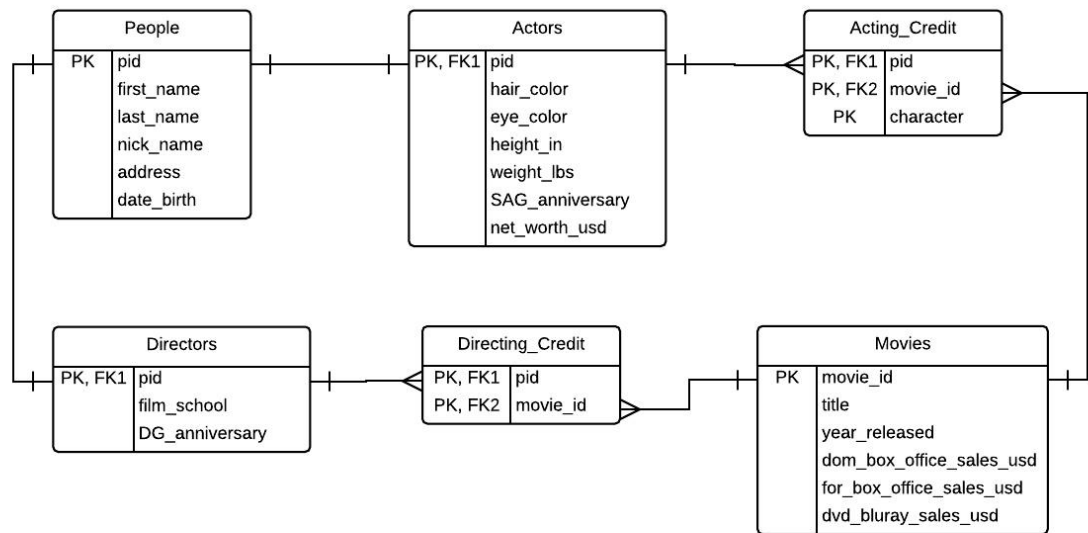


## Lab 8: Normalization Two

1)



2)

--People--

```

CREATE TABLE people (
  pid      varchar (4) not null,
  first_name text,
  last_name text,
  nick_name text,
  address  text,
  date_birth date,
  primary key (pid)
);
  
```

--Movies--

```
CREATE TABLE movies (  
  movie_id          varchar(4) not null,  
  title             text not null,  
  year_released     smallint not null,  
  dom_box_office_sales_usd  bigint,  
  for_box_office_sales_usd  bigint,  
  dvd_bluray_sales_usd     bigint,  
  primary key (movie_id)  
);
```

--Actors--

```
CREATE TABLE actors (  
  pid              varchar(4) not null references people(pid),  
  hair_color       text,  
  eye_color        text,  
  height_in        int,  
  weight_lbs       int,  
  SAG_anniversary  date default null,  
  net_worth_usd    bigint,  
  primary key (pid)  
);
```

--Directors--

```
CREATE TABLE directors (  
  pid              varchar(4) not null references people(pid),  
  film_school      text,  
  DG_anniversary   date,  
  primary key (pid)  
);
```

--Acting Credits--

```
CREATE TABLE acting_credits (  
  pid              varchar(4) not null references people(pid),  
  movie_id         varchar(4) not null references movies(movie_id),  
  character         text not null,  
  primary key (pid, movie_id, character)  
);
```

--Directing Credits--

```
CREATE TABLE directing_credits (  
  pid          varchar(4) not null references people(pid),  
  movie_id     varchar(4) not null references movies(movie_id),  
  primary key (pid, movie_id)  
);
```

