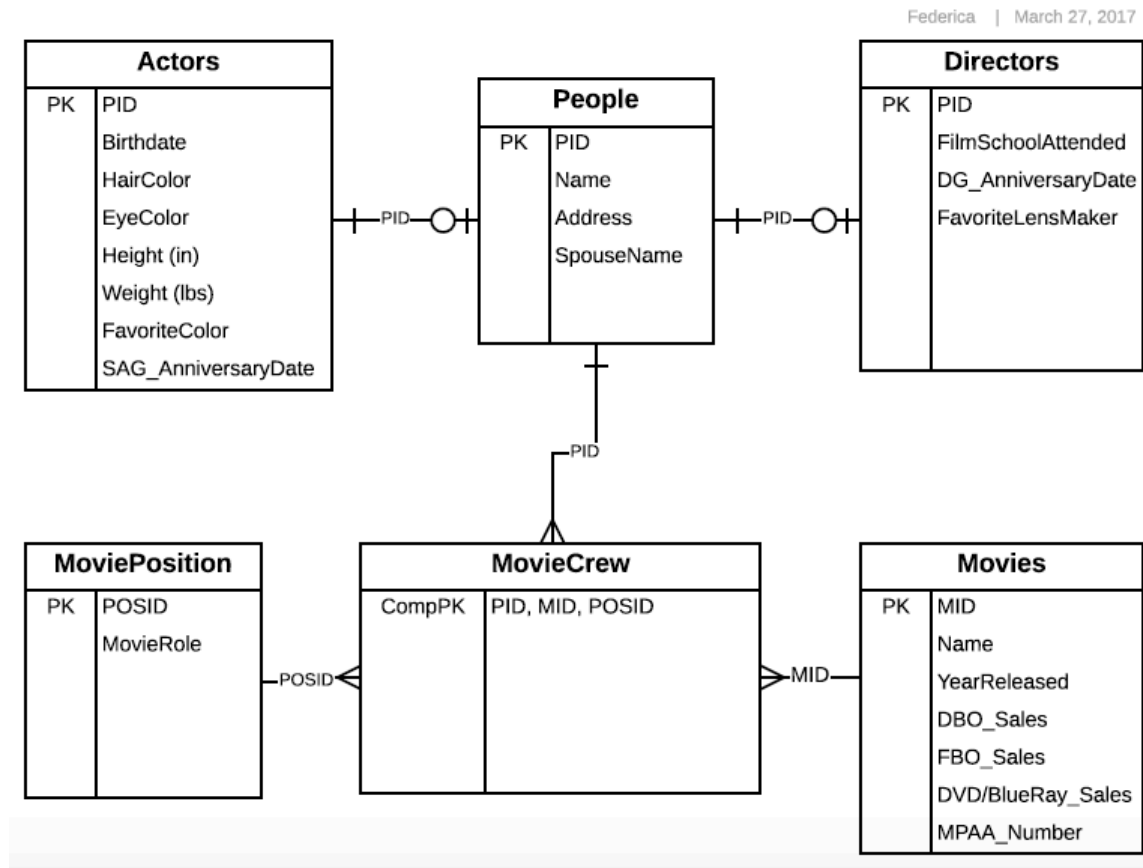


Federica Bruno
 Database Management 308
 Alan Labouseur
 Due Date: March 28, 2017
 Lab 8: Normalization Two

Question1



Question 2

```
DROP TABLE IF EXISTS JamesBondDB;  
CREATE DATABASE JamesBondDB;
```

```
DROP TABLE IF EXISTS Actors;  
DROP TABLE IF EXISTS Directors;  
DROP TABLE IF EXISTS People;  
DROP TABLE IF EXISTS Movie;  
DROP TABLE IF EXISTS MovieCrew;
```

```
CREATE TABLE People (  
    PID char(4) NOT NULL,  
    Name text NOT NULL,  
    Address text,  
    SpouseName text,  
  
    PRIMARY KEY (PID)  
);
```

```
CREATE TABLE Actors (  
    PID char(4) NOT NULL references People(PID),  
    Birthdate date,  
    HairColor text,  
    EyeColor text,  
    Height int,  
    Weight int,  
    FavoriteColor text,  
    SAG_AnniversaryDate date,  
    PRIMARY KEY (PID)  
);
```

```
CREATE TABLE Directors (  
    PID char(4) NOT NULL references People(PID),  
    FilmSchoolAttended text,  
    FavoriteLensMaker text,  
    DG_AnniversaryDate text,  
    PRIMARY KEY (PID)  
};
```

```
CREATE TABLE Movies (  
    MID char(4) NOT NULL,  
    MPAA int,  
    Name text,  
    YearReleased date,  
    BOD_Sales text,  
    FOD_Sales text,
```

```

        DVD/BlueRay_Sales text,
        PRIMARY KEY (MID)
    );

CREATE TABLE MoviePosition (
    POSID char(4) NOT NULL,
    MovieRole text,
    PRIMARY KEY (POSID)
);

CREATE TABLE MovieCastings (
    PID char(4) NOT NULL references People(PID),
    MID char(4) NOT NULL references Movies(MPAA),
    POSID char(4) NOT NULL references
    MoviePosition(POSID),
    PRIMARY KEY (PID, MPAA, POSID)
);

```

Question 3

Function Dependencies:

- People: PID → Name, Address, SpouseName
- Actor: PID → Birthdate, HairColor, EyeColor, Height, Weight, FavoriteColor, SAG_AnniversaryDate
- Directors: PID → FilmSchoolAttended, DG_AnniversaryDate, FavoriteLensMakers
- Movies: MID → Name, YearReleased, DBO_Sales, FBO_Sales, DVD/BlueRay_Sales
- MovieCrew: PID, MID, POSID →
- MoviePosition: POSID → MovieRole

Question 4

```

SELECT people.name
FROM People
WHERE people.pid IN (SELECT DISTINCT pid
                     FROM MovieCrew
                     WHERE mid IN (
                         SELECT DISTINCT mid
                         FROM MovieCrew
                         WHERE pid IN (
                             SELECT DISTINCT people.pid
                             FROM People
                             WHERE People.name = 'Sean
Connery' ) ) );

```