

CUNY Baruch College

SQL & Relational Model

Group # 3 Submission

Ting Xu

JiaRui Shao

Hao Xu

Eric Sze

CIS 3400 EMWA

Richard Holowczak

29 April 2019

Club Table:

```
CREATE TABLE Club
(
    ClubID          VARCHAR(10) NOT NULL,
    ClubName        VARCHAR(35),
    FoundDate       DATE,
    Logo            VARCHAR(35),
    CONSTRAINT pk_club
        PRIMARY KEY (ClubID)
)
```

Manager Table:

```
CREATE TABLE Manager
(
    ManagerID       VARCHAR(10) NOT NULL,
    FirstName       VARCHAR(35),
    LastName        VARCHAR(35),
    Street          VARCHAR(35),
    City            VARCHAR(35),
    State           VARCHAR(2),
    ZipCode         VARCHAR(11),
    Country         VARCHAR(35),
    Age             INTEGER,
    PhoneNumber     VARCHAR(15),
    Years_of_Coaching INTEGER,
    Managing_Role   VARCHAR(35),
    ClubID          VARCHAR(10) NOT NULL,
    CONSTRAINT pk_manager
        PRIMARY KEY (ManagerID)
)
```

```
ALTER TABLE Manager
    ADD CONSTRAINT fk_manager
        FOREIGN KEY (ClubID)
            REFERENCES Club (ClubID)
```

Coach Table:

```
CREATE TABLE Coach
(
    CoachID         VARCHAR(10) NOT NULL,
    FirstName       VARCHAR(35),
    LastName        VARCHAR(35),
    Street          VARCHAR(35),
    City            VARCHAR(35),
```

```

        State          VARCHAR(2),
        ZipCode         VARCHAR(11),
        Country         VARCHAR(35),
        Age             INTEGER,
        PhoneNumber     VARCHAR(15),
        Years_of_Coaching INTEGER,
        Coaching_Role    VARCHAR(35),
        TeamID          VARCHAR(10) NOT NULL,
        CONSTRAINT pk_coach
                PRIMARY KEY (CoachID)
)

```

```

ALTER TABLE Coach
ADD CONSTRAINT fk_coach
    FOREIGN KEY (TeamID)
    REFERENCES Team (TeamID)

```

Team Table:

```

CREATE TABLE Team
(
    TeamID          VARCHAR(10) NOT NULL,
    TeamName        VARCHAR(35),
    FoundDate       DATE,
    LogoName        VARCHAR(35),
    AccumulativePoints INTEGER,
    ClubID          VARCHAR(10) NOT NULL,
    CONSTRAINT pk_team
            PRIMARY KEY (TeamID)
)

```

```

ALTER TABLE Team
ADD CONSTRAINT fk_team
    FOREIGN KEY (ClubID)
    REFERENCES Club (ClubID)

```

Match Table:

```

CREATE TABLE Match
(
    MatchID          VARCHAR(20) NOT NULL,
    Date             DATE(),
    StartTime        TIME(),
    EndTime          TIME(),
    CONSTRAINT PK_Match

```

```
        PRIMARY KEY (MatchID)
    )
```

Performance Table:

```
CREATE TABLE Performance
(
    PerformanceID      INTEGER NOT NULL,
    TeamResult         VARCHAR(1),
    Kills              INTEGER,
    TowersDestroyed    INTEGER,
    TeamID             VARCHAR(10) NOT NULL,
    CONSTRAINT PK_Performance
        PRIMARY KEY (PerformanceID)
)
```

```
ALTER TABLE Performance
    ADD CONSTRAINT FK_Performance
        FOREIGN KEY (TeamID)
            REFERENCES Team (TeamID),
        FOREIGN KEY (MatchID)
            REFERENCES Match (MatchID)
```

Player Table:

```
CREATE TABLE Player
(
    PlayerID           VARCHAR(10) NOT NULL,
    FirstName          VARCHAR(35),
    LastName           VARCHAR(35),
    Street             VARCHAR(35),
    City               VARCHAR(35),
    State              VARCHAR(2),
    ZipCode            VARCHAR(11),
    Country            VARCHAR(35),
    Age                INTEGER,
    PhoneNumber        VARCHAR(15),
    Years_of_Playing   INTEGER,
    Position           VARCHAR(35),
    TeamID             VARCHAR(10) NOT NULL,
    CONSTRAINT PK_Player
        PRIMARY KEY (PlayerID)
)
```

```
ALTER TABLE Player
  ADD CONSTRAINT FK_Player
    FOREIGN KEY (TeamID)
      REFERENCES Team (TeamID)
```