

COMP 4754: Group 1

Project Description: Movie Streaming Service Database

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Project Description:

This database manages a movie streaming service, where users can subscribe, access a catalogue of movies, and provide ratings. The system tracks user subscriptions, available movies, genres, and user interaction with the service.

Entities:

1. **Users:** People who have accounts on the platform. Each user has a profile with information like name, email, and subscription status.
2. **Subscriptions:** Represent different subscription plans (e.g., Basic, Premium, Family) that users can choose from. Each subscription has a cost, access level, and duration (e.g., monthly, or yearly).
3. **Movies:** The movies available on the platform. Each movie has details like title, release year, duration, and description.
4. **Genres:** Categories to organize movies, such as Action, Comedy, Drama, etc. Movies can belong to one or more genres.
5. **Ratings:** Feedback provided by users in the form of ratings for movies. Each rating includes a score.
6. **Payment:** **Users** will be prompted to the payment method after they choose the subscription plan. Each user will have a unique payment id, method and date.

Relationships:

- **Users** have **Subscriptions**.
- **Payment** decides the accessibility of **users**.
- **Subscriptions** grant access to multiple **Movies**.
- **Movies** belong to one or more **Genres**.
- **Users** provide **Ratings** for **Movies** they have watched.

Requirements:

- Track user accounts, including personal information and active subscriptions.
- Manage the movie catalogue, including details like genres, release dates, and ratings.
- Store and display user ratings and reviews for movies.
- Allow different subscription levels to determine access to movies (e.g., Premium users get exclusive content).
- Only one review for each movie per user.