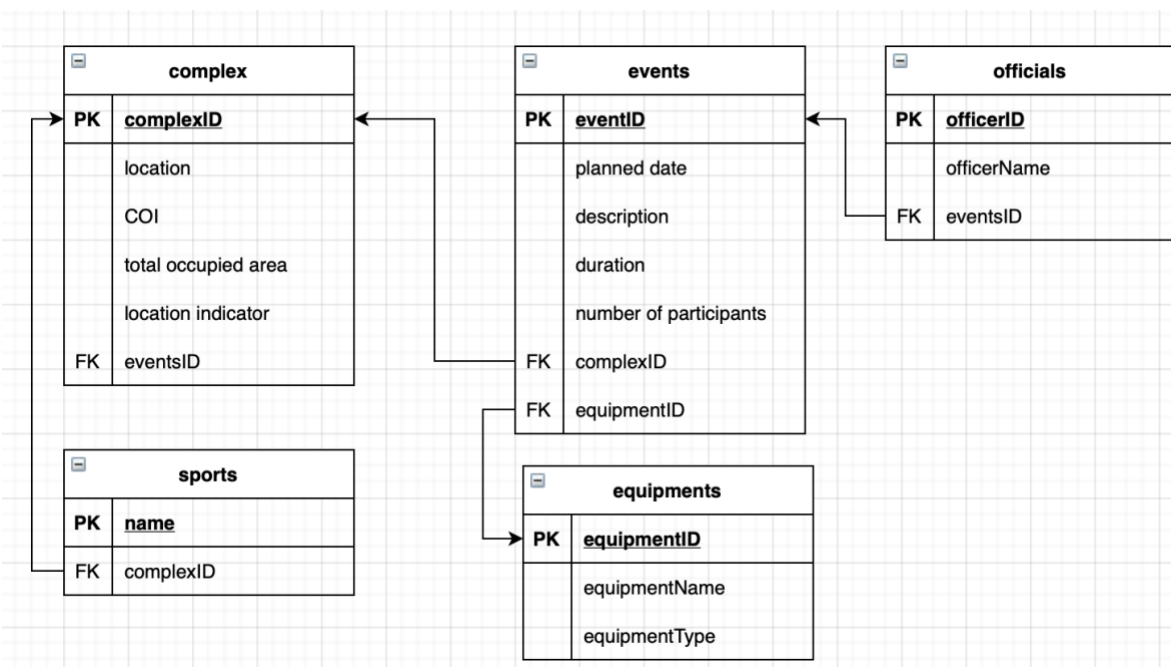
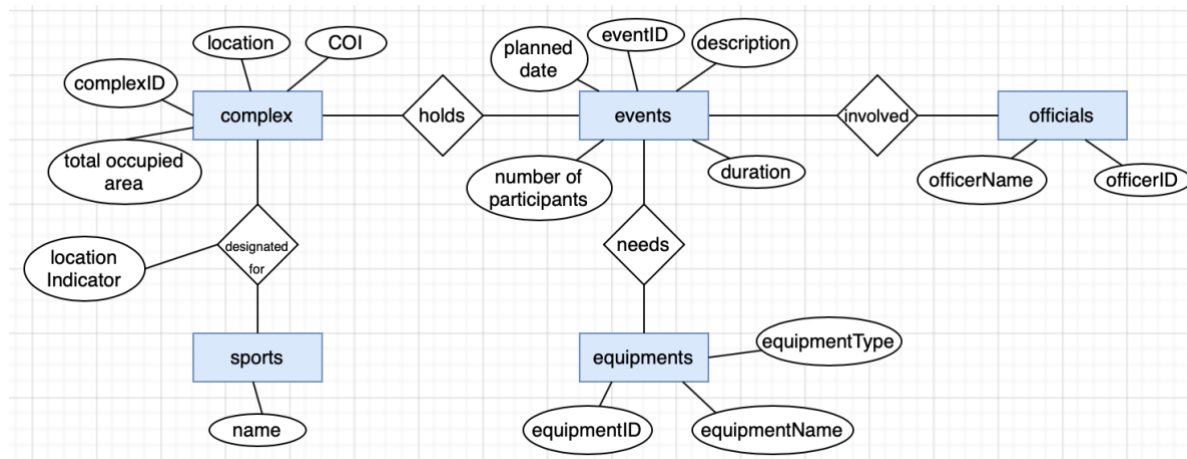


## Assignment 1 – CSC 370

### Ex. 1



```

CREATE TABLE complex (
    complexID INTEGER,
    COI VARCHAR(20) NOT NULL,
    location VARCHAR(40) NOT NULL,
    totalOccupiedArea VARCHAR(20),
    locationIndicator VARCHAR(20),

