My SQL Project

Movie Database

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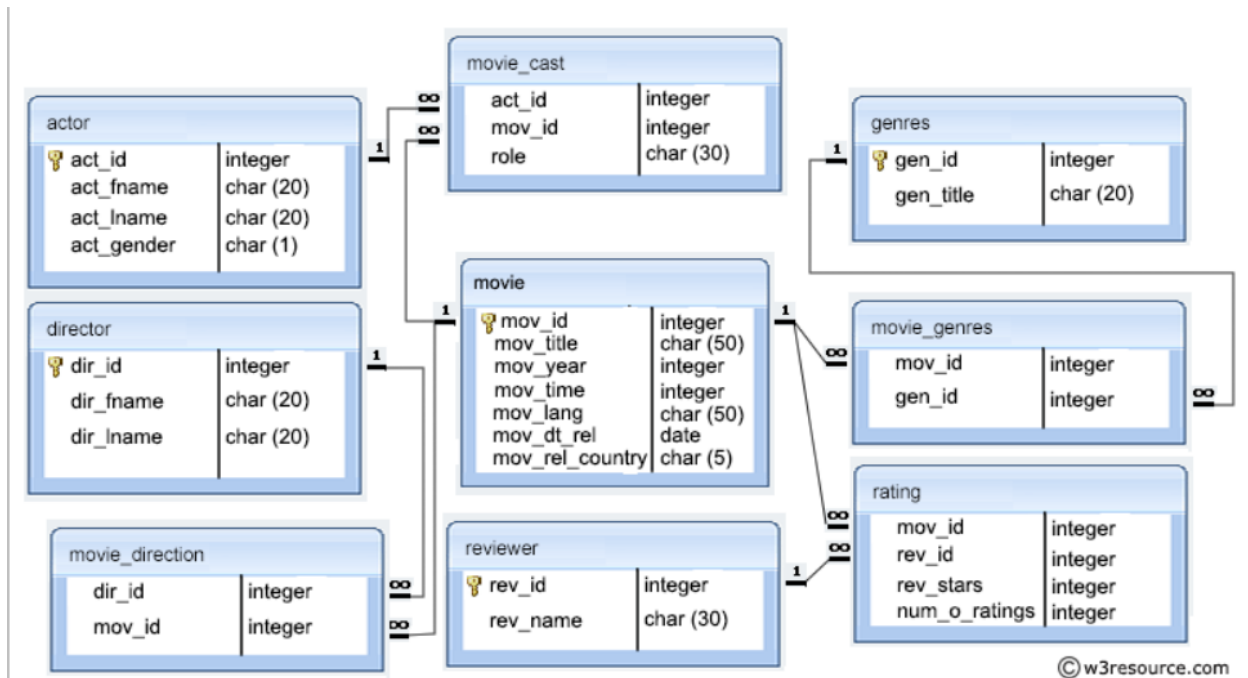
MariaDB [(none)]> use moviedb;

Database changed

MariaDB [moviedb]> <mark>create table movie(</mark>

   -> mov_id int primary key auto_increment,

   -> mov_title varchar(50) not null,

   -> mov_year int not null,

   -> mov_time int not null,

   -> mov_lang varchar(50),

   -> mov_dt_rel date,

   -> mov_rel_country varchar(50));

Query OK, 0 rows affected (0.219 sec)

```
MariaDB [moviedb]> desc movie;

+-----------------+-------------+------+-----+---------+----------------+
| Field           | Type        | Null | Key | Default | Extra          |
+-----------------+-------------+------+-----+---------+----------------+
| mov_id          | int(11)     | NO   | PRI | NULL    | auto_increment |
| mov_title       | varchar(50) | NO   |     | NULL    |                |
| mov_year        | int(11)     | NO   |     | NULL    |                |
| mov_time        | int(11)     | NO   |     | NULL    |                |
| mov_lang        | varchar(50) | YES  |     | NULL    |                |
| mov_dt_rel      | date        | YES  |     | NULL    |                |
| mov_rel_country | varchar(50) | YES  |     | NULL    |                |
+-----------------+-------------+------+-----+---------+----------------+
7 rows in set (0.144 sec)
```

MariaDB [moviedb]>insert into Movie values("901","Vertigo","1958","128","English","1958-08-24","UK"),

