Neha Thota

Data Dictionary

11/2/2020

ISM4212: Database Administration/ Design

1. 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 |
| FirstName | First name of the coach | nvarchar | 50 |  |  |  |  |  |  |  |
| LastName | Last name of the coach | nvarchar | 50 |  |  |  |  |  |  |  |
| Street | Street of the coach | nvarchar | MAX |  |  |  |  |  |  |  |
| City | City of the coach | nvarchar | 50 |  |  |  |  |  |  |  |
| State | State of the coach | nvarchar | 50 |  |  |  |  | LIKE ‘[A-Z] [A-Z]’ |  |  |
| Zip | Zip code of the coach | nvarchar | 20 |  |  |  |  | LIKE ‘[0-9] [0-9] [0-9] [0-9] [0-9]’ |  |  |
| Phone | Phone number of the coach | nvarchar | 20 |  |  |  |  |  | Y |  |
| Email | Email of the coach | nvarchar | MAX |  |  |  |  |  | Y |  |

1. Table: CoachAssignment

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Column Name** | **Description** | **Data Type** | **Size** | **Identity** | **Unique** | **Default** | **Rule** | **Check** | **Allow Nulls** | **Index** |
| AssignmentID | **PK**; Unique sequential assignment ID number | int |  | Y | Y |  |  |  |  | Y |
| Role | Role of the assigned coach | char | 20 |  |  |  |  | [Role] = (‘HC’)  OR  [Role] = (‘AC’) OR  [Role] = (‘VC’) | Y |  |
| Season | Season of the assigned coach | nvarchar | 50 |  |  |  |  |  | Y |  |
| TeamID | **FK** to Team; Unique Team ID number | int |  |  |  |  |  |  |  | Y |
| CoachID | **FK** to Coach; Unique Coach ID number | int |  |  |  |  |  |  |  | Y |

1. 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 |
| Name | Name of the team | nvarchar | 50 |  |  |  |  |  |  |  |
| Captain | **FK** to Player; synonym of PlayerID, Captain of the team | int |  |  |  |  |  |  |  | Y |

1. Table: PlayerTeam

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Column Name** | **Description** | **Data Type** | **Size** | **Identity** | **Unique** | **Default** | **Rule** | **Check** | **Allow Nulls** | **Index** |
| DraftID | **PK**; Unique sequential draft number | int |  | Y | Y |  |  |  |  | Y |
| Season | Season of Team playing | nvarchar | 50 |  |  |  |  |  | Y |  |
| PlayerID | **FK** to Player; Unique player ID number | int |  |  |  |  |  |  |  | Y |
| TeamID | **FK** to Team; Unique team ID number | int |  |  |  |  |  |  |  | Y |

1. Table: TeamMatch

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Column Name** | **Description** | **Data Type** | **Size** | **Identity** | **Unique** | **Default** | **Rule** | **Check** | **Allow Nulls** | **Index** |
| TeamID | **FK** to Team and **CPK**; Unique team ID number | int |  |  |  |  |  |  |  | Y |
| MatchID | **FK** to Match and **CPK**; Unique match ID number | int |  |  |  |  |  |  |  | Y |
| Goals | **CPK**; Goals of the team in the match | nvarchar | 50 |  |  |  |  |  |  |  |
| Result | Result of the team in the match | nvarchar | 50 |  |  |  |  |  | Y |  |

1. Table: TeamSponsorship

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Column Name** | **Description** | **Data Type** | **Size** | **Identity** | **Unique** | **Default** | **Rule** | **Check** | **Allow Nulls** | **Index** |
| SponsorshipID | **PK**; Unique sequential sponsorship number | int |  | Y | Y |  |  |  |  | Y |
| Season | Season of the team sponsorship | nvarchar | 50 |  |  |  |  |  | Y |  |
| SponsorID | **FK** to Sponsor; Unique sponsor ID number | int |  |  |  |  |  |  |  | Y |
| TeamID | **FK** to Team; Unique team ID number | int |  |  |  |  |  |  |  | Y |

1. 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 |
| FirstName | First name of the player | nvarchar | 50 |  |  |  |  |  |  |  |
| LastName | Last name of the player | nvarchar | 50 |  |  |  |  |  |  |  |
| Street | Street of the player | nvarchar | MAX |  |  |  |  |  |  |  |
| City | City of the player | nvarchar | 50 |  |  |  |  |  |  |  |
| State | State of the player | nvarchar | 50 |  |  |  |  | LIKE ‘[A-Z] [A-Z]’ |  |  |
| Zip | Zip code of the player | nvarchar | 20 |  |  |  |  | LIKE ‘[0-9] [0-9] [0-9] [0-9] [0-9]’ |  |  |
| DOB | DOB of the player | date |  |  |  |  |  | >=GETDATE() | Y |  |
| Age | Age of the player is calculated from the DOB |  |  |  |  |  |  | (datediff(year,[dob],getdate())) | Y |  |
| PlayerPhone | Phone number of the player | nvarchar | 20 |  |  |  |  |  | Y |  |
| ParentName | Name of the player’s parent | nvarchar | 50 |  |  |  |  |  | Y |  |
| ParentPhone | Phone number of the player’s parent | nvarchar | 20 |  |  |  |  |  | Y |  |
| ParentEmail | Email of the player’s parent | nvarchar | MAX |  |  |  |  |  | Y |  |

