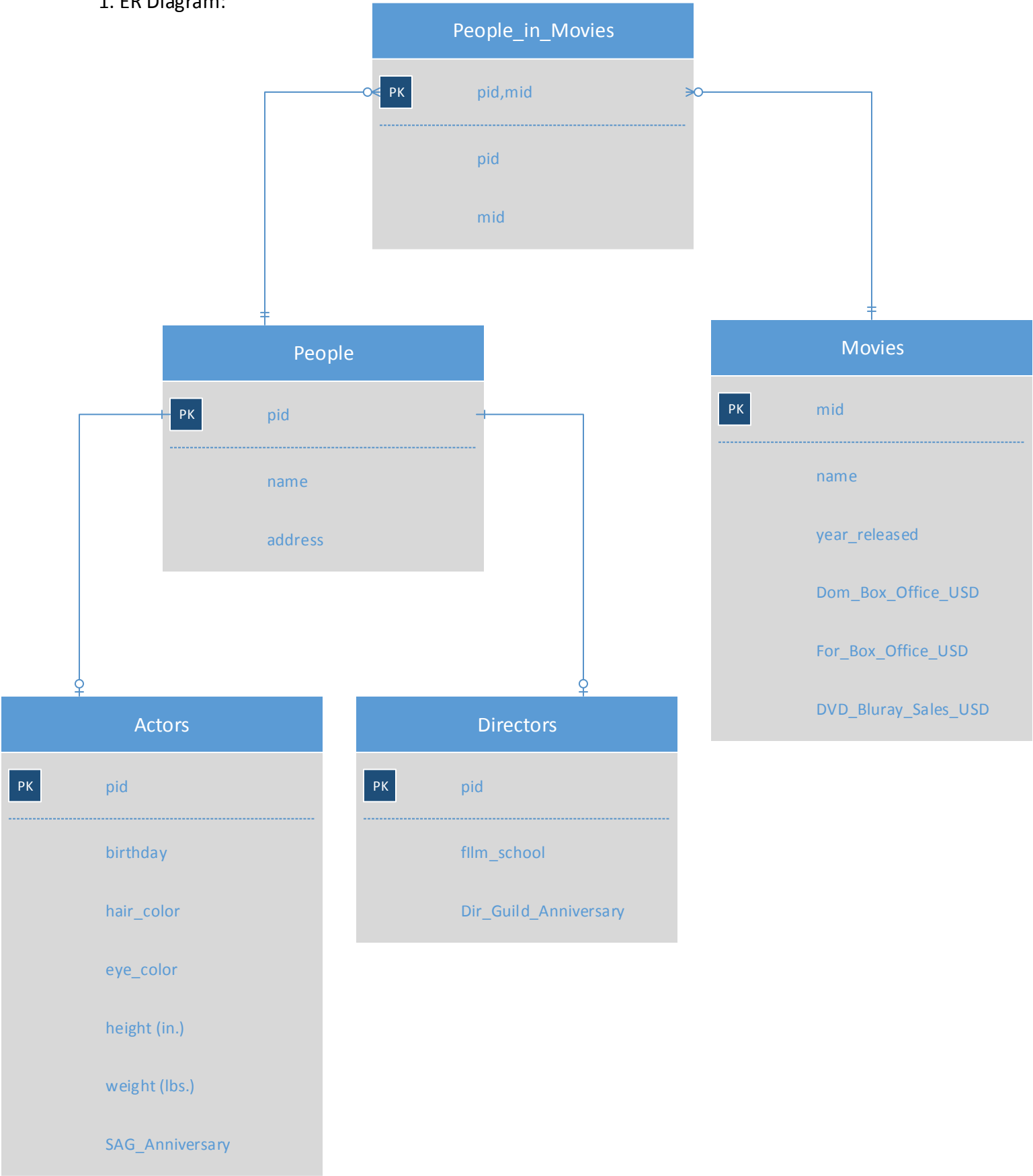


Joseph Schmidt  
1. ER Diagram:



## 2.Create Statements

--drop table Actors;

```
CREATE TABLE actors (  
    pid            int            not null,  
    birthday       date          not null,  
    hair_color     text          not null,  
    eye_color      text          not null,  
    height_in      numeric(2)    not null,  
    weight_lbs     numeric(5,2)  not null,  
    SAG_Anniversary date,  
    primary key (pid)  
);
```

--drop table Directors;

```
CREATE TABLE directors (  
    pid            int            not null,  
    film_school    text          not null,  
    Dir_Guild_Anniversary date,  
    primary key (pid)  
);
```

--drop table People;

```
CREATE TABLE people (  
    pid    int    not null,  
    name   text   not null,  
    address text   not null,  
    primary key (pid)  
);
```

--drop table Movies;

```
CREATE TABLE movies (  
    mid            int            not null,  
    name           text          not null,  
    year_released  numeric(4,0)  not null,  
    Dom_Box_Office_USD int        not null,  
    For_Box_Office_USD int        not null,  
    DVD_Bluray_Sales_USD int      not null,  
    primary key (mid)  
);
```

--drop table People\_in\_Movies;

```
create table people_in_movies(  
    pid    int    not null references people(pid),  
    mid    int    not null references movies(mid),  
    primary key (pid, mid)  
);
```

### 3. Insert Statements

Note: I could not find the anniversaries for either the SAG or DGA so I made that field not null since it's definitely not as important as the other information.

