***Soccer Data Dictionary***

Table: Coach

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Column Name | Description | Data Type | Size | Identity | Unique | Default | Rule | Check | Allow Nulls | Index |
| **CoachID** | PK: unique sequential Coach ID number | Int |  | Y | Y |  |  |  |  | Y |
| First | First name of coach | Nvarchar | 50 |  |  |  |  |  |  |  |
| Last | Last name of coach | Nvarchar | 50 |  |  |  |  |  |  |  |
| Street | Street address of coach | Nvarchar | Max |  |  |  |  |  |  |  |
| City | City of coach | Nvarchar | Max |  |  | City default |  |  |  |  |
| State | State of coach | Char | 2 |  |  | State default |  | Like ‘[A-Z] [A-Z]’ |  |  |
| Zip | Zip of coach | varchar | 15 |  |  |  |  |  |  |  |
| CoachPhone | Phone number of coach | varchar | 20 |  |  |  |  |  |  |  |

Table: CoachRoles

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Column Name | Description | Data Type | Size | Identity | Unique | Default | Rule | Check | Allow Nulls | Index |
| **CoachID** | CPK: FK to the coach | int |  |  |  |  |  |  |  | Y |
| **Role** | CPK: to the coach table | char | 2 |  |  |  |  | Like ‘HC’  Like ‘VC’  Like ‘AC’ |  | Y |
| Season | Season they coached in | char | 15 |  |  |  |  |  |  |  |

Table: In charge of

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Column Name | Description | Data Type | Size | Identity | Unique | Default | Rule | Check | Allow Nulls | Index |
| **CoachID** | CPK:FK to the coach table | Int |  |  |  |  |  |  |  | Y |
| **TeamID** | CPK:FK to the team table | Int |  |  |  |  |  |  |  | Y |
| **Season** | CPK:The season | char | 15 |  |  |  |  |  |  | Y |

Table: Team

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Column Name | Description | Data Type | Size | Identity | Unique | Default | Rule | Check | Allow Nulls | Index |
| **TeamID** | PK: unique sequential Team ID number | Int |  | Y | Y |  |  |  |  | Y |
| TeamName | Name of the team | nvarchar | 25 |  |  |  |  |  |  |  |
| Season | Season the team played in | char | 15 |  |  |  |  |  |  |  |
| **CoachID** | FK to coach table | Int |  |  |  |  |  |  |  | Y |
| **MatchID** | FK to match table | int |  |  |  |  |  |  |  | Y |

Table: Plays in

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Column Name | Description | Data Type | Size | Identity | Unique | Default | Rule | Check | Allow Nulls | Index |
| **TeamID** | CPK:FK to Team table | Int |  |  |  |  |  |  |  | Y |
| **MatchID** | CPK:FK to Match table | Int |  |  |  |  |  |  |  | Y |
| **Goals Scored** | CPK: Goals scored in the match | numeric | (18,0) |  |  |  |  |  |  | Y |
| Result | Result of the match | char | 2 |  |  |  |  |  |  |  |

Table: Assigned to

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Column Name | Description | Data Type | Size | Identity | Unique | Default | Rule | Check | Allow Nulls | Index |
| **PlayerID** | CPK:FK to Player table | Int |  |  |  |  |  |  |  | Y |
| **MatchID** | CPK:FK to Match table | Int |  |  |  |  |  |  |  | Y |
| **Season** | CPK: The season | int |  |  |  |  |  |  |  | Y |

Table: Player

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Column Name | Description | Data Type | Size | Identity | Unique | Default | Rule | Check | Allow Nulls | Index |
| **PlayerID** | PK: unique sequential Player ID number | Int |  | Y | Y |  |  |  |  | Y |
| First | First name of player | nvarchar | 20 |  |  |  |  |  |  |  |
| Last | Last name of player | Nvarchar | 20 |  |  |  |  |  |  |  |
| Street | Street address of player | nvarchar | Max |  |  |  |  |  |  |  |
| City | City of player | Nvarchar | Max |  |  | City default |  |  |  |  |
| State | State of player | char | 2 |  |  | State default |  | Like ‘[A-Z] [A-Z]’ |  |  |
| Zip | Zip of player | Nvarchar | 15 |  |  |  |  |  |  |  |
| Parent Name | Parent name of player | Nvarchar | 20 |  |  |  |  |  |  |  |
| Parent No | Parent phone number | varchar | 20 |  |  |  | Phone  rule |  |  |  |
| Player No | Player phone number | Varchar | 20 |  |  |  | Phone  rule |  |  |  |
| Parent Email | Parent email | Varchar | Max |  |  |  |  |  |  |  |
| DOB | Player date of birth | Date |  |  |  | Getdate() |  |  |  |  |
| Age | Player age |  |  |  |  |  |  |  | Y |  |

Table: Participates in

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Column Name | Description | Data Type | Size | Identity | Unique | Default | Rule | Check | Allow Nulls | Index |
| **MatchID** | CPK:FK to Match table | Int |  |  |  |  |  |  |  | Y |
| **PlayerID** | CPK:FK to Player table | int |  |  |  |  |  |  |  | Y |
| **Penalties** | CPK: Penalties called in match | numeric | (18,0) |  |  |  |  |  |  | Y |
| Goals Scored | Goals scored by player in match | numeric | (18,0) |  |  |  |  |  |  |  |
| Minutes Played | Minutes played by player in match | datetime |  |  |  |  |  |  |  |  |
| Season | Season participated in | char | 15 |  |  |  |  |  |  |  |

