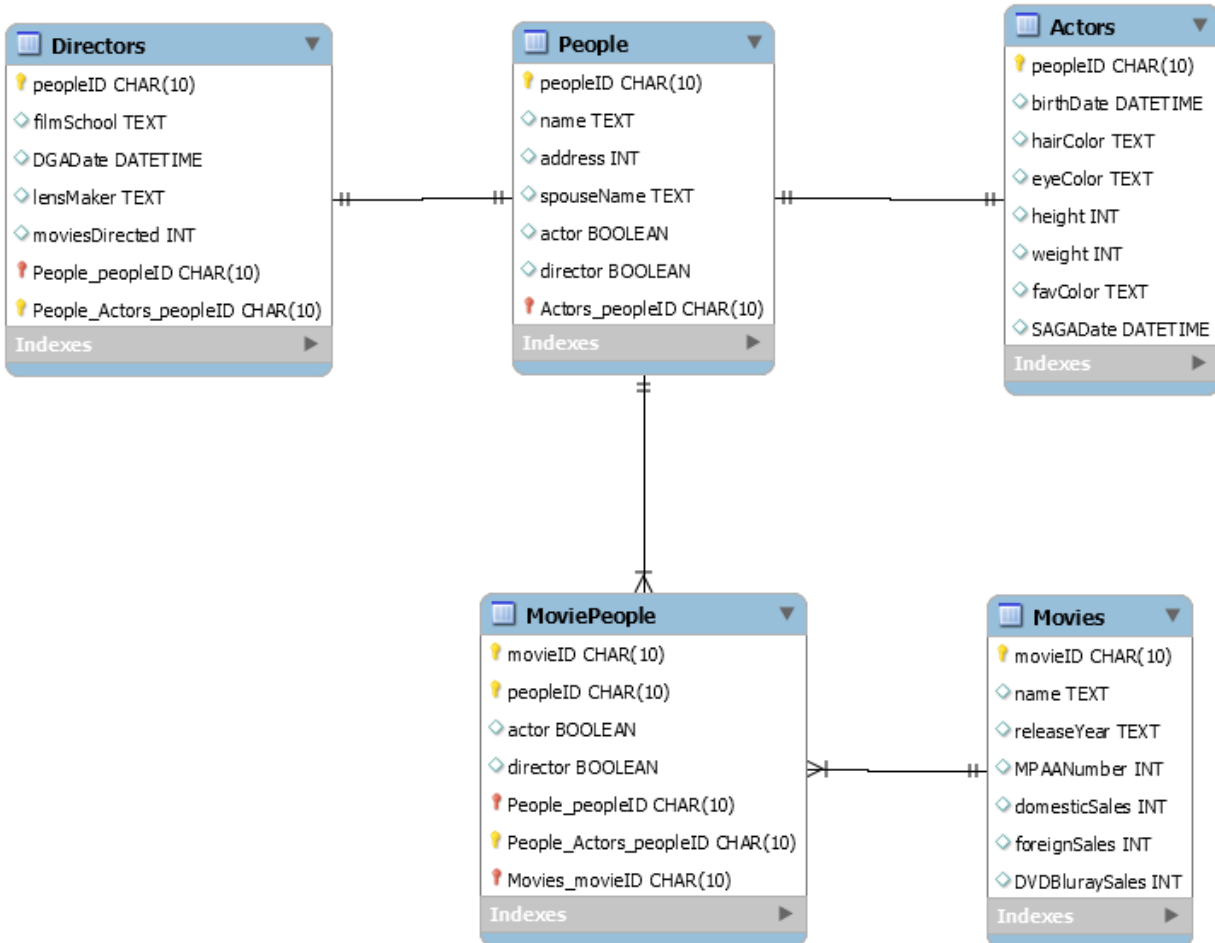Katie Bartolotta
CMPT 308N 114
11/10/16

Lab 8

1.

2.

DROP DATABASE IF EXISTS Bond;

CREATE DATABASE IF NOT EXISTS Bond;

DROP TABLE IF EXISTS People;

DROP TABLE IF EXISTS Directors;

DROP TABLE IF EXISTS MoviePeople;

DROP TABLE IF EXISTS Actors;

DROP TABLE IF EXISTS Movies;

```sql
CREATE TABLE IF NOT EXISTS People (
    peopleID CHAR(10) NOT NULL,
    name TEXT,
    address INT,
    spouseName TEXT,
    actor BOOLEAN,
    director BOOLEAN,
    PRIMARY KEY (peopleID)
);
CREATE TABLE IF NOT EXISTS Directors (
    peopleID CHAR(10) NOT NULL,
    filmSchool TEXT,
    DGADate DATETIME,
    lensMaker TEXT,
    moviesDirected INT,
    PRIMARY KEY (peopleID)
);
CREATE TABLE IF NOT EXISTS MoviePeople (
    movieID CHAR(10)  NOT NULL,
    peoopleID CHAR(10) NOT NULL,
    actor BOOLEAN,
    director BOOLEAN,
    PRIMARY KEY (movieID, peopleID)
);
CREATE TABLE IF NOT EXISTS Actors (
    poepleID CHAR(10) NOT NULL,
    birthDate DATETIME,
    hairColor TEXT,
    eyeColor TEXT,
    height INT,
```

weight INT,

favColor TEXT,

SAGADate DATETIME,

PRIMARY KEY (peopleID)

);

CREATE TABLE IF NOT EXISTS Movies (

movieID CHAR(10) NOT NULL,

name TEXT,

releaseYear TEXT,

MPAANumber INT,

domesticSales INT,

foreignSales INT,

DVDBluraySales INT,

PRIMARY KEY (movieID)

);

3. Functional Dependencies:

(peopleID) → name, address, spouseName, actor, director

(peopleID) → birthDate, hairColor, eyecolor, height, weight, favColor, SAGADate

(peopleID) → filmSchool, DGADate, lensMaker, moviesDirected

(movieID) → name, releaseYear, MPAANumber, domesticSales, foreignSales, DVDBluraySales

4. Write a query to show all the directors with whom actor "Sean Connery" has worked

SELECT DISTINCT People.name

FROM People

WHERE People.director = true

AND People.peopleID IN (SELECT DISTINCT peopleID

FROM MoviePeople

WHERE movieID IN (SELECT DISTINCT movieID

```
                                        FROM MoviePeople
                                        WHERE peopleID IN (

SELECT DISTINCT People.peopleID
FROM People
WHERE People.name = "Sean Connery")

                                        )

                    );
```