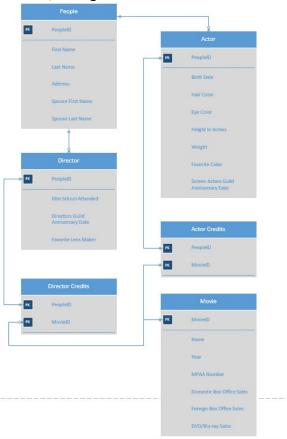
Thomas Famularo 11/9/16





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 not null text);

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,
                       not null,
 name
                text
               int
                     not null,
 year
 mpaaRating
                   text
                          not null,
 domesticBoxSalesUSD int,
 foreignBoxSalesUSD int,
 dvdBlueRaySalesUSD int
);
create table actorCredits(
 peopleID
                 int
                        references actors(peopleID),
 movieID
                 int
                       references movies(movieID),
 primary key(peopleID, movieID)
);
create table directorCredits(
 peopleID
                 int
                        references directors(peopleID),
                       references movies(movieID),
 movieID
                 int
 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")))