1. Table: PlayerPerformance

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Column Name** | **Description** | **Data Type** | **Size** | **Identity** | **Unique** | **Default** | **Rule** | **Check** | **Allow Nulls** | **Index** |
| PlayerID | **FK** to Player and **CPK**; Unique player ID number | int |  |  |  |  |  |  |  | Y |
| MatchID | **FK** to Match and **CPK**; Unique match ID number | int |  |  |  |  |  |  |  | Y |
| Minutes | **CPK**; Minutes of the player performance | time |  |  |  |  |  | LIKE ‘[MM:SS]’ |  |  |
| Goals | Goals of the player | nvarchar | 50 |  |  |  |  |  | Y |  |
| Penalties | Penalties of the player | nvarchar | 50 |  |  |  |  |  | Y |  |

1. 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 the match | date |  |  |  |  |  | >=GETDATE() | Y |  |
| FieldID | **FK** to Field; Unique field ID number | int |  |  |  |  |  |  |  | Y |

1. 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 the sponsor | nvarchar | 50 |  |  |  |  |  |  |  |

1. Table: FieldSponsorship

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Column Name** | **Description** | **Data Type** | **Size** | **Identity** | **Unique** | **Default** | **Rule** | **Check** | **Allow Nulls** | **Index** |
| SponsorID | **FK** to Sponsor and **CPK**; Unique sponsor ID number | int |  |  |  |  |  |  |  | Y |
| FieldID | **FK** to Field and **CPK**; Unique field ID number | int |  |  |  |  |  |  |  | Y |
| Season | **CPK**; Season of the field sponsorship | nvarchar | 50 |  |  |  |  |  |  |  |

1. Table: RefereeAssignment

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Column Name** | **Description** | **Data Type** | **Size** | **Identity** | **Unique** | **Default** | **Rule** | **Check** | **Allow Nulls** | **Index** |
| MatchID | **FK** to Match and **CPK**; Unique match ID number | int |  |  |  |  |  |  |  | Y |
| RefereeID | **FK** to Referee and **CPK**; Unique referee ID number | int |  |  |  |  |  |  |  | Y |
| Position | **CPK**; Position of the referee in the match | char | 10 |  |  |  |  | [Position] = (‘H’)  OR  [Position] = (‘L’) |  |  |

1. 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 |
| FirstName | First name of the referee | nvarchar | 50 |  |  |  |  |  |  |  |
| LastName | Last name of the referee | nvarchar | 50 |  |  |  |  |  |  |  |
| Street | Street of the referee | nvarchar | MAX |  |  |  |  |  |  |  |
| City | City of the referee | nvarchar | 50 |  |  |  |  |  |  |  |
| State | State of the referee | nvarchar | 50 |  |  |  |  | LIKE ‘[A-Z] [A-Z]’ |  |  |
| Zip | Zip code of the referee | nvarchar | 20 |  |  |  |  | LIKE ‘[0-9] [0-9] [0-9] [0-9] [0-9]’ |  |  |
| Phone | Phone number of the referee | nvarchar | 20 |  |  |  |  |  | Y |  |
| Email | Email of the referee | nvarchar | MAX |  |  |  |  |  | Y |  |
| MentorID | **FK** to Referee; Unique referee ID number | int |  |  |  |  |  |  | Y |  |

1. 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 |
| Name | Name of the field | nvarchar | 50 |  |  |  |  |  |  |  |
| Street | Street of the field | nvarchar | MAX |  |  |  |  |  |  |  |
| City | City of the field | nvarchar | 50 |  |  |  |  |  |  |  |
| State | State of the field | nvarchar | 50 |  |  |  |  | LIKE ‘[A-Z] [A-Z]’ |  |  |
| Zip | Zip code of the field | nvarchar | 20 |  |  |  |  | LIKE ‘[0-9] [0-9] [0-9] [0-9] [0-9]’ |  |  |

1. Table: VendorContract

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Column Name** | **Description** | **Data Type** | **Size** | **Identity** | **Unique** | **Default** | **Rule** | **Check** | **Allow Nulls** | **Index** |
| ContractID | **PK**; Unique sequential contract ID number | int |  | Y | Y |  |  |  |  | Y |
| Season | Season of the vendor contract | nvarchar | 50 |  |  |  |  |  | Y |  |
| VendorID | **FK** to Vendor; Unique vendor ID number | int |  |  |  |  |  |  |  | Y |
| FieldID | **FK** to Field; Unique field ID number | int |  |  |  |  |  |  |  | Y |

1. Table: Vendor

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Column Name** | **Description** | **Data Type** | **Size** | **Identity** | **Unique** | **Default** | **Rule** | **Check** | **Allow Nulls** | **Index** |
| VendorID | **PK**; Unique sequential vendor ID number | int |  | Y | Y |  |  |  |  | Y |
| Name | Name of the vendor | nvarchar | 50 |  |  |  |  |  |  |  |
| Phone | Phone number of the vendor | nvarchar | 20 |  |  |  |  |  | Y |  |

1. Table: VendorType

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Column Name** | **Description** | **Data Type** | **Size** | **Identity** | **Unique** | **Default** | **Rule** | **Check** | **Allow Nulls** | **Index** |
| VendorID | **FK** to Vendor and **CPK**; Unique vendor ID number | int |  |  |  |  |  |  |  | Y |
| Type | **CPK**; Type of the vendor | nvarchar | 50 |  |  |  |  |  |  |  |