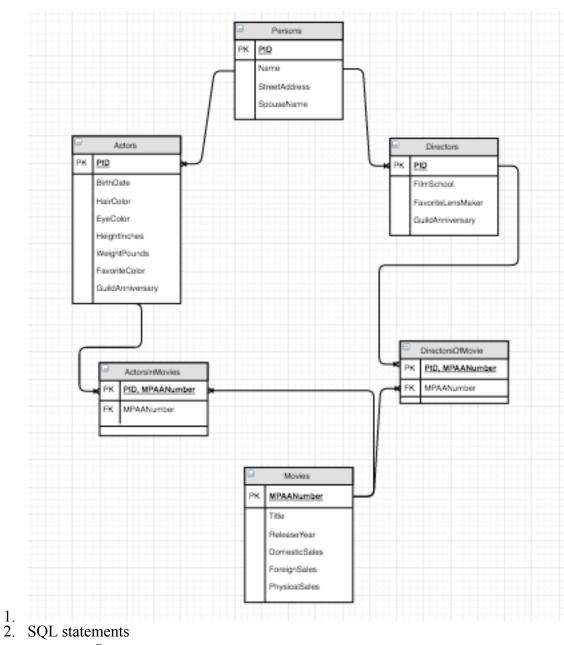
Megan Makini Dr. Alan Labouseur Database Management 10 November 2016

Lab 8: Normalization Two



```
a. --Persons--
  CREATE TABLE persons (
       pid
                       char(4) not null,
       name
                       text,
       address
                       text,
       spousename
                       text,
```

```
primary key (pid)
  );
b. --Actors--
  CREATE TABLE actors (
       pid
                    char(4) not null,
       birthdate
                    date,
       haircolor
                     text,
       eyecolor
                     text,
       height
                     numeric(3,2),
       weight
                    numeric(3,2),
       favoritecolor text,
       actorsquild date,
   primary key (pid)
  );
c. --Directors--
  CREATE TABLE directors (
       pid
                     char(4) not null,
       filmschool
                     text,
       favlensmaker text,
       directorsquild date,
   primary key (pid)
d. --ActorsInMovie--
  CREATE TABLE appearances (
       pid
                     char(4) not null,
       MPAAnumber numeric(5),
   primary key (pid, MPAANumber)
   foreign key (MPAANumber)
e. --DirectorsOfMovie--
  CREATE TABLE works (
       pid
                     char(4) not null,
       MPAAnumber numeric(5),
   primary key (pid, MPAANumber)
   foreign key (MPAANumber)
  );
f. --Movies--
  CREATE TABLE movies (
       MPAANumber numeric(5),
       ReleaseYear numeric(4),
       DomesticSales numeric(10,2),
       ForeignSales numeric(10,2),
       PhysicalSales numeric(10,2),
   primary key (MPAAnumber)
  );
```

3. Functional dependencies

- a. pid → name, address, spousename, birthdate, haircolor, eyecolor, heightIN, weightLB, favoritecolor, screenactorsguild, filmschool, favoritelensmaker, directorsguild, MPAANumber
- b. MPAANumber → releaseyear, domseticsales, foreignsales, physicalsales
- 4. Write a query to show all the directors with whom actor "Sean Connery" has worked. select d.pid, p.name