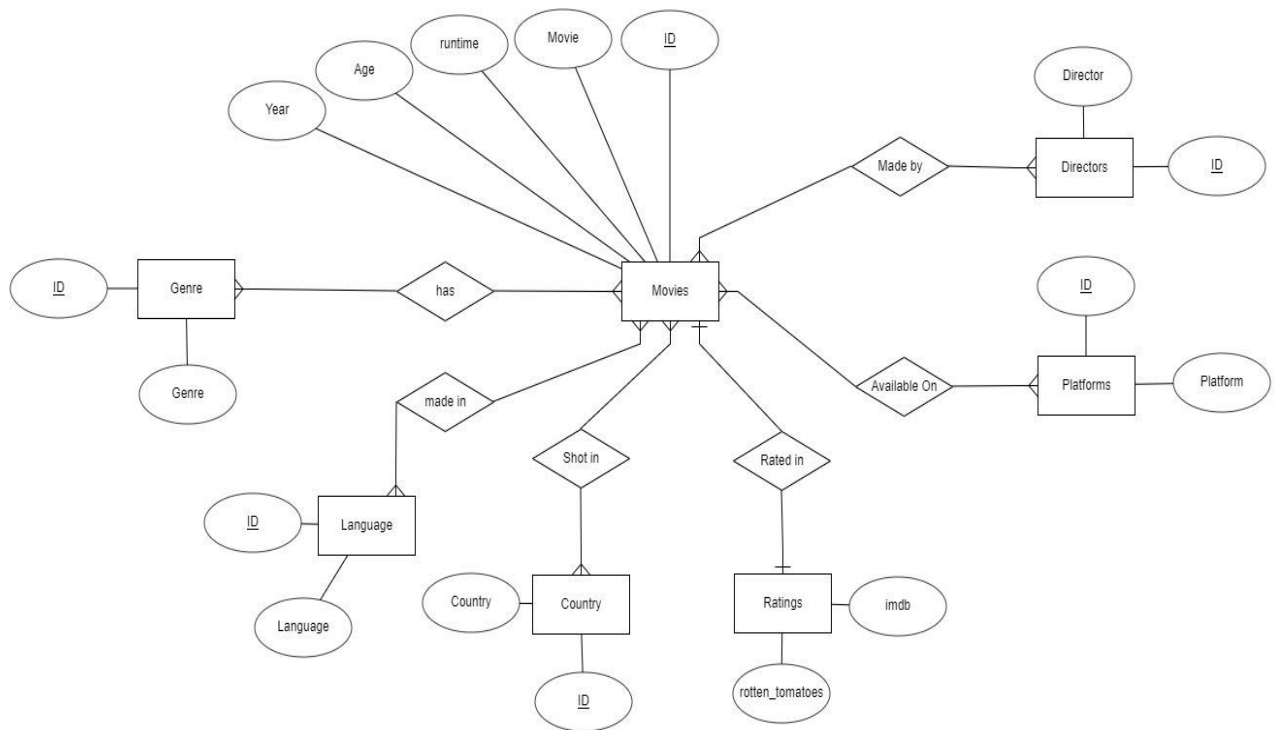


INTRODUCTION TO DATABASE MANAGEMENT SYSTEM PROJECT PART 2

Domain:

Movies on Netflix, Prime Video, Hulu and Disney+
A collection of movies found on these platforms.

ER Diagram:



Relational Schema:

Movies (ID, movie, year, age, runtime)

Genre (ID, genre)

GenreRel (Movie_id, genre_id)

Movie_id is a foreign key referenced from table movies (ID)

Genre_id is a foreign key referenced from the table genre (ID)

Platforms (ID, platform)

Platformrel (movie_id, platform_id)

Movie_id is a foreign key referenced from table movies (ID)

platform_id is a foreign key referenced from the table Platforms(ID)

Language (ID, language)

Languagerel (Movie_id, lang_id)

Movie_id is a foreign key referenced from table movies (ID)

lang_id is a foreign key referenced from the table Language(ID)

Directors (ID, director)

Directorrel (Movie_id, director_id)

Movie_id is a foreign key referenced from table movies (ID)

director_id is a foreign key referenced from the table Directors(ID)

Country (ID, country)

Countryrel (movie_id, country_id)

Movie_id is a foreign key referenced from table movies (ID)

country_id is a foreign key referenced from the table Country (ID)

