

Project: Movie Recommendation System

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Goals

- We are designing with a large demographic in mind, not a sole customer. From film enthusiasts, we asked, they want to be able to:
- Track movies
- **Discover** movies
- Discuss movies

*Discussing movies may fall out of our current scope

Data

- We are going to scrape and wrangle the **MovieLens**, **Netflix TV and Movie** and **IMDB** datasets from online repositories (e.g Kaggle) to select common attributes of interest:
- Current attributes of interest are:
 - genre,
 - director,
 - cast,
 - type,
 - country,
 - language
 - release year

Deliverables

- An easy-to-use **Web Application**:
 - Recommend new movies to users based on their review history and movie preferences (actors, genre, title etc).
 - Users will be asked to rate a few movies
 - Our algorithm will then rank movies based on the similarity scores with the user's profile, and recommend the top-ranked movies

Implementation

- **Front-End**: Handled with HTML, CSS, Javascript

- **BackEnd:** PostgreSQL
- **Server:** Linux server

ER Diagram

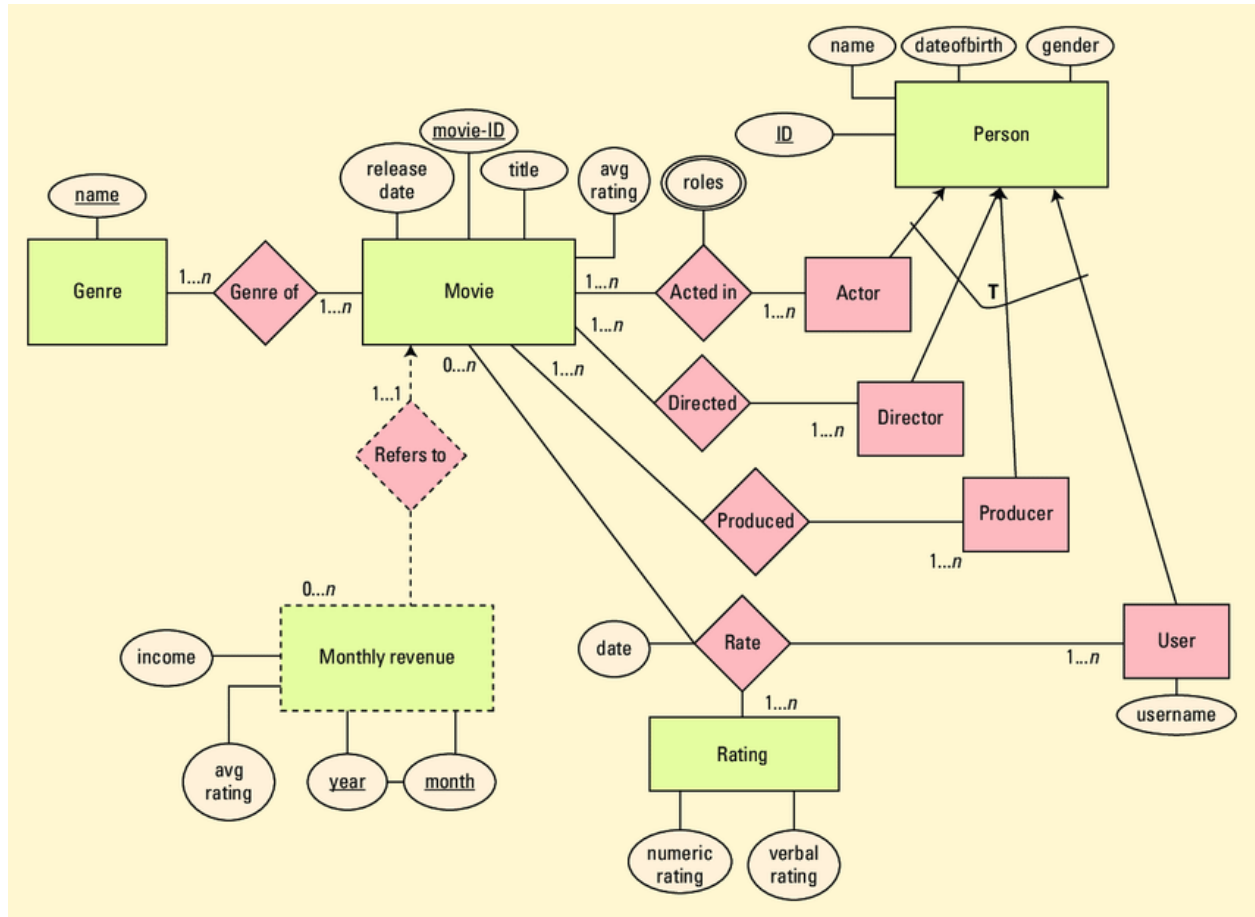


Image by Perezt Shoval