PROJECT DETAILS [DESCRIPTION]

Table Descriptions

1. movie Table

This table contains core information about each movie.

id: The unique identifier for each movie (Primary Key).

title: The title of the movie.

year: The year the movie was released.

date\_published: The specific date the movie was released.

duration: The running time of the movie in minutes.

country: The country or countries where the movie was produced.

worlwide\_gross\_income: The movie's total gross income worldwide.

languages: The language or languages spoken in the movie.

production\_company: The company or companies that produced the movie.

2. ratings Table

This table stores the rating details for each movie.

movie\_id: The identifier of the movie, which links to the id column in the movie table (Primary Key and Foreign Key).

avg\_rating: The average rating given to the movie.

total\_votes: The total number of votes the movie received.

median\_rating: The median rating for the movie.

3. genre Table

This is a linking table for a many-to-many relationship between movies and genres, as a single movie can have multiple genres.

movie\_id: The identifier of the movie (Foreign Key to movie table).

genre: The genre of the movie.

4. names Table

This table contains information about individuals associated with the movies (e.g., actors, directors).

id: The unique identifier for each person (Primary Key).

name: The full name of the person.

height: The height of the person.

date\_of\_birth: The person's date of birth.

known\_for\_movies: A list of movie identifiers (ids) that the person is known for.

5. director\_mapping Table

This is a linking table for a many-to-many relationship between movies and directors. A movie can have multiple directors, and a director can direct multiple movies.

movie\_id: The identifier of the movie (Foreign Key to movie table).

name\_id: The identifier of the director (Foreign Key to names table).

6. role\_mapping Table

This is a linking table for a many-to-many relationship between movies and the cast.

movie\_id: The identifier of the movie (Foreign Key to movie table).

name\_id: The identifier of the person (Foreign Key to names table).

category: The role of the person in the movie (e.g., 'actor', 'actress').

Table Relationships

The movie table is the central entity.

The ratings table is linked to movie via movie.id (one-to-one or one-to-many).

The genre table is a junction table connecting movie and genre concepts, with a foreign key to movie.id.

The names table contains information about people.

The director\_mapping table links movie and names by associating movie\_id and name\_id, defining the director relationship.

The role\_mapping table also links movie and names through movie\_id and name\_id, specifying the cast members and their roles.