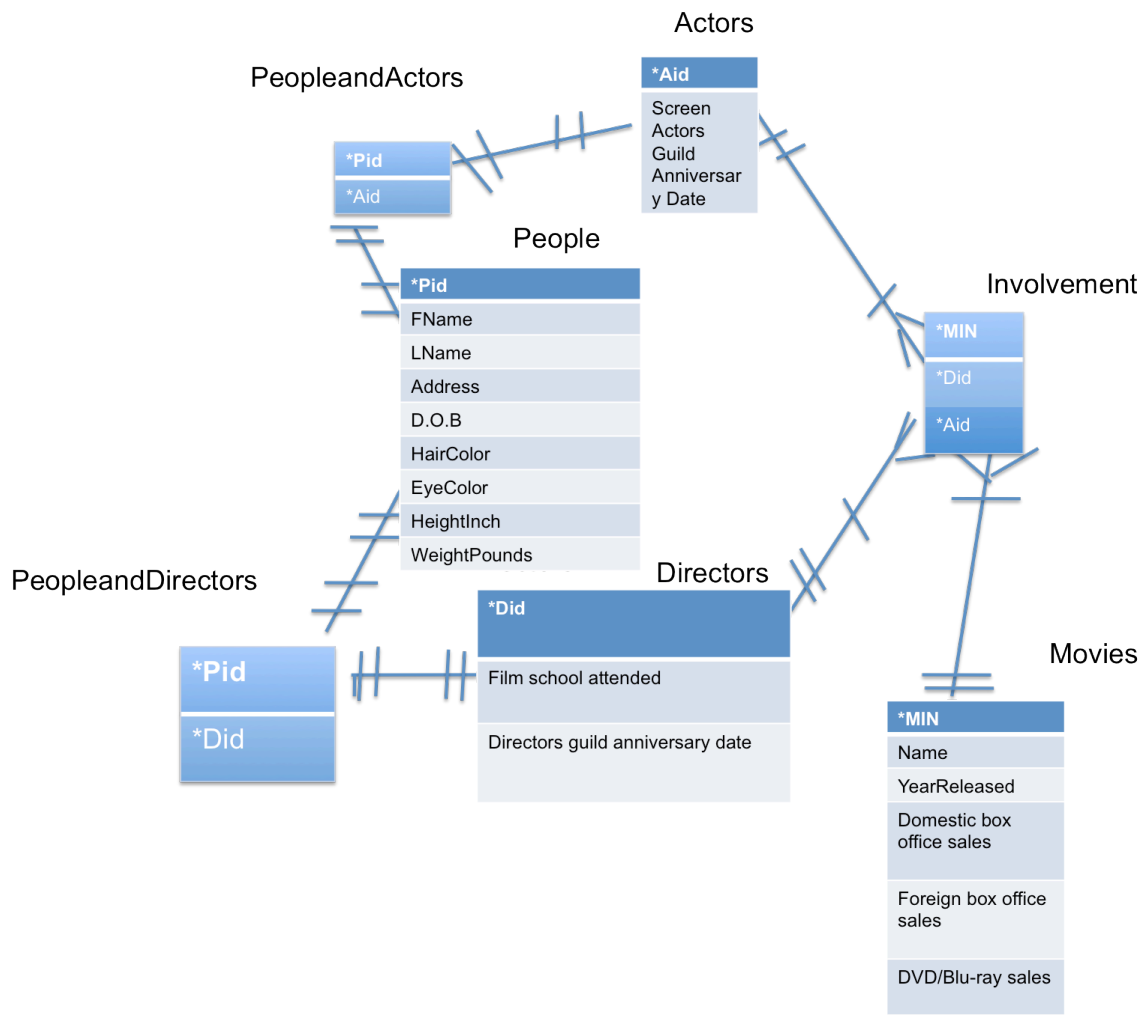


Chris Maher
Create ER Diagram:

11/4/13



Create Tables and Inserting Data SQL:

```
DROP TABLE IF EXISTS Movies;
CREATE TABLE Movies (
    MIN      char(5) not null,
    Name     varchar(20),
    YearReleased date,
    DomesticBoxOfficeSales int,
    ForeignBoxOfficeSales int,
    DVDBlueRaySales int,
    primary key(MIN)
);

DROP TABLE IF EXISTS Directors;
CREATE TABLE Directors (
    Did      char(3) not null,
    FilmSchoolAttended varchar(16),
    DircetorsGuildanniversarydate date,
    primary key(Did)
);

DROP TABLE IF EXISTS PeopleAndDirectors;
CREATE TABLE PeopleAndDirectors (
    Pid      char(4) not null references People(Pid),
    Did      char(3) not null references Directors(Did),
    primary key(Pid,Did)
);

DROP TABLE IF EXISTS Actors;
CREATE TABLE Actors (
    Aid      char(3) not null,
    ScreenActorsGuildAnniversaryDate date,
    primary key(Aid)
);

DROP TABLE IF EXISTS Involvement;
CREATE TABLE Involvement (
    MIN      char(5) not null references Movies(MIN),
    Aid      char(4) not null references Actors(Aid),
    Did      char(4) not null references Directors(Did),
    primary key(MIN,Aid,Did)
);

DROP TABLE IF EXISTS PeopleAndActors;
CREATE TABLE PeopleAndActors (
    Pid      char(4) not null references People(Pid),
    Aid      char(3) not null references Actors(Aid),
    primary key(Pid,Aid)
);

Insert into People(Pid,FName,LName,Address,BirthDate,HairColor,EyeColor,HeightInches,WeightPounds)
Values('P001','Sean','Connery','LA','1950-12-31','white','blue',172,200);

Insert into People(Pid,FName,LName,Address,BirthDate,HairColor,EyeColor,HeightInches,WeightPounds)
Values('P002','George','Bluth','LA','1956-08-11','blue','hazel',150,300);

Insert into Directors(Did,FilmSchoolAttended,DircetorsGuildanniversarydate)
Values('D01','NYU','1980-09-11');

Insert into Actors(Aid,ScreenActorsGuildAnniversaryDate)
Values('A01','1975-08-15');

Insert into Movies(MIN,Name,YearReleased,DomesticBoxOfficeSales,ForeignBoxOfficeSales,DVDBlueRaySales)
Values('M0001','Bond','1980-09-25',2000,1000,500);

Insert into Involvement(MIN,Aid,Did)
Values('M0001','A01','D01');

Insert into PeopleAndActors(Pid,Aid)
values('P001','A01');

Insert into PeopleAndDirectors(Pid,Did)
values('P002','D01');
```

Dependencies:

Pid→FName,LName,Address,D.O.B,Hair Color, Eye Colore, Height Inch, Weight Pounds.

Aid→Screen Actors guild Anniversary Date

Did→Film School Attended,Directors guild Anniversary Date

Min→Name,YearReleased,DomesticBoxOfficeSales,ForeignBoxOfficeSales,DVD/Blu-raySales

Queries:

Select Fname, Lname

from People

where $\text{Pid in}(\cdot)$

Select Pid

from PeopleandDirectors

where $\text{Did}_{in}(\cdot)$

Select Did

from Directors

where Did in(

select Did

from Involvement

where Aid in(

```
select Aid
```

from Actors

where Aid in(

select Aid

from PeopleAndActors

where $\text{Pid in}(\cdot)$

```
select Pid
```

from People

where FName='Sean' and LName='Connery'

)

)

)

)

)

$$);$$