("902","BoogieNights","1997",155,"English","1998-02-16","uk"),

("903" ,"The Usual Suspects", "1995 " ,106 ," English","1995-08-25","USA"),

("904", "Chinatown" ,"1974 " ,130 ,"English" , "1974-08-09","UK"),

("905","Annie Hall", "1977 ",93 ,"English","1977-04-20" ,"USA");

```
MariaDB [moviedb]> select * from movie;

+--------+-------------------+----------+----------+----------+------------+-----------------+
| mov_id | mov_title         | mov_year | mov_time | mov_lang | mov_dt_rel | mov_rel_country |
+--------+-------------------+----------+----------+----------+------------+-----------------+
|    901 | Vertigo           |     1958 |      128 | English  | 1958-08-24 | UK              |
|    902 | Boogie Nights     |     1997 |      155 | English  | 1998-02-16 | uk              |
|    903 | The Usual Suspects |    1995 |      106 | English  | 1995-08-25 | USA             |
|    904 | Chinatown         |     1974 |      130 | English  | 1974-08-09 | UK              |
|    905 | Annie Hall        |     1977 |       93 | English  | 1977-04-20 | USA             |
+--------+-------------------+----------+----------+----------+------------+-----------------+
5 rows in set (0.095 sec)
```

MariaDB [moviedb]> create table actor(

   -> act_id int primary key auto_increment,

   -> act_fname varchar(20) not null,

   -> act_lname varchar(20),

   -> act_gender char(1));

Query OK, 0 rows affected (0.309 sec)

MariaDB [moviedb]> desc actor;

```
+------------+-------------+------+-----+---------+----------------+
| Field      | Type        | Null | Key | Default | Extra          |
+------------+-------------+------+-----+---------+----------------+
| act_id     | int(11)     | NO   | PRI | NULL    | auto_increment |
| act_fname  | varchar(20) | NO   |     | NULL    |                |
| act_lname  | varchar(20) | YES  |     | NULL    |                |
| act_gender | char(1)     | YES  |     | NULL    |                |
+------------+-------------+------+-----+---------+----------------+
```

4 rows in set (0.040 sec)

MariaDB [moviedb]> insert into actor values("101", "James", "Stewart", " M"),("102 ","Deborah" ,"Kerr" , "F"),("103","Peter" ,"Otoole" ,"M"),("104","Robert", "De Niro" ,"M"),("105" ,"F. Murray" ,"Abraham" ,"M");

Query OK, 5 rows affected, 2 warnings (0.127 sec)

Records: 5 Duplicates: 0 Warnings: 2

```
MariaDB [moviedb]> select * from actor;

+--------+-----------+-----------+------------+
| act_id | act_fname | act_lname | act_gender |
+--------+-----------+-----------+------------+
|    101 | James     | Stewart   | M          |
|    102 | Deborah   | Kerr      | F          |
|    103 | Peter     | Otoole    | M          |
|    104 | Robert    | De Niro   | M          |
|    105 | F. Murray | Abraham   | M          |
+--------+-----------+-----------+------------+
5 rows in set (0.001 sec)

MariaDB [moviedb]> create table movie_cast(
    -> act_id int,
    -> mov_id int,
    -> role varchar(20),
    -> foreign key(act_id) references actor(act_id),
    -> foreign key(mov_id) references movie(mov_id));
Query OK, 0 rows affected (0.251 sec)
```

```
MariaDB [moviedb]> desc Movie_cast;

+--------+-------------+------+-----+---------+-------+
| Field  | Type        | Null | Key | Default | Extra |
+--------+-------------+------+-----+---------+-------+
| act_id | int(11)     | YES  | MUL | NULL    |       |
| mov_id | int(11)     | YES  | MUL | NULL    |       |
| role   | varchar(20) | YES  |     | NULL    |       |
+--------+-------------+------+-----+---------+-------+
3 rows in set (0.037 sec)
```

MariaDB [moviedb]> **insert into movie_cast values**("101","901","John Scottie Ferguson"),("102" ,"902", "Eddie Adams"),("103","903", "McManus"),("104","904","Antonio Salieri"),("105","905","Alice Harford");

Query OK, 5 rows affected, 1 warning (0.088 sec)

Records: 5 Duplicates: 0 Warnings: 1

MariaDB [moviedb]> select * from movie_cast;

```
+--------+--------+----------------------+
| act_id | mov_id | role                 |
+--------+--------+----------------------+
|    101 |    901 | John Scottie Ferguso |
|    102 |    902 | Eddie Adams          |
|    103 |    903 | McManus              |
|    104 |    904 | Antonio Salieri      |
|    105 |    905 | Alice Harford        |
+--------+--------+----------------------+
```

