (assumed that the FinalReault entity set contents the final result of some other FIFA world cups).



# Relational Data Model of the Project



1. Complete Schema

Players (playerID, playerName, position, yellowCard, age\_dob, foot, height\_cm, line\_up, jerseyNumber, goal\_22, teamID)

Matches (matchID, Mwinner, penalties, rDecidedBy, goalScore, mainRefID, assiRef\_1ID, assiRef\_2ID, audience, homeTID, awayTID, homeTGoal, awayTGoal, winCondition, venueID, stageID, scheduleID)

FIFA\_Stage (stageID, stageName)

Awards (awardID, awardName, year, playerID)

FIFA\_2022 (year, host, president, seniorVP, didHostBefore, officialSite, finalRID)

Teams (teamID, teamName, group, manager, captain, TGoal22, champianYear, year, coachID)

Final\_Result (finalRID, winner, runnerUp, third, fourth, TGoals, TQualifiedTeam, Tmatches, Tattendence)

Referees (refereeID, refereeName, country, matchID)

Tickets (ticketID, price, scheduleID, matchID)

Schedules (scheduleID, matchdate, matchTime)

Venues (venueID, venueName, audienceCapacity, venueCity)

Coaches (coachID, coachName)

GDetails (goalID, goalTime, goalschedule, goalHalfT, matchID, playerID, teamID)

PenaltySO (kickID, scoreGoal, kickNo, penaltyGK, matchID, teamID, playerID)

Substitutes (inOut, timeInOut, ioSchedule, ioHalf\_T, teamID, matchID, playerID)

MTeamDetails (win, draw, lose, decidedBy, goal, penaltyScore, penaltyC\_Y, penaltyC\_R, stoppage\_1, stoppage\_2, penaltyKick, freeKick, opponentG, teamID, pointID, matchID, stageID)

Injury\_Rec (injuryID, descInjury, playerID, matchID)

PointT (pointID, group, MP, W, D, L, GF, GA, GD, Pts, Pos, teamID, stageID)

MvenueSCH (scheduleID, venueID)