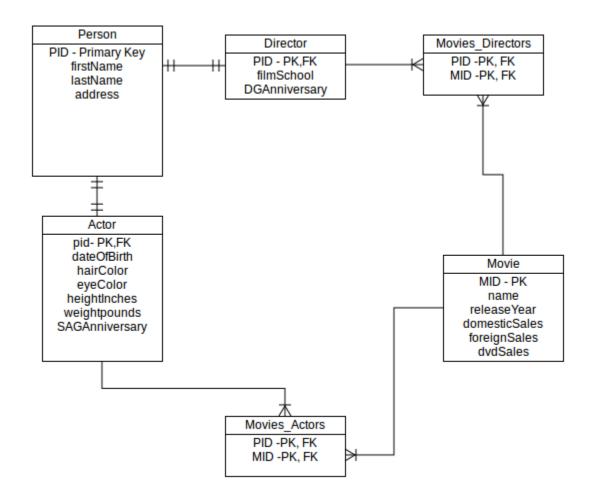
## 1. ER Diagram



```
2. SQL create statements
drop table if exists person;
create table person (
pid serial primary key,
firstName text not null,
lastName text not null,
address text not null
);
drop table if exists actor;
create table actor (
pid int primary key references person(pid),
dateOfBirth date not null,
hairColor text not null,
eyeColor text not null,
heightInches int not null,
weightPounds int not null,
SAGAnniversary date not null
);
drop table if exists director;
create table director (
pid int primary key references person(pid),
```

```
filmSchool text,
DGAnniversary date not null
);
drop table if exists movie;
create table movie (
mid serial primary key,
name text not null,
releaseYear int not null,
domesticSales money not null,
foreignSales money not null,
dvdSales money not null
);
drop table if exists movies_actors;
create table movie_actors (
pid int references people(pid),
mid int references movies(mid),
primary key(pid,mid)
);
drop table if exists movies_directors;
create table movie_directors (
pid int references people(pid),
mid int references movies(mid),
primary key(pid, mid)
);
4. Functional Dependencies
Movie:
mid → name, releaseYear, domesticSales, foreignSales, dvdSales
Person:
pid → firstName, lastName, address
Director:
pid → filmSchool, DGAnniversary
pid → dateOfBirth, hairColor, eyeColor, heightInches, weightPounds, SAGAnniversary
Movies Actors:
(pid, mid) →
Movies Directors:
```

(pid, mid) →

5. Query to find the directors Sean Connery has worked with