Ratings (movie_id, imdb, rotten_tomatoes)

Movie_id is a foreign key referenced from table movies (ID)

Table creation and Insertion:

```
CREATE TABLE movies (Id INT PRIMARY KEY, movie TEXT NOT NULL, year INT, age TEXT, runtime INT);
```

```
[f20tdb19=> CREATE TABLE movies (Id INT PRIMARY KEY, movie TEXT NOT NULL, year INT, age TEXT, runtime INT);
CREATE TABLE
[f20tdb19=> SELECT * FROM movies;
id | movie | year | age | runtime
----+-----+-----+----+-----
(0 rows)
```

phpPgAdmin

PostgreSQL 12.4 (Ubuntu 12.4-1.pgdg20.04+1) running on localhost:5432 -- You are logged in as user "f20tdb19" [SQL](#) | [History](#) | [Find](#) | [Logout](#)

phpPgAdmin: Database Class? f20tdb19: f20tdb19: movies:

Columns Browse Select? Insert? Indexes? Constraints? Triggers? Rules? Admin Info Privileges? Import Export

Select

SELECT "id","movie","year","age" FROM "f20tdb19"."movies"

Submit

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 Next > Last >>

Actions	id	movie	year	age
Edit Delete	1	Inception	2010	13+
Edit Delete	2	The Matrix	1999	18+
Edit Delete	3	Avengers: Infinity War	2018	13+
Edit Delete	4	Back to the Future	1985	7+
Edit Delete	5	The Good, the Bad and the Ugly	1966	18+
Edit Delete	6	Spider-Man: Into the Spider-Verse	2018	7+
Edit Delete	7	The Pianist	2002	18+
Edit Delete	8	Django Unchained	2012	18+
Edit Delete	9	Raiders of the Lost Ark	1981	7+
Edit Delete	10	Inglourious Basterds	2009	18+
Edit Delete	11	Taxi Driver	1976	18+
Edit Delete	12	3 Idiots	2009	13+
Edit Delete	13	Pan's Labyrinth	2006	18+
Edit Delete	14	Room	2015	18+
Edit Delete	15	Monty Python and the Holy Grail	1975	7+
Edit Delete	16	Once Upon a Time in the West	1968	13+
Edit Delete	17	Indiana Jones and the Last Crusade	1989	13+
Edit Delete	18	Groundhog Day	1993	7+
Edit Delete	19	The King's Speech	2010	18+
Edit Delete	20	Her	2013	18+
Edit Delete	21	There Will Be Blood	2007	18+
Edit Delete	22	The Social Network	2010	13+
Edit Delete	23	Dallas Buyers Club	2013	18+
Edit Delete	24	The Perks of Being a Wallflower	2012	13+

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CREATE TABLE ratings (Movie_id INT, imdb real, rotten_tomatoes INT, FOREIGN KEY(movie_id) REFERENCES movies(Id));

```
[f20tdb19=> CREATE TABLE ratings (Movie_id INT, imdb real, rotten_tomatoes INT, FOREIGN KEY(movie_id) REFERENCES movies(Id));
CREATE TABLE
[f20tdb19=> SELECT * FROM ratings;
movie_id | imdb | rotten_tomatoes
-----+-----+-----
(0 rows)
```

phpPgAdmin

Servers

Database Class

f20tdb19

Schemas

Movie

f20tdb19

public

sailors

spy

store

PostgreSQL 12.4 (Ubuntu 12.4-1.pgdg20.04+1) running on localhost:5432 -- You are logged in as user "f20tdb19"

SQL | History | Find | Logout

phpPgAdmin: Database Class: f20tdb19: f20tdb19: ratings:

ColumnsBrowseSelectInsertIndexesConstraintsTriggersRulesAdminInfoPrivilegesImportExport

Select

SELECT "movie_id","imdb","rotten_tomatoes" FROM "f20tdb19"."ratings"

Submit

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 Next > Last >>

movie_id	imdb	rotten_tomatoes
1	8.8	87
2	8.7	87
3	8.5	84
4	8.5	96
5	8.8	97
6	8.4	97
7	8.5	95
8	8.4	87
9	8.4	95
10	8.3	89
11	8.3	95
12	8.4	100
13	8.2	95
14	8.1	93
15	8.2	97
16	8.5	95
17	8.2	88
18	8	96
19	8	95

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