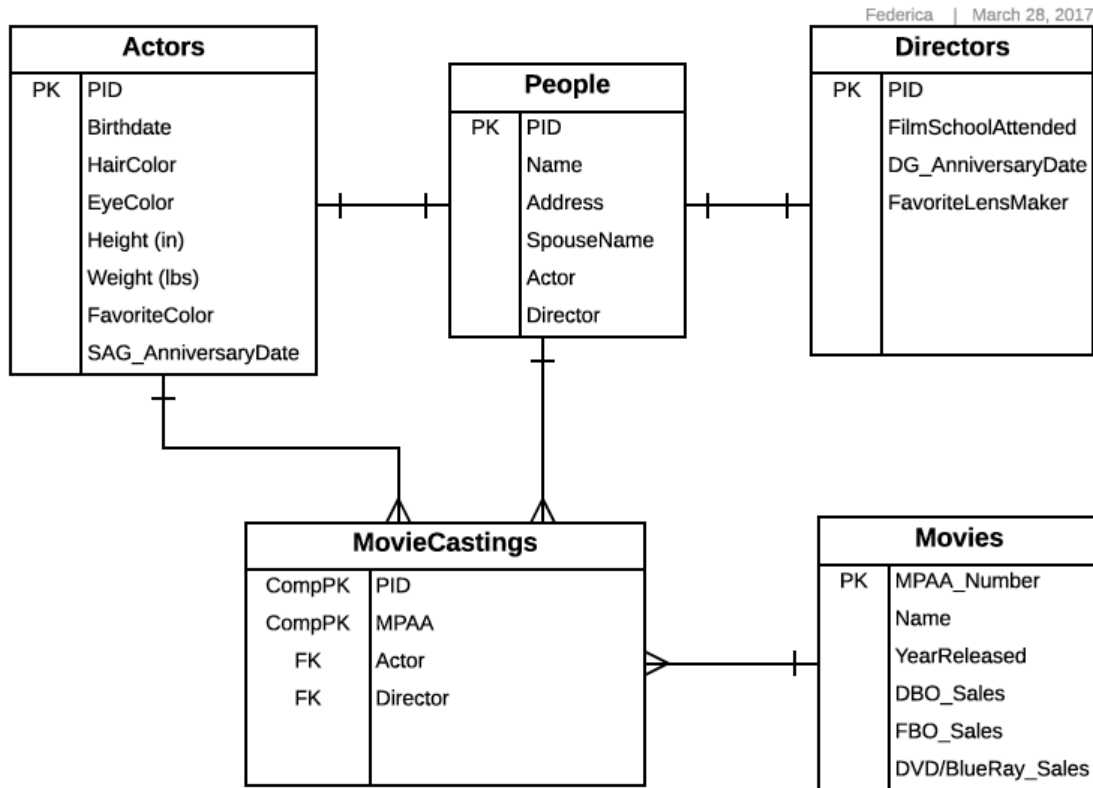


Federica Bruno  
Database Management 308  
Alan Labouseur  
Due Date: March 28, 2017  
Lab 8: Normalization Two



## 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 MovieCasting;
```

```
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 People (  
    PID char(4) NOT NULL,  
    Name text NOT NULL,  
    Address text,  
    SpouseName text,  
    Actor boolean,  
    Director boolean,  
    PRIMARY KEY (PID)  
);
```

```
CREATE TABLE Movies (  
    MPAA char(4) NOT NULL,  
    Name text,  
    YearReleased date,  
    BOD_Sales text,  
    FOD_Sales text,  
    DVD/BlueRay_Sales text,  
    PRIMARY KEY (MPAA)
```

```
);
```

```
CREATE TABLE MovieCastings (  
    PID char(4) NOT NULL references People(PID),  
    MPAA char(4) NOT NULL references Movies(MPAA),  
    Actor boolean text references People(Actor),  
    Director boolean references People(Director),  
    PRIMARY KEY (PID, MPAA)  
    FOREIGN KEY (Actor)  
    FOREIGN KEY (Director)  
);
```

### Question 3

Function Dependencies:

- Actor: PID → Birthdate, HairColor, EyeColor, Height, Weight, FavoriteColor, SAG\_AnniversaryDate
- People: PID → Name, Address, SpouseName
- Directors: PID → FilmSchoolAttended, DG\_AnniversaryDate, FavoriteLensMakers
- Movies: MPAA → Name, YearReleased, DBO\_Sales, FBO\_Sales, DVD/BlueRay\_Sales

### Question 4

```
SELECT people.name  
FROM People  
WHERE people.director = true  
AND people.pid IN (SELECT DISTINCT pid  
                    FROM MovieCastings  
                    WHERE MPAA IN (  
                        SELECT DISTINCT MPAA  
                        FROM MovieCastings  
                        WHERE pid IN (  
                            SELECT DISTINCT people.pid  
                            FROM People  
                            WHERE People.name = 'Sean  
Connery'))));
```