

```
CREATE TABLE Games (  
    gameId INT NOT NULL,  
    HomeTeam VARCHAR(45),  
    AwayTeam VARCHAR(45),  
    Score_Home INT,  
    Score_Away INT,  
    SeasonWeek INT,  
    Date DATE,  
    Season INT,  
    PRIMARY KEY (GameId)  
);
```

```
CREATE TABLE Rosters(  
    PlayerId VARCHAR(100),  
    PlayerName VARCHAR(100),  
    Position VARCHAR(100),  
    TeamName VARCHAR(100),  
    PRIMARY KEY (PlayerId)  
);
```

```
CREATE TABLE PlayingIn(  
    PlayingInId INT NOT NULL,  
    PlayerId VARCHAR(100),  
    GameId INT,  
    PRIMARY KEY (PlayingInId),  
    FOREIGN KEY (PlayerId) REFERENCES Rosters(PlayerId) ON DELETE CASCADE,  
    FOREIGN KEY (GameId) REFERENCES Games(GameId) ON DELETE CASCADE  
);
```

```
CREATE TABLE PlaysMade(  
    PlayMadeId INT NOT NULL AUTO_INCREMENT,  
    PlayType VARCHAR(36),  
    PlayerName VARCHAR(100),  
    PlayerId VARCHAR(45),  
    PlayId INT,  
    PlayerType VARCHAR(45),  
    PRIMARY KEY (PlayMadeId),  
    FOREIGN KEY (PlayerId) REFERENCES Rosters(PlayerId) ON DELETE CASCADE,  
    FOREIGN KEY (PlayId) REFERENCES PlayByPlay(PlayId) ON DELETE CASCADE  
);
```

```

CREATE TABLE PlayByPlay(
    play_id INT NOT NULL,
    game_id INT NOT NULL,
    home_team TEXT,
    away_team TEXT,
    play_type TEXT,
    ydsnet INT,
    game_date TEXT,
    qtr INT,
    time TEXT,
    desc TEXT,
    penalty DOUBLE,
    touchdown DOUBLE,
    PRIMARY KEY (play_id, game_id),
    FOREIGN KEY (game_id) REFERENCES Games(GameId) ON DELETE CASCADE,
);

```

```

CREATE TABLE UserResult(
    ResultId INT NOT NULL,
    UserId INT,
    HomeTeam VARCHAR(20),
    AwayTeam VARCHAR(20),
    Date DATE,
    Location VARCHAR(20),
    HomeTeamPercentage DOUBLE,
    AwayTeamPercentage DOUBLE,
    PRIMARY KEY (ResultId, UserId),
    FOREIGN KEY (UserId) REFERENCES UserInput(UserId) ON DELETE CASCADE
);

```

```

CREATE TABLE UserInput(
    UserId INT,
    UserName VARCHAR(100),
    OffenseDefense VARCHAR(100),
    Penalties TINYINT(1),
    BigPlay VARCHAR(100),
    Hometown VARCHAR(100),
    PassRun VARCHAR(100),
    PRIMARY KEY (UserId)
);

```