Entity-Relationship Diagram

Spouses

PK	pID
	FName
	LName

People

PK	pID
	FName
	LName
	streetAddress
FK1	zip

Cast'NCrew

PK,FK1	pID
PK,FK2	mID
PK	position

ZIP

PK	zip
	city
	state

Actors

PK,FK	pID
	DOB
	hairColor
	eyeColor
	heightInches
	weightLB
	favColor
	actGuildDate

Directors

PK,FK	pID
	filmSchool
	favLensMaker
	dirGuildDate

Movies

PK	mID
	name
	year
	MPAA
	DBOSalesUSD
	FBOSalesUSD
	discSalesUSD

Relationship labels: pID, zip, pID, pID, pID, mid

```sql
DROP TABLE IF EXISTS People;
DROP TABLE IF EXISTS Spouses;
DROP TABLE IF EXISTS ZIP;
DROP TABLE IF EXISTS Actors;
DROP TABLE IF EXISTS Directors;
DROP TABLE IF EXISTS Movies;
DROP TABLE IF EXISTS CastNCrew;

-- People Table --
CREATE TABLE People (
    pID integer not null,
    FName varchar(40) not null,
    LName varchar(40) not null,
    streetAddress varchar(52) not null,
    primary key(pID)
);

-- Spouses Table --
CREATE TABLE Spouses (
    pID integer not null references People(pID),
    FName varchar(40) not null,
    LName varchar(40) not null,
    primary key(pID)
);

-- Actors Table --
CREATE TABLE Actors (
    pID integer not null references People(pID),
    DOB date not null,
    hairColor varchar(20) not null,
    eyeColor varchar(20) not null,
    heightInches integer not null,
    weightLB integer not null,
    favColor varchar(20) not null,
    actGuildDate date not null,
    primary key(pID)

);

-- Directors Table --
CREATE TABLE Directors (
    pID integer not null references People(pID),
    filmSchool varchar(40),
    favLensMaker varChar(20) not null,
    dirGuildDate date not null,
    primary key(pID)

);
```

```sql
-- Movies Table --
CREATE TABLE Movies (
    mID integer not null,
    name varchar(40) not null,
    year integer not null,
    MPAA varchar(10) not null,
    DBOSalesUSD money not null,
    FBOSalesUSD money not null,
    discSalesUSD money not null,
    primary key(mID)

);

-- CastNCrew Table --
CREATE TABLE CastNCrew (
    pID integer not null references People(pID),
    mID integer not null references Movies(mID),
    position varchar(20) not null,
    primary key(pID,mID,position)
);

-- ZIP Table --
CREATE TABLE zip (
    zip integer not null,
    city varchar(40) not null,
    state varchar(2) not null,
    primary key(zip)
);

-- INSERTIONS --
INSERT INTO People(pID,FName,LName,streetAddress) VALUES (1,'Sean','Connery', '7 Agent Avenue');
INSERT INTO People(pID,FName,LName,streetAddress) VALUES (2,'Irvin','Kershner', '99 Director Avenue');
INSERT INTO Movies(mID, name, year, MPAA, DBOSalesUSD, FBOSalesUSD, discSalesUSD) Values (1,'James Bond 007',1985, 'R',
10000000, 10200200, 32222222);
INSERT INTO Actors(pID,DOB,hairColor, eyeColor, heightInches, weightLB, favColor, actGuildDate) VALUES (1, 1/2/1932,
'black', 'brown', 56, 150, 'blue', 1/2/1988);
INSERT INTO Directors(pID,filmSchool, favLensMaker, dirGuildDate) VALUES (2,'Film School A', 1/8/78);
INSERT INTO CastNCrew(pID,mID, position) VALUES (1,1,'actor');
INSERT INTO CastNCrew(pID,mID, position) VALUES (2,1,'director');

-- Query to find directors who worked with sean connery --
select FName, LName
from People
where pID in (
    select pID
    from CastNCrew
    where pID = 1
    AND where position = 'director'
);
```