5 rows in set (0.000 sec)

MariaDB [moviedb]> create table director(dir_id int primary key auto_increment,dir_fname varchar(250) not null,dir_iname varchar(260) not null);

Query OK, 0 rows affected (0.237 sec)

MariaDB [moviedb]> desc director;

```
+-----------+--------------+------+-----+---------+----------------+
| Field     | Type         | Null | Key | Default | Extra          |
+-----------+--------------+------+-----+---------+----------------+
| dir_id    | int(11)      | NO   | PRI | NULL    | auto_increment |
| dir_fname | varchar(250) | NO   |     | NULL    |                |
| dir_iname | varchar(260) | NO   |     | NULL    |                |
+-----------+--------------+------+-----+---------+----------------+
```

3 rows in set (0.082 sec)

MariaDB [moviedb]> <mark>insert into director values</mark>("101", "James", "Tony"),("102 ","Deborah" ,"Arnold"),("103","Peter" ,"lenne"),("104","Robert", "ken"),("105" ,"F. Murray" ,"jam");

Query OK, 5 rows affected, 1 warning (0.146 sec)

Records: 5 Duplicates: 0 Warnings: 1

MariaDB [moviedb]> select * from director;

```
+--------+-----------+-----------+
| dir_id | dir_fname | dir_iname |
+--------+-----------+-----------+
|    101 | James     | Tony      |
|    102 | Deborah   | Arnold    |
|    103 | Peter     | lenne     |
|    104 | Robert    | ken       |
|    105 | F. Murray | jam       |
+--------+-----------+-----------+
```

5 rows in set (0.000 sec)

MariaDB [moviedb]> CREATE TABLE movie_direction (

    ->   dri_id INT,

    ->   mov_id INT,

    ->   FOREIGN KEY (dri_id) REFERENCES director(dir_id),

    ->   FOREIGN KEY (mov_id) REFERENCES movie(mov_id)

    ->);

Query OK, 0 rows affected (0.710 sec)

MariaDB [moviedb]> desc movie_direction ;

```
+--------+---------+------+-----+---------+-------+
| Field  | Type    | Null | Key | Default | Extra |
+--------+---------+------+-----+---------+-------+
| dri_id | int(11) | YES  | MUL | NULL    |       |
| mov_id | int(11) | YES  | MUL | NULL    |       |
+--------+---------+------+-----+---------+-------+
```

2 rows in set (0.022 sec)

MariaDB [moviedb]> insert movie_direction values("101","901"),("102","902"),("103","903"),("104","904"),("105","905");

Query OK, 5 rows affected (0.204 sec)

Records: 5 Duplicates: 0 Warnings: 0

MariaDB [moviedb]> select * from movie_direction;


```
+--------+--------+
| dri_id | mov_id |
+--------+--------+
|    101 |    901 |
|    102 |    902 |
|    103 |    903 |
|    104 |    904 |
|    105 |    905 |
+--------+--------+
```

5 rows in set (0.000 sec)

MariaDB [moviedb]> create table reviewer(

    -> rev_id int primary key auto_increment,

    -> rev_name char(30) not null

    ->);

Query OK, 0 rows affected (0.479 sec)

```
MariaDB [moviedb]> desc reviewer;

+----------+----------+------+-----+---------+----------------+
| Field    | Type     | Null | Key | Default | Extra          |
+----------+----------+------+-----+---------+----------------+
| rev_id   | int(11)  | NO   | PRI | NULL    | auto_increment |
| rev_name | char(30) | NO   |     | NULL    |                |
+----------+----------+------+-----+---------+----------------+
2 rows in set (0.088 sec)
```

MariaDB [moviedb]> **insert into reviewer** values("501","Mark"),("502","peter"),("503","mery"),("504","johan") ,("505","masco");

Query OK, 5 rows affected (0.111 sec)

Records: 5 Duplicates: 0 Warnings: 0

MariaDB [moviedb]> select * from reviewer;

```
+--------+----------+
| rev_id | rev_name |
+--------+----------+
|    501 | Mark     |
|    502 | peter    |
|    503 | mery     |
|    504 | johan    |
|    505 | masco    |
+--------+----------+
```

