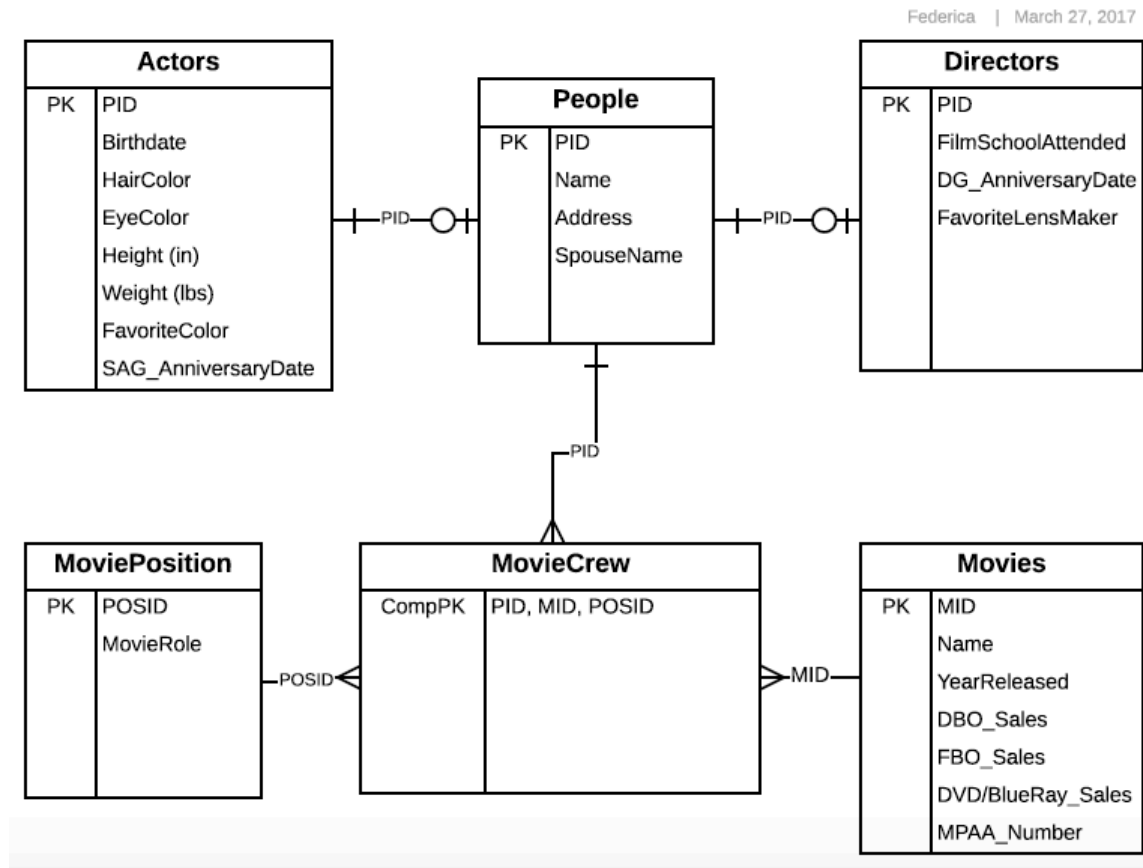Federica Bruno
Database Management 308
Alan Labouseur
Due Date: March 28, 2017
Lab 8: Normalization Two

Question1

Question 2

```sql
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;
DROP TABLE IF EXISTS MoviePosition;


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),
        PIMARY 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')));
```