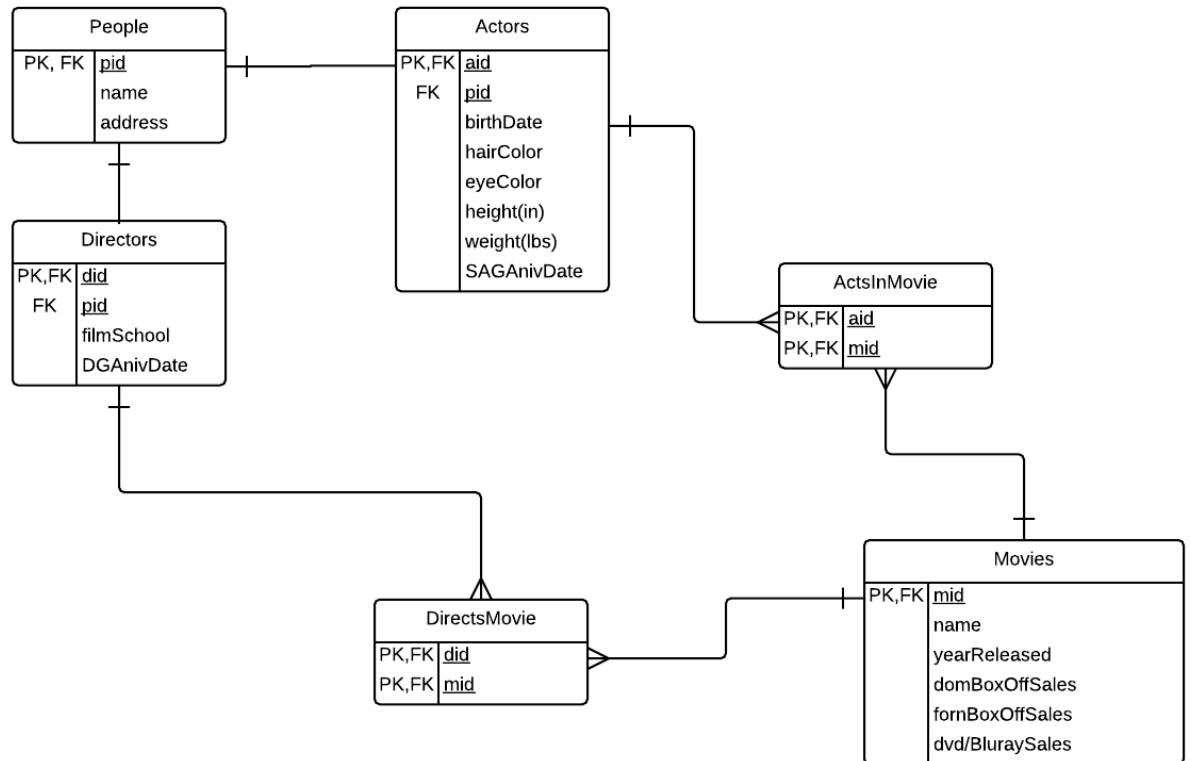Christina Ramos (Craig Dragon Whatever)

Lab 8: Normalization 2- Data Doogaloo

1.

2.

Create table people (

  pid   char(5)   not null,

  name   text   not null,

  address   text   not null,

 primary key (pid)

);

```sql
Create table actors (
    aid             char(5)         not null,
    pid             char(5)         not null references people(pid),
    birthDate       text,
    hairColor       text,
    eyeColor        text,
    height(in)      integert,
    weight(lbs)     integer,
    sagAnivDate     text
  primary key (aid)
);
Create table directors (
    did             char(5)         not null,
    pid             char(5)         not null references people(pid),
    filmSchool      text,
    DGAnivDate      text
  primary key (did)
);
Create table actsInMovie (
    aid             char(5)         not null references actors(aid),
    mid             char(5)         not null references movies(mid)
  primary key(aid,mid)
);
Create table directsMovie (
    did             char(5)         not null references directors(did),
    mid             char(5)         not null references movies(mid)
  primary key(did,mid)
);
```

```
Create table movies (

    mid              char(5)              not null,

    name             text,

    yearReleased     char(4),

    domBoxOffSales           integer,

    fornBoxOffSalesinteger,

    dvd/BluraySalesinteger

primary key(mid)

);
```

3.

```
Insert into people (pid, name, address)

    values('p0001', 'Daniel Craig', 'Throne of Ultimate Actorness');

Insert into people (pid, name, address)

    values('p0002', 'Sean Connery', 'Hell');

Insert into people (pid, name, address)

    values('p0003', 'Bob Directoractorman', 'No idea');

Insert into people (pid, name, address)

    values('p0004', 'Michael Bay', 'Boom');


Insert into actors (aid, pid, birthDate, hairColor, eyeColor, height(in), weight(lbs), SAGAnivDate)

    values('a0001', 'p0001',  '03/02/1968', 'blonde', 'blue', 70, 140, '10/05/2012');

Insert into actors (aid, pid, birthDate, hairColor, eyeColor, height(in), weight(lbs), SAGAnivDate)

    values('a0002', 'p0002', '08/25/1930', 'what hair', 'dark brown', 74, 150, '02/29/2013');

Insert into actors (aid, pid, birthDate, hairColor, eyeColor, height(in), weight(lbs), SAGAnivDate)

    values('a0003', 'p0003', '06/09/1963', 'black', 'green', 70, 145, '07/23/1993');


Insert into directors (did, pid, filmSchool, DGAnivDate)

    values('d0001', 'p0003', 'Marist College', '03/06/1999');

Insert into directors (did, pid, filmSchool, DG AnivDate)
```

values('d0002', 'p0004', 'Hollywood Blah', '04/15/2008');

Insert into actsInMovie (aid, mid)

  values('a0001', 'm0002');

Insert into actsInMovie (aid, mid)

  values('a0002', 'm0001');

Insert into actsInMovie (aid, mid)

  values('a0003', 'm0003');

Insert into directsMovie (did, mid)

  values('d0001', 'm0002');

Insert into directsMovie (did, mid)

  values('d0002', 'm0001');

Insert into directsMovie (did, mid)

  values('d0002', 'm0003');

Insert into movies (mid, name, yearReleased, domBoxOffSales, fornBoxOffSales, dvd/BluraySales)

  values('m0001', 'Transformers', 2004, 100, 90, 6);

Insert into movies (mid, name, yearReleased, domBoxOffSales, fornBoxOffSales, dvd/BluraySales)

  values('m0002', 'Some Movie', 2009, 200, 100, 90);

Insert into movies (mid, name, yearReleased, domBoxOffSales, fornBoxOffSales, dvd/BluraySales)

  values('m0003', 'Some Movie 2: Electric Boogaloo', 2014, 1, 2, 0);

4.
  a. People
      i. PID → name, address
  b. Actors
      i. PID → AID
      ii. AID → birthdate, hairColor, eyeColor, height(in), weight(lbs), SAGAnivDate
  c. Directors
      i. PID → DID
      ii. DID → filmSchool, DGAnivDate
  d. ActsInMovie
      i. MID → AID

    e. DirectsMovie
       i. MID → DID
    f. Movies
       i. MID → name, yearReleased, domBoxOffSales, fornBoxOffSales, dvd/BluraySales

5. select name

  from directors

  where did in (select did

          from directsMovie

         where mid in (select mid

               from actsInMovie

              where aid in (select aid

                   from actors

                  where name = 'Sean Connery')))