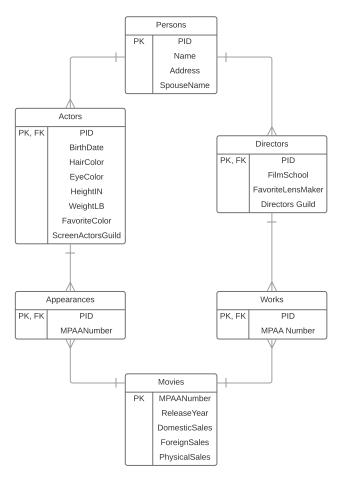
Lab 8: Normalization Two



```
1.2. SQL statements
     a. --Persons--
        CREATE TABLE persons (
             pid
                              char(4) not null,
             name
                              text,
             address
                              text,
             spousename
                              text,
         primary key (pid)
        );
     b. --Actors--
        CREATE TABLE actors (
                              char(4) not null,
             birthdate
```

date,

```
haircolor text,
       eyecolor
                    text,
                    numeric(3,2),
       height
       weight numeric(3,2),
       favoritecolor text,
       actorsquild
                     date,
   primary key (pid)
c. --Directors--
  CREATE TABLE directors (
                    char(4) not null,
       pid
       filmschool
                   text,
       favlensmaker text,
       directorsquild date,
   primary key (pid)
  );
d. --Appearances--
  CREATE TABLE appearances (
       pid
                   char(4) not null,
       MPAAnumber numeric(5),
   primary key (pid)
  );
e. --Works--
  CREATE TABLE works (
       pid
                    char(4) not null,
      MPAAnumber numeric(5),
   primary key (pid)
  );
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.  $pid \rightarrow name$ , address, spousename
- b. pid → birthdate, haircolor, eyecolor, heightIN, weightLB, favoritecolor, screenactorsguild
- c. pid → filmschool, favoritelensmaker, directorsguild
- d.  $pid \rightarrow MPAANumber$
- e. MPAANumber → releseyear, domseticsales, foreignsales, physicalsales

4. Write a query to show all the directors with whom actor "Sean Connery" has worked. select d.pid, p.name