

Siting Wang
11/09/14
Lab8

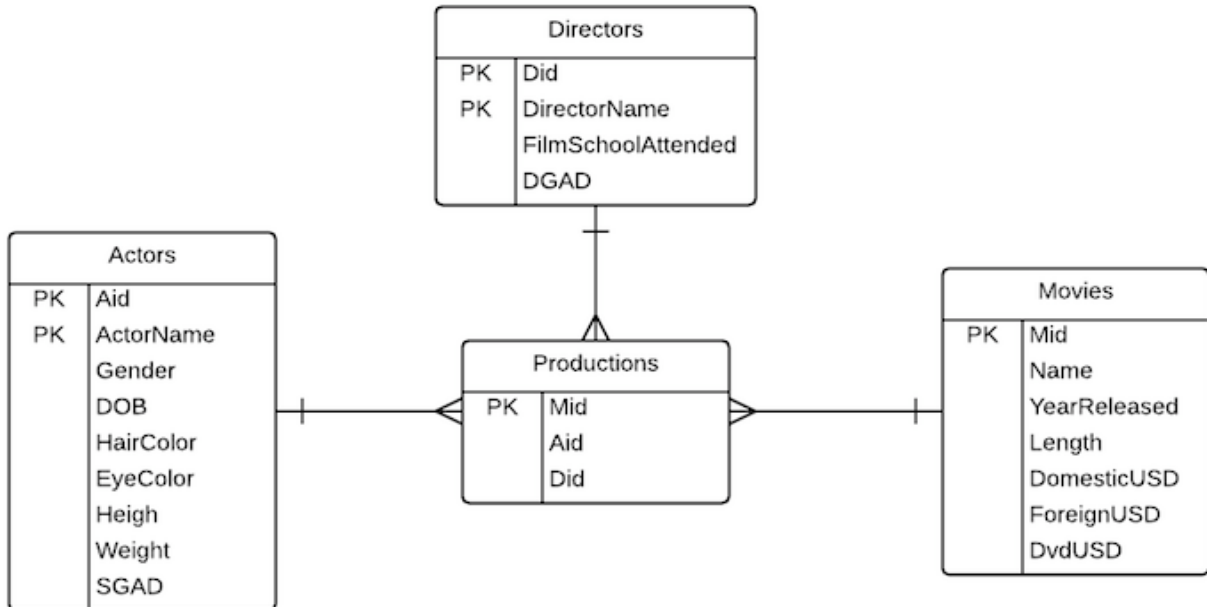
1. ER Diagram

Actors								
Aid	ActorName	Gender	DOB	HairColor	EyeColor	Heigh	Weight	SGAD
A01	Sean Conney	M	8/25/1930	Grey	Green	74	200	7/22/1966
A02	Ursula Andress	F	3/9/1936	Brown	Brown	65	125	3/12/1975
A03	Johnny Deo	M	6/19/1963	Brown	Brown	70	180	12/13/1994

Director			
Did	Name	FilmSchool	DGAD
D01	Louis Leterrier	LA FilmSchool	12/19/2006
D02	Irvin Kershner	Temple University	12/19/2006
D03	Gore Vervinski	UCLA	9/12/2001

Movie						
Mid	Name	YearReleased	Length(minutes)	DomesticUSD	ForeignUSD	DvdUSD
M01	The Crow	1994	102	200,000,000	120,000,000	800,000
M02	The Empire Stricks Back	1980	124	350,000,000	200,000,000	120,000
M03	Star Trek	2009	127	80,000,000	400,000,000	200,000,000

Production		
Mid	Aid	Did
M01	A01	D01
M02	A02	D02
M03	A03	D03



2. SQL create statements (one for each table)

--Actors

```

create table Actors(
Aid          char(5) not null,
ActorName    text not null,
Gender       text not null,
DOB          date not null,
HairColor    text not null,
EyeColor     text not null,
Heigh        int not null,
weight       int not null,
SGAD         date not null,
primary key(Aid)
);
  
```

--Directors

```

create table Directors(
Did          char(5) not null,
DirectorName text not null,
FilmSchoolAttended text not null,
DGAD         date not null,
primary key(Did)
);
  
```

```
--Movies
create table Movies(
Mid          char(5) not null,
MovieName    text not null,
YearReleased int not null,
DomesticSales      int not null,
ForeignSales  int not null,
primary key(Mid)
);
```

```
--Productions
create table Production(
Mid          char(5) not null,
Aid          char(5) not null,
Did          char(5) not null,
primary key(Aid)
);
```

3. SQL insert statements

```
--Actors
insert into Actors (Aid, ActorName, DOB, HairColor, EyeColor, Heigh, Weight, SGAD)
VALUES ('A01','Sean Conney','M','8/25/1930','Grey','Green','74','200','7/22/1966');
insert into Actors (Aid, ActorName, DOB, HairColor, EyeColor, Heigh, Weight, SGAD)
VALUES ('A02','Ursula Andress','F','3/9/1936','Brown','Brown','65','125','3/12/1975');
insert into Actors (Aid, ActorName, DOB, HairColor, EyeColor, Heigh, Weight, SGAD)
VALUES ('A03','Johnny Deoo','M','6/19/1963','Brown','Brown','70','180','12/13/1994');

--Directors
insert into Directors(Did, Name, FilmSchool, DGAD)
VALUES('D01', 'Louis Leterrier','LA FilmSchool','12/19/2006');
insert into Directors(Did, Name, FilmSchool, DGAD)
VALUES('D02', 'Irvin Kershner','Temple University','12/19/2006');
insert into Directors(Did, Name, FilmSchool, DGAD)
VALUES('D03', 'Gore Vervinski','UCLA','9/12/2001');

--Movies
insert into Movies(Mid, Name, YearReleased, Length, DomesticUSD, ForeignUSD,DvdUSD)
VALUES('M01','The Crow','1994','102','200,000,000','120,000,000','800,000');
insert into Movies(Mid, Name, YearReleased, Length, DomesticUSD, ForeignUSD,DvdUSD)
VALUES('M02','The Empire Stricks
Back','1980','124','350,000,000','200,000,000','120,000');
insert into Movies(Mid, Name, YearReleased, Length, DomesticUSD, ForeignUSD,DvdUSD)
VALUES('M03','Star Trek','2009','127','80,000,000','400,000,000','200,000,000');
```

--Productions

```
insert into Productions(Mid,Aid,Did)
    VALUES('M01','A01','D01');
insert into Productions(Mid,Aid,Did)
    VALUES('M02','A02','D02');
insert into Productions(Mid,Aid,Did)
    VALUES('M03','A03','D03');
```

4.Functional dependencies

-- Actors

Aid, ActorName->Gender, DOB, HairColor, EyeColor, Height, Weight, SGAD

--Directors

Did,DirectorName->FilmSchoolAttended, DGAD

--Movies

Mid->Name, YearReleased, Length, DomesticUSD, ForeignUSD, DvdUSD

5.

SELECT*

From directions d,

actors a,

productions p

WHERE a.aid = p.pid

AND d.did = p.pid

AND a.actorName= 'Sean Connery'