drop database project;

CREATE database project;

GO

--Need to make changes//need to check

CREATE TABLE [User] (

UserId INT PRIMARY KEY,

UserEmail NVARCHAR(255) NOT NULL,

FirstName NVARCHAR(100),

LastName NVARCHAR(100),

Password NVARCHAR(100) NOT NULL,

StreetName NVARCHAR(255),

State NVARCHAR(100),

Country NVARCHAR(100),

PostalCode NVARCHAR(20),

UserType NVARCHAR(50)

Check (UserType IN ('Viewer', 'TeamStaff', 'Admin')) --added the check contraint for viewer,teamstaff, admin

);

GO

--Done

-- Team table

CREATE TABLE Team (

TeamId INT PRIMARY KEY,

TeamName NVARCHAR(100),

TeamLocation NVARCHAR(100),

Sponsorship NVARCHAR(100)

);

GO

--Done

-- Skills table

CREATE TABLE Skills (

SkillId INT PRIMARY KEY,

SkillName NVARCHAR(100),

SkillDescription NVARCHAR(255)

);

GO

--Done

-- Admin table // we will write UDF function to get yearsofexperience from joining date

CREATE TABLE Admin (

AdminId INT PRIMARY KEY,

AdminRole NVARCHAR(100),

AdminPermissions NVARCHAR(100),

JoiningDate DATE,

YearsOfExperience INT,

LastLogin DATETIME

);

GO

--Done

-- Stadium table

CREATE TABLE Stadium (

StadiumId INT PRIMARY KEY,

StadiumName NVARCHAR(100),

Location NVARCHAR(100),

Capacity INT,

AdminId INT,

FOREIGN KEY (AdminId) REFERENCES Admin(AdminId)

);

GO

--Done

-- Viewer table

CREATE TABLE Viewer (

ViewerId INT PRIMARY KEY,

FavoriteTeam NVARCHAR(100),

LanguagePreference NVARCHAR(50),

FOREIGN KEY (ViewerId) REFERENCES [User](UserId)

);

GO

--Done

-- Team Staff table,//Need to check

CREATE TABLE TeamStaff (

StaffId INT PRIMARY KEY,

PlayingCountry NVARCHAR(100),

StaffType NVARCHAR(50) not NULL,

Check (StaffType IN ('Coach', 'Player')),

FOREIGN KEY (StaffId) REFERENCES [User](UserId)

);

GO

--Incomplete

-- Coach table //Need to check Staff should be used here

CREATE TABLE Coach (

CoachId INT PRIMARY KEY,

CoachingExperience INT,

Specialization NVARCHAR(100),

CoachingPhilosophy NVARCHAR(255),

FOREIGN KEY (CoachId) REFERENCES [User](UserId)

);

GO

--Incomplete

-- Player table //Need to check Staff should be used here

CREATE TABLE Player (

PlayerId INT PRIMARY KEY,

Position NVARCHAR(50),

IsSubstitute BIT,

MinutesPlayed INT,

FOREIGN KEY (PlayerId) REFERENCES [User](UserId)

);

GO

--Done

-- Match table

CREATE TABLE Match (

MatchId INT PRIMARY KEY,

MatchDate DATETIME,

MatchLocation NVARCHAR(100),

HomeTeamId INT,

AwayTeamId INT,

StadiumId INT,

WinningTeam INT,

FOREIGN KEY (HomeTeamId) REFERENCES Team(TeamId),

FOREIGN KEY (AwayTeamId) REFERENCES Team(TeamId),

FOREIGN KEY (StadiumId) REFERENCES Stadium(StadiumId)

);

GO

--Done

-- Player Statistics table

CREATE TABLE PlayerStatistics (

PlayerStatsId INT PRIMARY KEY,

MatchPlayerId INT,

PlayerId INT,

Score INT,

FOREIGN KEY (PlayerId) REFERENCES Player(PlayerId),

FOREIGN KEY (MatchPlayerId) REFERENCES Match(MatchId)

);

GO

--Done

-- Player Skills table

CREATE TABLE PlayerSkills (

PlayerId INT,

SkillId INT,

PRIMARY KEY (PlayerId, SkillId),

FOREIGN KEY (PlayerId) REFERENCES Player(PlayerId),

FOREIGN KEY (SkillId) REFERENCES Skills(SkillId)

);

GO

--Done

-- Contract table

CREATE TABLE Contract (

ContractId INT PRIMARY KEY,

Description NVARCHAR(255),

StartDate DATETIME,

EndDate DATETIME,

TeamId INT,

StaffId INT,

IsTeamCaptain BIT,

FOREIGN KEY (TeamId) REFERENCES Team(TeamId),

FOREIGN KEY (StaffId) REFERENCES TeamStaff(StaffId)

);

GO

--Done

-- Transaction table

CREATE TABLE [Transaction] (

TransactionId INT PRIMARY KEY,

MatchId INT,

ViewerId INT,

Amount MONEY,

PaymentMode NVARCHAR(50),

TransactionTime DATETIME,

FOREIGN KEY (MatchId) REFERENCES Match(MatchId),

FOREIGN KEY (ViewerId) REFERENCES Viewer(ViewerId)

);

GO