

(Microsoft SQL Server Notation)

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
FirstName	First name of the coach	nvarchar	100							
LastName	Last name of the coach	nvarchar	100							
Street	Street of the coach	nvarchar	100							
City	City of the coach	nvarchar	100							
State	State of the coach	char	2			FL **		[State] LIKE '[A-Z][A-Z]'		
Zip	Zip code of the coach	char	5					[Zip] LIKE '[0-9][0-9] [0-9][0-9][0-9][0-9]'		
Phone	Phone of the coach	nvarchar	13			'none provided'	Phone Rule *		Y	
Email	Email address of the coach	nvarchar	100							

Table: **CoachAssignment**

Column Name	Description	Data Type	Size	Identity	Unique	Default	Rule	Check	Allow Nulls	Index
AssignmentID	PK ; Unique sequential coach assignment ID number	int		Y						Y
Role	Role of the coach	char	2					[Role] = ('HC') OR [Role] = ('AC') OR [Role] = ('VC')		
Season	Season of the coach	nvarchar	10							
TeamID	FK to Team table	int								
CoachID	FK to Coach table	int								

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
Name	Name of the field	nvarchar	100							
Street	Street of the field	nvarchar	100							
City	City of the field	nvarchar	100							
State	State of the field	char	2			FL**		[State] LIKE '[A-Z][A-Z]'		
Zip	Zip code of the field	char	5					[Zip] LIKE '[0-9][0-9] [0-9][0-9][0-9][0-9]'		

Table: **FieldSponsorship**

Column Name	Description	Data Type	Size	Identity	Unique	Default	Rule	Check	Allow Nulls	Index
SponsorID	CPK ; PK to Sponsor table; SponsorID of the sponsors	int								
FieldID	CPK ; PK to Field table; FieldID of the field	int								
Season	CPK ; Name of the season	nvarchar	10							

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
Date	Date of the match	date								
FieldID	FK to the Field table	int								

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
FirstName	First name of the player	nvarchar	100							
LastName	Last name of the player	nvarchar	100							
Street	Street of the player	nvarchar	100							
City	City of the player	nvarchar	100							
State	State of the player	char	2			FL**		[State] LIKE '[A-Z][A-Z]'		
Zip	Zip code of the player	char	5					[Zip] LIKE '[0-9][0-9] [0-9][0-9][0-9][0-9]'		
DOB	Date of birth of the player	date								
Age	Age of the player, a derived value from the DOB column								Y	
PlayerPhone	Phone number of the player	nvarchar	13			'none provided'	Phone Rule *		Y	
ParentName	Name of the player's parent	nvarchar	100							
ParentPhone	Phone number of the player's parent	nvarchar	13			'none provided'	Phone Rule *		Y	
ParentEmail	Email address of the player's parent	nvarchar	100							

Table: **PlayerPerformance**

Column Name	Description	Data Type	Size	Identity	Unique	Default	Rule	Check	Allow Nulls	Index
PlayerID	CPK ; FK to the Player table	int								
MatchID	CPK ; FK to the Match table	int								
Minutes	Minutes the player played	int								
Goals	Goals the player scored	int								
Penalties	Penalties the player took	int								

Table: **PlayerTeam**

Column Name	Description	Data Type	Size	Identity	Unique	Default	Rule	Check	Allow Nulls	Index
DraftID	PK ; Unique sequential draft ID number	int		Y						Y
Season	Season the player plays in a team	nvarchar	10							
PlayerID	FK to the Player table	int								
TeamID	FK to the Team table	int								

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
FirstName	First name of the referee	nvarchar	100							
LastName	Last name of the referee	nvarchar	100							
Street	Street of the referee	nvarchar	100							
City	City of the referee	nvarchar	100							
State	State of the referee	char	2			FL**		[State] LIKE '[A-Z][A-Z]'		
Zip	Zip code of the referee	char	5					[Zip] LIKE '[0-9][0-9] [0-9][0-9][0-9][0-9]'		
Phone	Phone of the referee	nvarchar	13			'none provided'	Phone Rule *		Y	
Email	Email address of the referee	nvarchar	100							
MentorID	FK ; Recursive FK to the Referee table, Synonym for RefereeID	int							Y	

Table: RefereeAssignment

Column Name	Description	Data Type	Size	Identity	Unique	Default	Rule	Check	Allow Nulls	Index
MatchID	CPK; FK to the Match table	int								
RefereeID	CPK; FK to the Referee table	int								
Position	Position of the referee	char	1					[Position] = ('H') OR [Position] = ('L')		

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
Name	Name of the sponsor	nvarchar	100							

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
Name	Name of the team	nvarchar	100							
Captain	FK to the Player table, synonym of PlayerID	int								

Table: **TeamMatch**

Column Name	Description	Data Type	Size	Identity	Unique	Default	Rule	Check	Allow Nulls	Index
TeamID	CPK ; FK to the Team table	int								
MatchID	CPK ; FK to the Match table	int								
Goals	Goals the team scored in the match	int								
Result	Result of the match	nvarchar	4					[Result] = ('win') OR [Result] = ('loss')		

Table: **TeamSponsorship**

Column Name	Description	Data Type	Size	Identity	Unique	Default	Rule	Check	Allow Nulls	Index
SponsorshipID	PK ; Unique sequential sponsorship ID number	int		Y						Y
Season	Season of the sponsorship for a team	nvarchar	10							
SponsorID	FK to the Sponsor table	int								
TeamID	FK to the Team table	int								

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
Name	Name of the vendor	nvarchar	100							
Phone	Phone number of the vendor	nvarchar	13			'none provided'	Phone Rule *		Y	

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
Season	Season of the vendor's contract	nvarchar	10							
VendorID	FK to the Vendor table	int								
FieldID	FK to the Field table	int								

Table: **VendorType**

Column Name	Description	Data Type	Size	Identity	Unique	Default	Rule	Check	Allow Nulls	Index
VendorID	CPK ; FK to the Vendor table	int								
VendorType	CPK ; Type of vendor	nvarchar	50							

Rules:

Phone Rule* - '[0-9][0-9][0-9][-][0-9][0-9][0-9][-][0-9][0-9][0-9][0-9]'

Database Level Default for Nurse Table:

State – FL**