```

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#V00930385

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#V00913853

```
eventsID INTEGER,  
PRIMARY KEY (complexID),  
FOREIGN KEY (eventsID) REFERENCES events (eventID)  
);
```

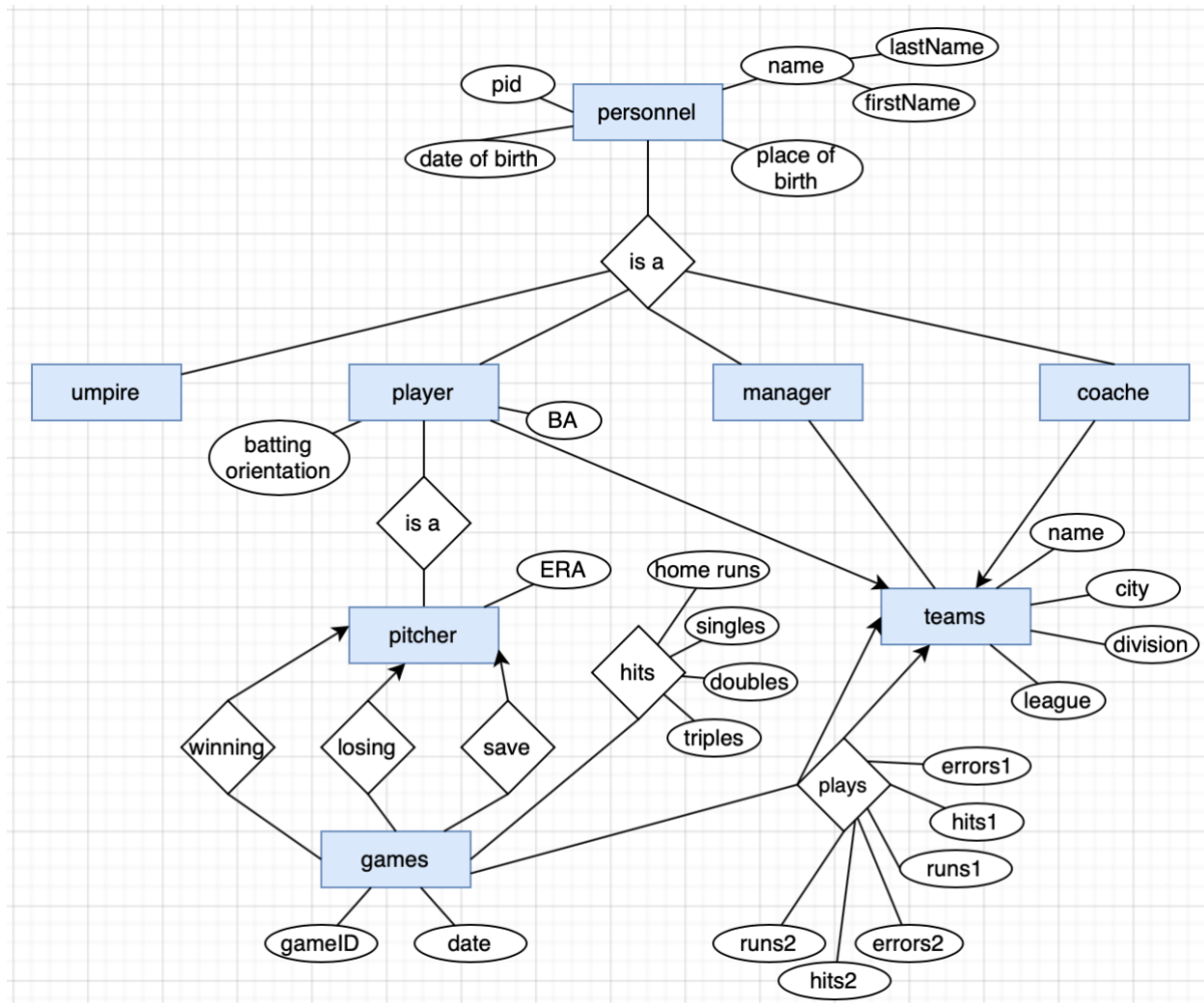
```
CREATE TABLE events (  
eventID INTEGER,  
number_of_participants int,  
plannedDate VARCHAR(20) NOT NULL,  
description VARCHAR(40),  
duration VARCHAR(20),  
complexID INTEGER,  
equipmentID INTEGER,  
PRIMARY KEY (eventsID),  
FOREIGN KEY (complexID) REFERENCES complex (complexID)  
FOREIGN KEY (equipmentID) REFERENCES equipment (equipmentID)  
);
```

