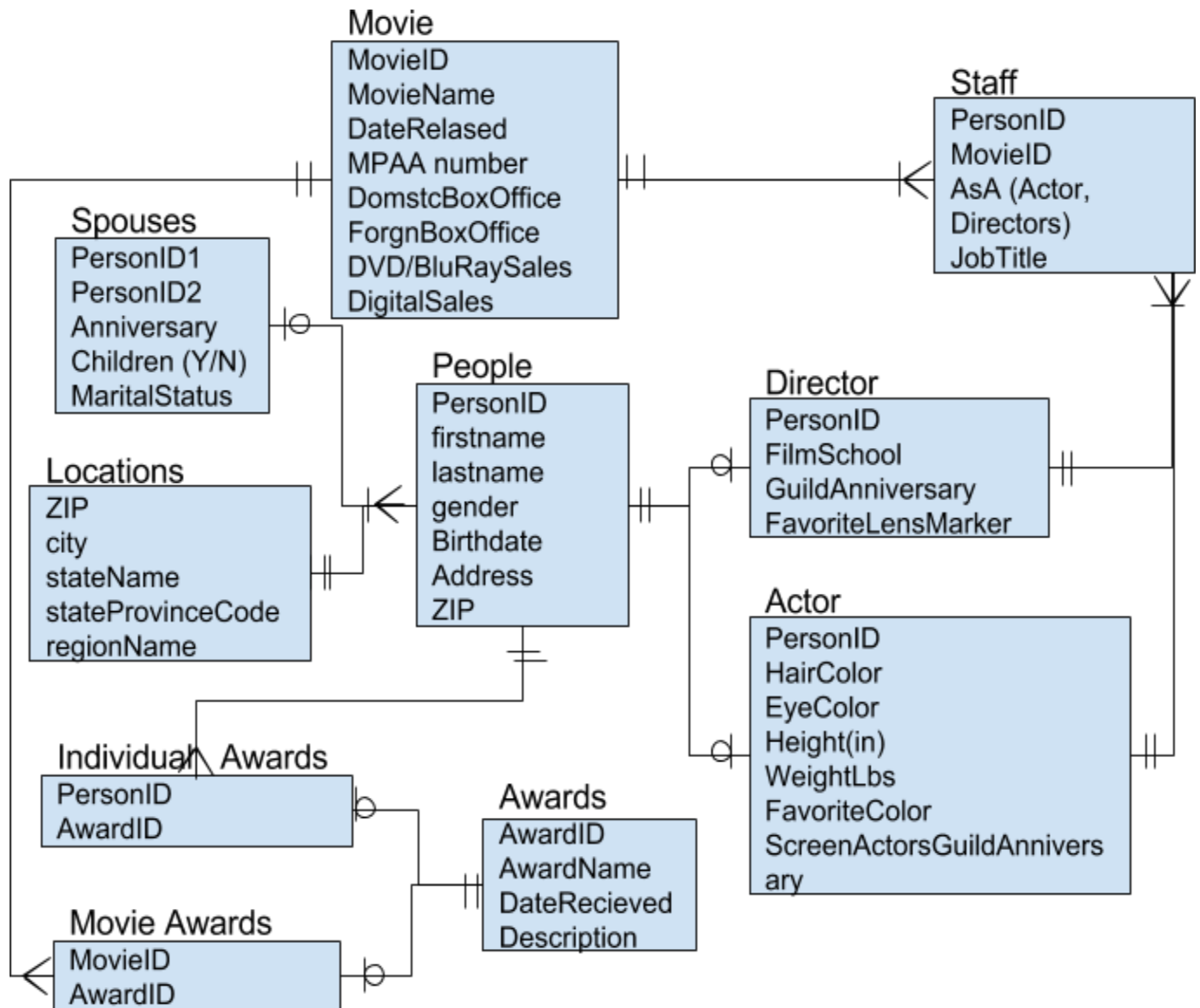


Lab 8

ERD

1.



