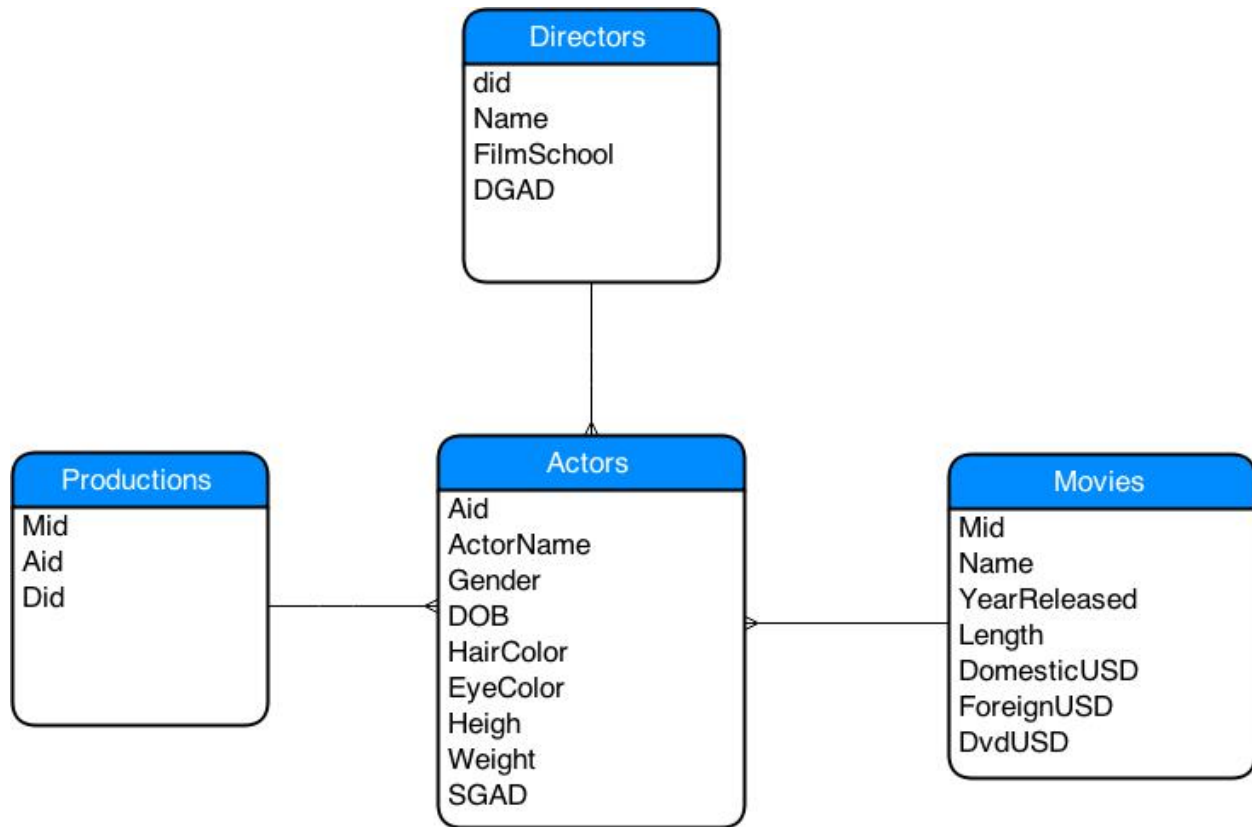


Siting Wang

11/09/14

Lab8

1. ER Diagram



2. SQL create statements (one for each table)

--Actors

```
--Actors
create table Actors(
Aid          char(3) not null,
ActorName    text,
Gender       text,
DOB          date,
HairColor    text,
EyeColor     text,
Height       int,
Weight       int,
SGAD         date,
primary key(Aid)
);
```

--Directors

```
--Directors
create table Directors(
Did          char(3) not null,
DirectorName text,
FilmSchoolAttended text,
DGAD         date,
primary key(Did)
);
```

--Movies

```
--Movies
create table Movies(
Mid          char(3) not null,
MovieName    text,
YearReleased int,
DomesticSales int,
ForeignSales int,
primary key(Mid)
);
```

--Productions

```
--Productions
create table Production(
Mid          char(3) not null,
Aid          char(3) not null,
Did          char(3) not null,
primary key(Aid)
);
```

3. SQL insert statements

--Actors

--Actors

```
insert into Actors (Aid, ActorName, DOB, HairColor, EyeColor, Height, 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, Height, 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, Height, Weight, SGAD)
VALUES ('A03', 'Johnny Deo', 'M', '6/19/1963', 'Brown', 'Brown', '70', '180', '12/13/1994');
```

--Directors

--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

--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

--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 ActorName
from Actors
where ActorName= 'Sean Conney'
```