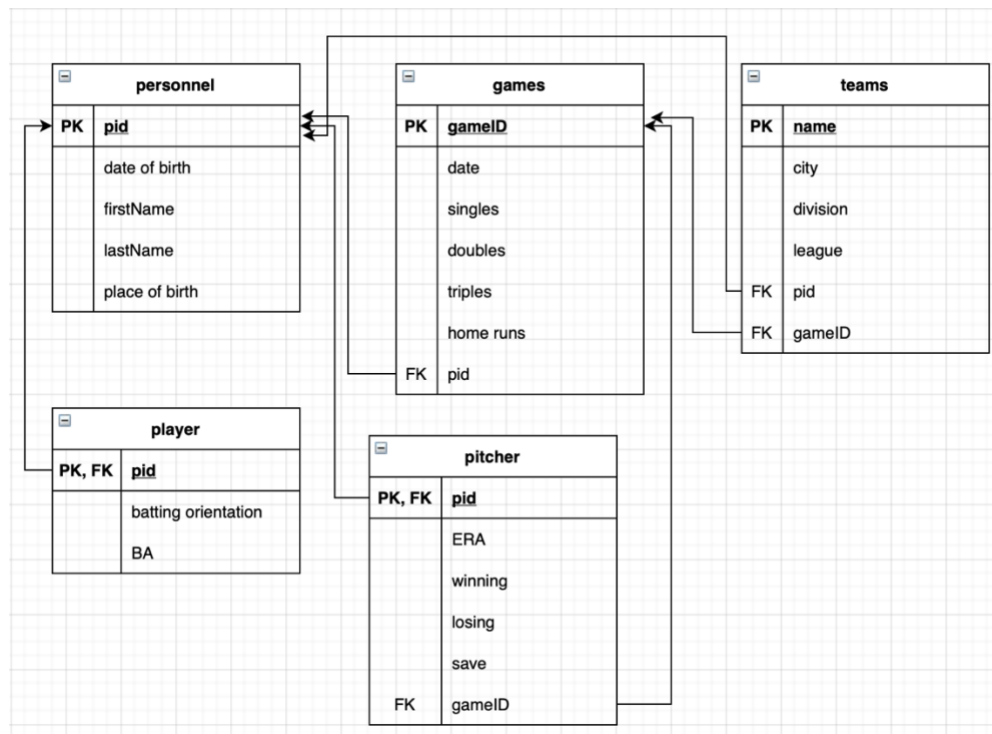
```
CREATE TABLE equipment (  
equipmentID INTEGER,  
equipment_name VARCHAR(20) NOT NULL,  
equipmentType VARCHAR(20),  
PRIMARY KEY (equipmentID),  
);
```

```
CREATE TABLE officials (  
officerID INTEGER,  
officerName VARCHAR,  
eventsID INTEGER,  
PRIMARY KEY (officerID),  
FOREIGN KEY (eventsID) REFERENCES events (eventID)  
);
```

```
CREATE TABLE sports (  
name VARCHAR(40),  
complexID INTEGER,  
PRIMARY KEY (name),  
FOREIGN KEY (complexID) REFERENCES complex (complexID)
```

Ex. 2





```
CREATE TABLE personnel (  
  pid INTEGER,  
  dateOfBirth VARCHAR(20),  
  firstName VARCHAR(40),  
  lastName VARCHAR(40),  
  placeOfBirth VARCHAR(40),  
  PRIMARY KEY (pid)  
);
```

```
CREATE TABLE games (  
  gameID INTEGER,  
  date VARCHAR(20),  
  singles INTEGER,  
  doubles INTEGER,  
  triples INTEGER,  
  homeRuns INTEGER,  
  PRIMARY KEY (gameID),  
  FOREIGN KEY (pid) REFERENCES personnel (pid)  
);
```

```
CREATE TABLE teams (  
  name VARCHAR(40),  
  city VARCHAR(40),  
  division VARCHAR(40),  
  league VARCHAR(40),  
  pid INTEGER,  
  gameID INTEGER,  
  PRIMARY KEY (name),  
  FOREIGN KEY (pid) REFERENCES personnel (pid),  
  FOREIGN KEY (gameID) REFERENCES games (gameID)
```

