Zeba Khan Rafi
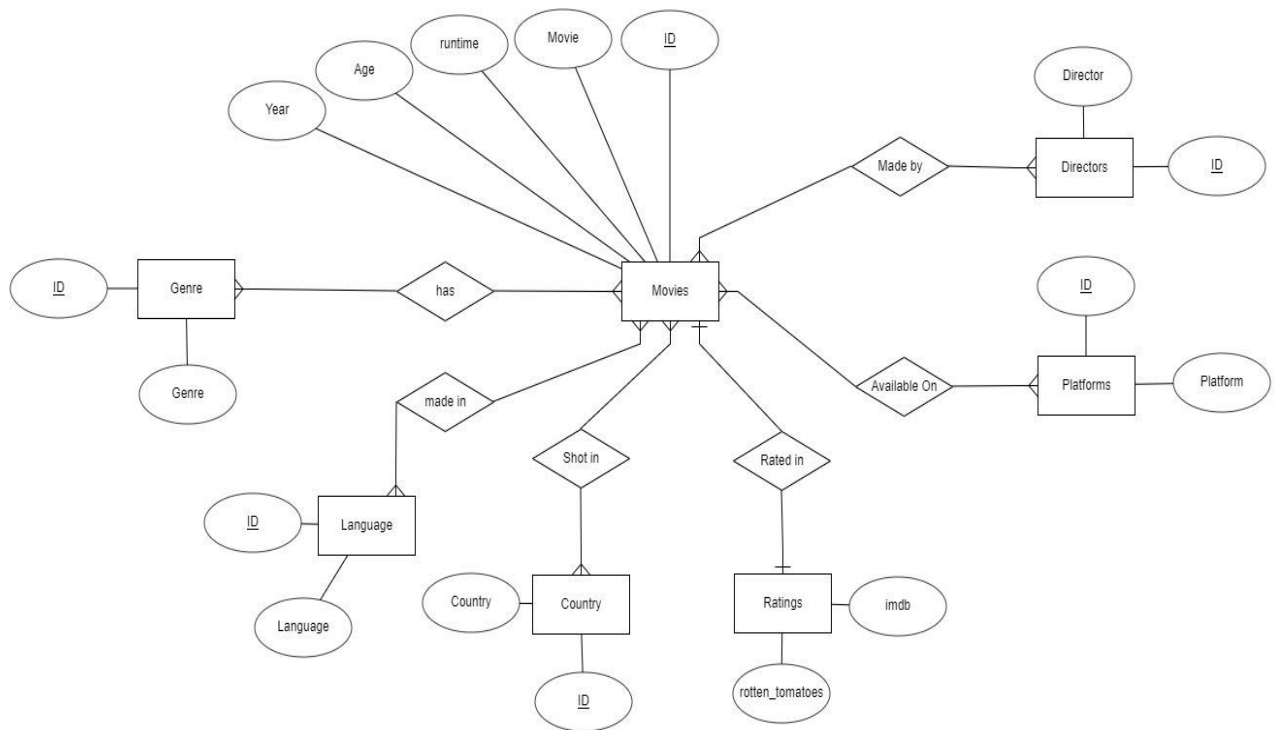**Harie Vashini Dhamodharasamy Kalpana**

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 (<u>ID</u>, movie, year, age, runtime)

Genre (<u>ID</u>, 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)
plattform_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 IN]
T, age TEXT, runtime INT);
 CREATE TABLE
[f20tdb19=> SELECT * FROM movies;                                              ]
  id | movie | year | age | runtime
 ----+-------+------+-----+---------
 (0 rows)
```

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, F
OREIGN 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

phpPgAdmin: Database Class? : f20tdb19? : f20tdb19? : ratings? :

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

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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