2. CREATE Statements

```
CREATE TABLE People(  
    PID int NOT NULL PRIMARY KEY,  
    firstname varchar(50) NOT NULL,  
    lastname varchar(50) NOT NULL,  
    gender ENUM('Female', 'Male') NOT NULL,  
    birthdate datetime NOT NULL,
```

```
address varchar(100),
ZIP int(5),
FOREIGN KEY (ZIP) REFERENCES Loca
);
```

```
CREATE TABLE Locations(
    ZIP int NOT NULL PRIMARY KEY,
    city varchar(50) NOT NULL,
    stateName varchar(50),
    stateProvinceCode varchar(10) NOT NULL,
    regionName varchar(50)
);
```

```
CREATE TABLE directors(
    PID int NOT NULL PRIMARY KEY,
    FilmSchool varchar(50) NOT NULL,
    GuildAnniversary datetime NOT NULL,
    FavoriteLensMarker varchar(50) NOT NULL ,
    FOREIGN KEY (PID) REFERENCES people(PID)
);
```

```
CREATE TABLE actors(
    PID int NOT NULL PRIMARY KEY,
    HairColor varchar(50) NOT NULL,
    EyeColor varchar(50) NOT NULL,
    HeightIN int(4) NOT NULL,--in INCHES
    WeightLBS int(4) NOT NULL, --in POUNDS
    FavoriteColor varchar(50) NOT NULL,
    GuildAnniversary datetime NOT NULL,
    FOREIGN KEY (PID) REFERENCES people(PID)
);
```

```
CREATE TABLE spouses(
    PID1 int NOT NULL,
    PID2 int NOT NULL,
    Anniversary datetime NOT NULL,
    Children boolean NOT NULL,
    MaritalStatus ENUM ('Married', 'Legally', 'Separated', 'Divorced', 'WidowedP1',
'WidowedP2'),
    PRIMARY KEY(PID1,PID2),
    FOREIGN KEY (PID1) REFERENCES people(PID),
```

```
        FOREIGN KEY (PID2) REFERENCES people(PID)
    );
```

```
CREATE TABLE staff(
    PID int NOT NULL,
    MID int NOT NULL,
    JobTitle varchar(100) NOT NULL,
    AsA NUM('Actor', 'Director') NOT NULL,
    PRIMARY KEY (PID, MID),
    FOREIGN KEY (PID) REFERENCES people(PID),
    FOREIGN KEY (MID) REFERENCES movies(PID)

);
```

```
CREATE TABLE movies(
    MID int NOT NULL PRIMARY KEY,
    MovieName varchar(50) NOT NULL,
    ReleaseDate datetime NOT NULL,
    MPAA longint NOT NULL,--in INCHES
    DomstcBoxOffice longint(4),--in INCHES
    ForgnBoxOffice longint,--in INCHES
    HeightIN int(4) NOT NULL,--in INCHES
    FOREIGN KEY (PID1) REFERENCES people(PID),
    FOREIGN KEY (PID2) REFERENCES people(PID)

);
```

```
CREATE TABLE Awards(
    AID int NOT NULL PRIMARY KEY,
    AwardName varchar(50) NOT NULL,
    DateRecieved datetime NOT NULL,
    Description varchar(200) NOT NULL,

);
```

```
CREATE TABLE IndividualAwards(
    AID int NOT NULL PRIMARY KEY,
    PID int NOT NULL PRIMARY KEY,
    FOREIGN KEY (PID) REFERENCES people(PID),
    FOREIGN KEY (AID) REFERENCES people(AID)

);
```

```
CREATE TABLE MovieAwards(
```

```

    AID int NOT NULL PRIMARY KEY,
    PID int NOT NULL PRIMARY KEY,
    FOREIGN KEY (PID) REFERENCES people(PID),
    FOREIGN KEY (AID) REFERENCES people(AID)
);

```

3. (MID) → Movie Name, Release Date, MPAA, DomstcBoxOfficeUSD, ForgnBoxOfficeUSD
 (PID) → firstname, lastname, gender, birthday, FilmSchool, GuildAniversary (for actors and directors), FavoriteLensMaker, HairColor, EyeColor, HeightIN, WeightLBS, FavoriteColor, GuildAnniversary, AwardID
 (PID1,PID2) → Anniversary, Chidren, MaritalStatus
 (MID, AID) → AwardName,Date Recieved, Description
 (PID, AID) → AwardName,Date Recieved, Description
 (MID,PID) → AsA, JobTitle

```

4. SELECT P.Name
FROM People P
JOIN Director D ON P.PID=D.PID
JOIN Actor A ON P.PID=A.PID
JOIN Staff S ON S.PID=D.PID
JOIN Staff S ON S.PID=A.PID
JOIN Movies Mo ON S.MID=Mo.MID
WHERE A.PID IN (SELECT PID
                FROM People P
                WHERE P.Name = 'Sean Connery');
AND S.AsA = 'Director'

```