--drop table Actors;

```
CREATE TABLE actors (  
  pid          int          not null,  
  birthday     date         not null,  
  hair_color   text         not null,  
  eye_color    text         not null,  
  height_in    numeric(2)   not null,  
  weight_lbs   numeric(5,2) not null,  
  SAG_Anniversary date      not null,  
  primary key (pid)  
);
```

--drop table Directors;

```
CREATE TABLE directors (  
  pid          int  not null,  
  film_school  text  not null,  
  Dir_Guild_Anniversary date  not null,  
  primary key (pid)  
);
```

--drop table People;

```
CREATE TABLE people (  
  pid    int  not null,  
  name   text  not null,  
  address text  not null,  
  primary key (pid)  
);
```

--drop table Movies;

```
CREATE TABLE movies (  
  mid          int  not null,  
  name         text  not null,  
  year_released numeric(4,0)  not null,  
  Dom_Box_Office_USD int  not null,  
  For_Box_Office_USD int  not null,  
  DVD_Bluray_Sales_USD int  not null,  
  primary key (mid)  
);
```

--drop table People\_in\_Movies;

```
create table people_in_movies(  
  pid    int  not null references people(pid),  
  mid    int  not null references movies(mid),  
  primary key (pid, mid)  
);
```

Question 3 Continued:

insert into People(pid, name, address)

```
values(001, 'Sean Connery', 'Edinburgh, Scotland'),
      (002, 'Matthew McConaughey', 'Austin, Texas'),
      (003, 'Sean Bean', 'South Yorkshire, England'),
      (004, 'Robert Downey Jr.', 'New York City, New York'),
      (005, 'Hugh Jackman', 'New York City, New York'),
      (006, 'Terence Young', 'England'),
      (007, 'Martin Scorsese', 'New York, New York'),
      (008, 'Peter Jackson', 'New Zealand'),
      (009, 'Guy Ritchie', 'Hertfordshire, UK'),
      (010, 'Tom Hooper', 'London, England');
```

insert into Actors(pid, birthday, hair\_color, eye\_color, height\_in, weight\_lbs)

```
values(001, '1930-08-25', 'white', 'brown', 74, 180),
      (002, '1969-11-04', 'brown', 'blue', 72, 160),
      (003, '1959-04-17', 'brown', 'blue', 70, 176),
      (004, '1965-04-04', 'dark brown', 'brown', 69, 172),
      (005, '1968-10-12', 'dark brown', 'brown', 74, 183),
      (007, '1942-11-04', 'gray', 'brown', 64, 170);
```

insert into Directors (pid, film\_school)

```
values(001, null),
      (002, 'University of Texas in Austin'),
      (006, null),
      (007, 'New York University School of Film'),
      (008, null),
      (009, null),
      (010, null);
```

insert into Movies (mid, name, year\_released, Dom\_Box\_Office\_USD, For\_Box\_Office\_USD, DVD\_Bluray\_Sales\_USD)

```
values(1000, 'Dr.No', 1962, 16067035, 59600000, 0),
      (1001, 'The Wolf of Wall Street', 2013, 116900694, 389600694, 27022309),
      (1002, 'LOTR:Return of the King', 2003, 377845905, 1119929521, 5238513),
      (1003, 'Sherlock Holmes: A Game of Shadows', 2011, 186848418, 545448418,
88342951),
      (1004, 'Les Miserables', 2012, 148809770, 441809770, 63924964);
```

insert into People\_in\_Movies (pid, mid)

```
values(001, 1000),
      (002, 1001),
      (003, 1002),
      (004, 1003),
      (005, 1004),
      (006, 1000),
      (007, 1001),
      (008, 1002),
      (009, 1003),
      (010, 1004);
```

4. Actors: PID → birthday, hair\_color, eye\_color, height(in.), weight(lbs.), SAG\_Anniversary  
Directors: PID → film\_school, Dir.\_Guild\_Anniversary  
People: PID → name, address  
Movie: MID → name, year\_released, Dom.\_Box\_Office\_USD, For.\_Box\_Office\_USD,  
DVD/Blueray\_Sales  
People\_in\_Movies: PID,MID → PID, and MID

5." write a SQL query to return all the directors with whom actor 'SeanConnery' has worked."

Query - jamesbond on postgres@localhost:5432 - [C:\...]

File Edit Query Favourites Macros View Help

SQL Editor Graphical Query Builder

Previous queries

```
1  --By: Joseph Schmidt
2  --The answer for the lab query--
3  --Solved 11/6/2014--
4  select d.pid, pim.mid, p.name
5  from directors d inner join people_in_movies pim
6  on pim.pid = d.pid
7  inner join people p
8  on p.pid = d.pid
9  where pim.mid = ( select pim.mid
10                    from people_in_movies pim inner join people p
11                    on pim.pid = p.pid
12                    where p.name = 'Sean Connery'
13                    )
14  and p.name <> 'Sean Connery'
15
```

Output pane

Data Output Explain Messages History

	pid integer	mid integer	name text
1	6	1000	Terence Young