3)

```
INSERT INTO people (pid, first_name, last_name, date_birth)  
VALUES ('p007', 'Sean', 'Connery', '1930-08-25'),  
      ('p001', 'Robert', 'Downey Jr.', '1965-04-04'),  
      ('p002', 'Joseph', 'Wiseman', '1918-05-15'),  
      ('p003', 'Christopher', 'Walken', '1943-03-31'),  
      ('p004', 'Uma', 'Thurman', '1970-04-29'),  
      ('p005', 'Quentin', 'Tarantino', '1963-03-27'),  
      ('p006', 'Frankie', 'Muniz', '1985-12-05'),  
      ('p008', 'Lucy', 'Liu', '1968-12-02'),  
      ('p009', 'Val', 'Kilmer', '1959-12-31'),  
      ('p010', 'Stanley', 'Kubrick', '1928-07-26'),  
      ('p011', 'Terence', 'Young', '1915-06-20'),  
      ('p012', 'Guy', 'Hamilton', '1922-09-16');
```

```
INSERT INTO actors (pid, hair_color, eye_color, height_in, weight_lbs,  
net_worth_usd, SAG_anniversary)  
VALUES ('p007', 'white', 'brown', 74, 210, 300000000, null),  
      ('p001', 'brown', 'brown', 69, 187, 170000000, null),  
      ('p002', 'black', 'brown', 72, 190, null, null),  
      ('p003', 'brown', 'brown', 72, 185, 245000000, null),  
      ('p004', 'blonde', 'blue', 71, 142, 45000000, null),  
      ('p005', 'brown', 'brown', 73, 196, 100000000, null),  
      ('p006', 'brown', 'blue', 65, 155, 40000000, null),  
      ('p008', 'black', 'brown', 63, 133, 16000000, null),  
      ('p009', 'brown', 'brown', 72, 208, 25000000, null);
```

```
INSERT INTO directors (pid, film_school, DG_anniversary)  
VALUES ('p005', 'none', null),  
      ('p010', 'none', null),  
      ('p011', null, null),  
      ('p012', null, null);
```

```

INSERT INTO movies (movie_id, title, year_released,
dom_box_office_sales_usd, for_box_office_sales_usd,
dvd_bluray_sales_usd)
VALUES ('m001', 'Dr. No', 1962, 16067035, 43500000, null),
      ('m002', 'Goldfinger', 1964, 51081062, 73800000, null),
      ('m003', 'Pulp Fiction', 1994, 107928762, 213928762, null),
      ('m004', 'Kill Bill: Vol. 1', 2003, 70099045, 180949045, null),
      ('m005', 'Seven Psychopaths', 2012, 15024049, 4422261, null),
      ('m006', 'Big Fat Liar', 2002, 47811275, null, null),
      ('m007', 'Kiss Kiss Bang Bang', 2005, 4243756, 11325713, null),
      ('m008', 'Dr. Strangelove or: How I Learned to Stop Worrying and Love
the Bomb', 1964, 9440272, null, null),
      ('m009', 'Charlie Bartlett', 2007, 3950294, null, null),
      ('m010', 'Django Unchained', 2012, 162805434, 263500000, null),
      ('m011', 'The League of Extraordinary Gentlemen', 2003, 66465204,
113400000, null),
      ('m012', 'The Shining', 1980, 44017374, null, null);

```

```

INSERT INTO acting_credits (pid, movie_id, character)
VALUES ('p007', 'm001', 'James Bond'),
      ('p007', 'm002', 'James Bond'),
      ('p007', 'm011', 'Allan Quatermain'),
      ('p001', 'm005', 'Harry Lockhart'),
      ('p001', 'm007', 'Nathan Gardner'),
      ('p002', 'm001', 'Dr. No'),
      ('p003', 'm003', 'Captain Koons'),
      ('p003', 'm005', 'Hans'),
      ('p004', 'm003', 'Mia Wallace'),
      ('p004', 'm004', 'The Bride'),
      ('p005', 'm003', 'Jimmie Dimmick'),
      ('p005', 'm010', 'The LeQuit Dickey Mining Co. Employee'),
      ('p005', 'm010', 'Robert (Bag Head)'),
      ('p006', 'm006', 'Jason Shepherd'),
      ('p008', 'm004', 'O-ren Ishii'),
      ('p009', 'm007', 'Gay Perry');

```

```

INSERT INTO directing_credits (pid, movie_id)
VALUES ('p005', 'm003'),
      ('p005', 'm004'),
      ('p005', 'm010'),
      ('p010', 'm008'),
      ('p010', 'm012'),
      ('p011', 'm001'),
      ('p012', 'm002');

```

4) People Table:

pid → first\_name  
pid → last\_name  
pid → nick\_name  
pid → address  
pid → date\_birth

Actors Table:

pid → hair\_color  
pid → eye\_color  
pid → height\_in  
pid → weight\_lbs  
pid → SAG\_anniversary  
pid → net\_worth\_usd

Directors Table:

pid → film\_school  
pid → DG\_anniversary

Movies Table:

movie\_id → name  
movie\_id → year\_released  
movie\_id → dom\_box\_office\_sales\_usd  
movie\_id → for\_box\_office\_sales\_usd  
movie\_id → dvd\_bluray\_sales\_usd

Acting\_Credit Table: No functional dependencies

Directing\_Credit Table: No functional dependencies

5) --Sean Connery Query--

[illegible]