Group -15

P2 Corrigendum

Recommendations by Professor on P2-
Following recommendations were mentioned by the professor on our P2 model which has been implemented in our final P3 E-R model.

1. Addition of attributes for more realistic models.
2. Addition of time components on teams, coaches, ownership etc.
3. Matches need FK for teams playing.

1. **Addition of attributes-** New attributes have been added under many entities to make the E-R model realistic.

S.No	Entity	Attributes from P2	Additional attributes added for P3
1.	Team	Name, Rank	City, address, contact
2.	Venue	VenueName, VenueAddress,FieldSize	Capacity, SurfaceType
3.	Player	PlayerName, DateofBirth, Gender, PlayerType, NoOfGoals, NoOfYellowCard, NoOfRedCard	Nationality , ContractStartDate, ContractEndDate
4.	Coach	TeamName, Name, PhoneNumber	Nationality , ContractStartDate, ContractEndDate
5.	Defender	NoOfTackles	Speed, strength
6.	MidFielder	DominantLeg, NoOfAssist	Tackling, FreeKicks
7.	GoalKeeper	NoOfSaves	FreeKicks, PenalitiesSaved
8.	Attack	DominantLeg, NoOfPenalitiesScored	Speed, Finishing

2. **Modification in attributes-** Attributes of few entities have been modified to fit the new realistic E-R model.

S.No	Entity	Attributes in P2	Modified attributes for P3
1.	Match	Score, WinTeam, LosingTeam, MatchTime	LosingTeamScore, WinTeamScore, ExtraTime

3. **Addition of New Entity-** New entity has been added in the E-R model.
   a. A Goal entity with the attributes of Time has been added in the model having GoalID as primary key and MatchID, PlayerID as foreign key.

4. **Addition of Time component-** Time component has been added in the SponsoredBy, Match, Coach, Player, Goal entities of the E-R model.

5. **Addition of Foreign Keys-** Additional foreign keys have been added in the E-R table for better linkages/referencing with other tables.

S.No	Entity	FK in P2	additional/modified FK in P3
1.	Team	nil	VenueID
2.	Match	CommitteeID, RefreeID, VenueID	WinTeam(TeamID), LosingTeam(TeamID)
3.	Goal	nil	MatchID, PlayerID

Updated ER-Diagram

Sponsorer
PK	SponsorerID
	Name
	BrandName

Owner
PK	OwnerID
FK	TeamID
	OwnerName
	OwnerAddress
	OwnerEmailID

Coach
PK	CoachID
FK	TeamID
	Team_Name
	Name
	PhoneNumber
	Contract-Start_date
	Contract_End_date
	Nationality

Defender (D)
PK	PlayerID
	NoOfTackles
	Speed
	Strength

MidFielder (M)
PK	PlayerID
	DominantLeg
	NoOfAssist
	Tackling
	FreeKicks

Sponsored By
ID
contractSigned_Date
FK - TeamID
FK - SponsorerID

Team
PK	TeamID
FK	VenueID
	Name
	Rank
	City
	address
	contact

Player
PK	PlayerID
FK	TeamID
	PlayerName
	DateofBirth
	Gender
	Nationality
	PlayerType (M,G,A,D)
	NoOfGoals
	NoOfYellowCard
	NoOfRedCards
	Contract_Start_Date
	Contract_End_Date

Player Type   d

Goalkeeper (G)
PK	PlayerID
	NoOfSaves
	FreeKicks
	Penalties_saved

Attack (A)
PK	PlayerID
	DominantLeg
	NoOfPenaltiesScored
	Speed
	Speed
	Finishing

Match
PK	MatchID
FK	CommitteeID
FK	RefereeID
FK	VenueID
FK	Win Team (TeamID)
FK	Losing Team (TeamID)
	LoosingTeam Score
	Win Team Score
	Extra_Time

Venue
PK	VenueID
	VenueName
	VenueAddress
	Field_Size
	Capacity
	Surface_type

Goal
PK	GoalID
FK	MatchID
FK	PlayerID
	Time

Organising Committee
PK	CommitteeID
	CommitteeName
	CommitteePresident
	OfficeAdddress

Referee
PK	RefereeID
	Country
	Name

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