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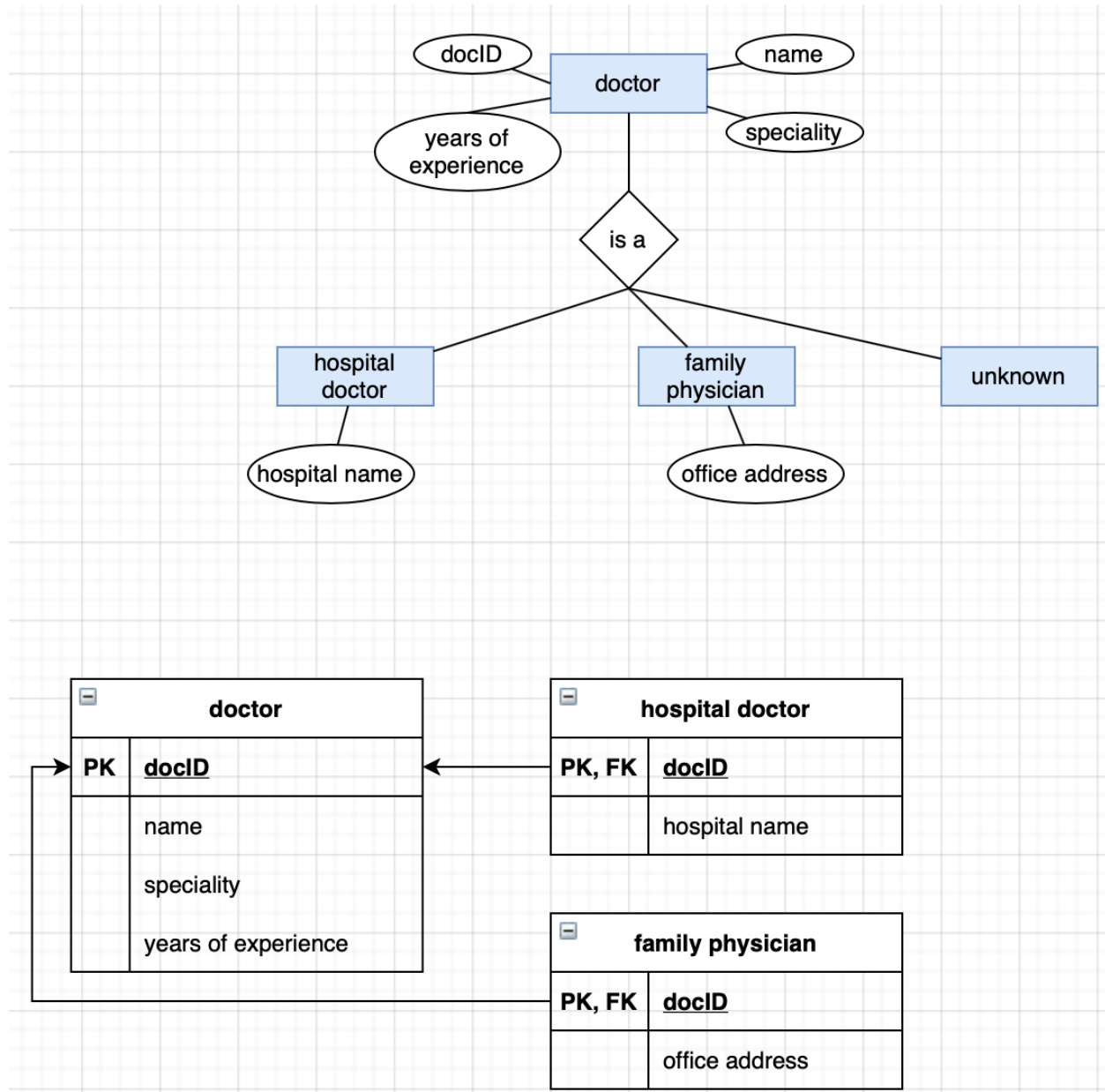
Taimur Kashif Khan Niazi  
#V00913853

```
name VARCHAR(40),  
city VARCHAR(40),  
division VARCHAR(40),  
league VARCHAR(40),  
PRIMARY KEY (name),  
FOREIGN KEY (pid) REFERENCES personnel (pid),  
FOREIGN KEY (gameID) REFERENCES games (gameID)  
);
```

```
CREATE TABLE player (  
pid INTEGER,  
battingOrientation VARCHAR(20),  
BA VARCHAR(40),  
PRIMARY KEY (pid),  
FOREIGN KEY (pid) REFERENCES personnel (pid)  
);
```

```
CREATE TABLE pitcher (  
pid INTEGER,  
winningPitcher VARCHAR(40),  
losingPitcher VARCHAR(40),  
save VARCHAR(40),  
gameID INTEGER,  
PRIMARY KEY (pid),  
FOREIGN KEY (pid) REFERENCES personnel (pid),  
FOREIGN KEY (gameID) REFERENCES games (gameID)  
);
```

EX. 3



```
INSERT INTO TABLE doctor (docID, name, speciality, yearsOfExperience) VALUES (8039, 'David Martin', 'cardiologist', 10);
```

```
INSERT INTO TABLE hospitalDoctor (docID, hospitalName) VALUES (8039, 'Qasimi Hospital');
```

```
INSERT INTO TABLE familyPhysician (docID, officeAddress) VALUES (8045, '259 Query Street');
```