5 rows in set (0.001 sec)

MariaDB [moviedb]> create table genres(

   -> gen_id int primary key auto_increment,

   -> gen_titel char(20) not null

   ->);

Query OK, 0 rows affected (0.513 sec)

MariaDB [moviedb]> desc genres;

```
+-----------+----------+------+-----+---------+----------------+
| Field     | Type     | Null | Key | Default | Extra          |
+-----------+----------+------+-----+---------+----------------+
| gen_id    | int(11)  | NO   | PRI | NULL    | auto_increment |
| gen_titel | char(20) | NO   |     | NULL    |                |
+-----------+----------+------+-----+---------+----------------+
```

2 rows in set (0.040 sec)

MariaDB [moviedb]> insert into genres values("211","Thriller"),("885","Comedy");

Query OK, 2 rows affected (0.083 sec)

Records: 2 Duplicates: 0 Warnings: 0

MariaDB [moviedb]> select * from genres;

```
+--------+-----------+
| gen_id | gen_titel |
+--------+-----------+
|    211 | Thriller  |
|    310 | Action    |
|    315 | Horror    |
|    517 | Drama     |
|    885 | Comedy    |
+--------+-----------+
```

5 rows in set (0.001 sec)

MariaDB [moviedb]> create table move_genres(

   -> mov_id int,

   -> gen_id int,

   -> FOREIGN KEY (mov_id) REFERENCES movie(mov_id),

   -> FOREIGN KEY (gen_id) REFERENCES genres(gen_id)

   ->);

Query OK, 0 rows affected (0.264 sec)

MariaDB [moviedb]> desc move_genres

   -> ;

```
+--------+---------+------+-----+---------+-------+
| Field  | Type    | Null | Key | Default | Extra |
+--------+---------+------+-----+---------+-------+
| mov_id | int(11) | YES  | MUL | NULL    |       |
| gen_id | int(11) | YES  | MUL | NULL    |       |
+--------+---------+------+-----+---------+-------+
```

2 rows in set (0.048 sec)

MariaDB [moviedb]> <mark>insert into move_genres</mark> values("901","310"),("902","315"),("903","517"),("904","211"),("905","885");

Query OK, 5 rows affected (0.208 sec)

Records: 5 Duplicates: 0 Warnings: 0

MariaDB [moviedb]> select * from move_genres ;

```
+--------+--------+
| mov_id | gen_id |
+--------+--------+
|    901 |    310 |
|    902 |    315 |
|    903 |    517 |
|    904 |    211 |
|    905 |    885 |
+--------+--------+
5 rows in set (0.001 sec)
```

MariaDB [moviedb]> create table rating(

```
    -> mov_id int,
    -> rev_id int,
    -> rev_stars int,
    -> num_o_ratings int,
    -> FOREIGN KEY (mov_id) REFERENCES movie(mov_id),
    -> FOREIGN KEY (rev_id) REFERENCES reviewer(rev_id)
    -> );
Query OK, 0 rows affected (0.456 sec)
```

MariaDB [moviedb]> desc rating;

```
+---------------+---------+------+-----+---------+-------+
| Field         | Type    | Null | Key | Default | Extra |
+---------------+---------+------+-----+---------+-------+
| mov_id        | int(11) | YES  | MUL | NULL    |       |
| rev_id        | int(11) | YES  | MUL | NULL    |       |
| rev_stars     | int(11) | YES  |     | NULL    |       |
| num_o_ratings | int(11) | YES  |     | NULL    |       |
+---------------+---------+------+-----+---------+-------+
4 rows in set (0.055 sec)
```

MariaDB [moviedb]> <mark>insert into rating values</mark>("901","501","3","5"),("902","502","2","3"),("903","503","6","7"),("904","504","3","2"),("905","505","8","9");

Query OK, 1 row affected, 1 warning (0.137 sec)

```
MariaDB [moviedb]> select * from  rating;

+--------+--------+-----------+---------------+
| mov_id | rev_id | rev_stars | num_o_ratings |
+--------+--------+-----------+---------------+
|   901 |   501 |        3 |            5 |
|   902 |   502 |        2 |            3 |
|   903 |   503 |        6 |            7 |
|   904 |   504 |        3 |            2 |
|   905 |   505 |        8 |            9 |
+--------+--------+-----------+---------------+
5 rows in set (0.001 sec)
```