

Football matches ERD V.3

Logical database model documentation

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1. Model details

Model name:

Football matches ERD V.3

Version:

1.0

Description:

2. Entities

2.1. Entity Matches

2.1.1. Attributes

Attribute name	Type	Is mandatory	Is primary identifier	Description
match_id	Varchar(20)	yes	yes	
match_time	Timestamp	yes	no	

2.2. Entity Teams

2.2.1. Attributes

Attribute name	Type	Is mandatory	Is primary identifier	Description
team_id	Varchar(20)	yes	yes	
team_name	Varchar(20)	yes	no	

2.3. Entity Referees

2.3.1. Attributes

Attribute name	Type	Is mandatory	Is primary identifier	Description
referee_id	Varchar(20)	yes	yes	
referee_name	Varchar(20)	yes	no	
referee_nationality	Varchar(20)	yes	no	
birth_date	Date	no	no	

2.4. Entity Coaches

2.4.1. Attributes

Attribute name	Type	Is mandatory	Is primary identifier	Description
coach_id	Varchar(20)	yes	yes	
coach_name	Varchar(20)	yes	no	
birth_date	Date	no	no	

2.5. Entity Stadiums

2.5.1. Attributes

Attribute name	Type	Is mandatory	Is primary identifier	Description
stadium_id	Varchar(20)	yes	yes	
stadium_location	Varchar(20)	yes	no	
stadium_name	Varchar(20)	yes	no	
stadium_capacity	Integer	no	no	

2.6. Entity Goals

2.6.1. Attributes

Attribute name	Type	Is mandatory	Is primary identifier	Description
goal_id	Varchar(20)	yes	yes	
goal_minute	Integer	yes	no	

2.7. Entity Players

2.7.1. Attributes

Attribute name	Type	Is mandatory	Is primary identifier	Description
player_id	Varchar(20)	yes	yes	
player_name	Varchar(20)	yes	no	
player_position	Varchar(20)	no	no	
birth_date	Date	yes	no	

3. Entity relationships

3.1. Entity relationship Players_Teams

Teams	1..*	Players
	<->	

3.2. Entity relationship Referees_Matches

Matches	*..*	Referees
	<->	

3.3. Entity relationship Teams_Coaches

Coaches	1..1	Teams
	<->	

3.4. Entity relationship Matches_Stadiums

Stadiums	1..*	Matches
	<->	

3.5. Entity relationship Goals_Players

Players	1..*	Goals
	<->	

3.6. Entity relationship Matches_Teams

Teams	*..*	Matches
	<->	

