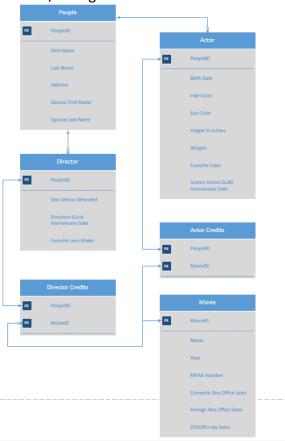
Danny Mulick 11/9/16





## 2. SQL Create Statements

Drop table if exists director\_creds; Drop table if exists actor\_creds; Drop table if exists directors; Drop table if exists actors; Drop table if exists movies; Drop table if exists people;

## create table people(

```
primary key,
 peopleID
                   int
fName
                   text
                         not null,
 IName
                   text
                         not null,
 spouseFName
                   text,
 spouseLName
                   text,
 address
                   text
                          not null
);
```

create table directors(

```
primary key references people(peopleID),
 peopleID
                 int
 filmSchool
                 text,
 directorsGuildDate date,
 favoriteLensMaker
                      text
);
create table actors(
 peopleID
                        Primary key references people(peopleID),
                 int
 birthDate
                 DATE
                          not null,
 hairColor
                        not null,
                 Text
 heightInches
                         not null,
                  int
 weight
                int
                       not null,
 favoriteColor
                  text,
 sagAnnivDate
                    date
);
create table movies(
 movieID
                 int
                       primary key,
 name
                text
                       not null,
                     not null,
 year
               int
 mpaaRating
                   text
                          not null,
 domesticBoxSalesUSD int,
 foreignBoxSalesUSD int,
 dvdBlueRaySalesUSD int
);
create table actorCredits(
                        references actors(peopleID),
 peopleID
                 int
 movieID
                 int
                       references movies(movieID),
 primary key(peopleID, movieID)
);
create table directorCredits(
                 int
                        references directors(peopleID),
 peopleID
 movieID
                 int
                       references movies(movieID),
 primary key(peopleID, movieID)
);
```

## 3. Functional Dependencies

- a. PeopleID → First Name, Last Name, Address, Spouse First Name, Spouse Last Name
- b. PeopleID → Film School Attended, Director Guild Anniversary Date, Favorite Lens Maker

- c. PeopleID → Birth Date, Hair Color, Eye Color, Height In Inches, Weight, Favorite Color, Screen Actors Guild Anniversary Date
- d. PeopleID, MovieID →
- e. PeopleID, MovieID →
- f. MovieID → Name, Year, MPAA Number, Domestic Box Office Sales USD, Foreign Box Office Sales USD, DVD/Blu-ray Sales USD
- 4. Write a query to show all the directors with whom actor "Sean Connery" has worked SELECT Fname, Lname FROM People

WHERE PeopleID IN (SELECT PeopleID

FROM DirectorCredits

WHERE MovieID IN (SELECT MovieID

FROM ActorCredits

WHERE PeopleID IN (SELECT PeopleID

FROM People
WHERE Fname = "Sean"
AND Lname = "Connery")))