Table: Match

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Column Name | Description | Data Type | Size | Identity | Unique | Default | Rule | Check | Allow Nulls | Index |
| **MatchID** | PK: unique sequential Match ID number | int |  | Y | Y |  |  |  |  | Y |
| Date | Date of match | date |  |  |  |  |  |  |  |  |
| **RefereeID** | FK: To the Referee table | int |  |  |  |  |  |  |  | Y |
| **Season** | The season, that the match was in | char | 15 |  |  |  |  |  |  |  |
| **FeildID** | FK: to field table | int |  |  |  |  |  |  |  | Y |

Table: Field

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Column Name | Description | Data Type | Size | Identity | Unique | Default | Rule | Check | Allow Nulls | Index |
| **FieldID** | PK: unique sequential Field ID number | int |  | Y | Y |  |  |  |  | Y |
| First | First name of field | nvarchar | max |  |  |  |  |  |  |  |
| Last | Last name of field | nvarchar | Max |  |  |  |  |  |  |  |
| Street | Street address of field | nvarchar | Max |  |  |  |  |  |  |  |
| City | City of field | nvarchar | Max |  |  | City default |  |  |  |  |
| State | State of field | char | 2 |  |  | State default |  | Like ‘[A-Z] [A-Z]’ |  |  |
| Zip | Zip of field | varchar | 15 |  |  |  |  |  |  |  |
| Season | season played on the field | char | 15 |  |  |  |  |  |  |  |

Table: Banner

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Column Name | Description | Data Type | Size | Identity | Unique | Default | Rule | Check | Allow Nulls | Index |
| **SponsorID** | CPK:FK To sponsor table | Int |  |  |  |  |  |  |  | Y |
| **FieldID** | CPK:FK To field table | int |  |  |  |  |  |  |  | Y |
| **Season** | CPK: The season | int |  |  |  |  |  |  |  | Y |

Table: Sponsor

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Column Name | Description | Data Type | Size | Identity | Unique | Default | Rule | Check | Allow Nulls | Index |
| **SponsorID** | PK: unique sequential Sponsor ID number | Int |  | Y | Y |  |  |  |  | Y |
| Name | Name of sponsor | nvarchar | 20 |  |  |  |  |  |  |  |
| **TeamID** | FK: To team table | int |  |  |  |  |  |  |  | Y |

Table: Has

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Column Name | Description | Data Type | Size | Identity | Unique | Default | Rule | Check | Allow Nulls | Index |
| **FieldID** | CPK:FK To field table | Int |  |  |  |  |  |  |  | Y |
| **VendorID** | CPK:FK To vendor table | Int |  |  |  |  |  |  |  | Y |
| **Season** | CPK: The season | char | 15 |  |  |  |  |  |  | Y |

Table: Vendor

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Column Name | Description | Data Type | Size | Identity | Unique | Default | Rule | Check | Allow Nulls | Index |
| **VendorID** | PK: unique sequential Vendor ID number |  |  | Y | Y |  |  |  |  | Y |
| First | Name of vendor | nvarchar | 20 |  |  |  |  |  |  |  |
| Last | Last name of vendor | nvarchar | 20 |  |  |  |  |  |  |  |
| Phone | Phone of vendor | varchar | 20 |  |  |  | Phone rule |  |  |  |

Table: Vendor Type

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Column Name | Description | Data Type | Size | Identity | Unique | Default | Rule | Check | Allow Nulls | Index |
| **VendorID** | CPK:FK To vendor table | int |  |  |  |  |  |  |  | Y |
| **Type** | CPK: To vendor table | Char | 2 |  |  |  |  |  |  | Y |

Table: Referee

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Column Name | Description | Data Type | Size | Identity | Unique | Default | Rule | Check | Allow Nulls | Index |
| **RefereeID** | PK: unique sequential Referee ID number | Int |  | Y | Y |  |  |  |  | Y |
| First | First name of ref | Nvarchar | 20 |  |  |  |  |  |  |  |
| Last | Last name of ref | Nvarchar | 20 |  |  |  |  |  |  |  |
| Street | Street address of ref | Nvarchar | Max |  |  |  |  |  |  |  |
| City | City of ref | Nvarchar | Max |  |  | City default |  |  |  |  |
| State | State of ref | Char | 2 |  |  | State default |  | Like ‘[A-Z] [A-Z]’ |  |  |
| Zip | Zip of ref | Nvarchar | 15 |  |  |  |  |  |  |  |
| Phone | Phone of ref | Varchar | 20 |  |  |  | Phone rule |  |  |  |
| Email | Email of ref | nvarchar | Max |  |  |  |  |  |  |  |
| **MentorID** | FK: Mentor of referees | int |  |  |  |  |  |  |  | Y |

Table: Referee Position

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Column Name | Description | Data Type | Size | Identity | Unique | Default | Rule | Check | Allow Nulls | Index |
| **RefereeID** | CPK: FK To referee table | Int |  |  |  |  |  |  |  | Y |
| **Position** | CPK: To referee table | char | 2 |  |  |  |  |  |  | Y |

Soccer Database Diagram



