

MovieHub DB



Project Goal:

Given a dataset of movies,
users, ratings, we want to

create a simple database of
user's reviews on movies

The IMDb logo is displayed in a yellow rounded rectangle. It features the letters "IMDb" in a bold, black, sans-serif font. The "i" is lowercase and has a dot.

IMDb

The Rotten Tomatoes logo is shown in a bright red, bold, sans-serif font. The word "Rotten" is on the top line and "Tomatoes" is on the bottom line. The "o" in "Tomatoes" is stylized to look like a tomato with a green stem and leaf.

**Rotten
Tomatoes**

Sample Movie



STAR
WARS

About our Database

- Allow users to
 - view over 100 movies
 - leave reviews / critiques
 - look at previous reviews
 - update reviews
- look at historical trends using visualizations
- provide recommendations of movies for future users

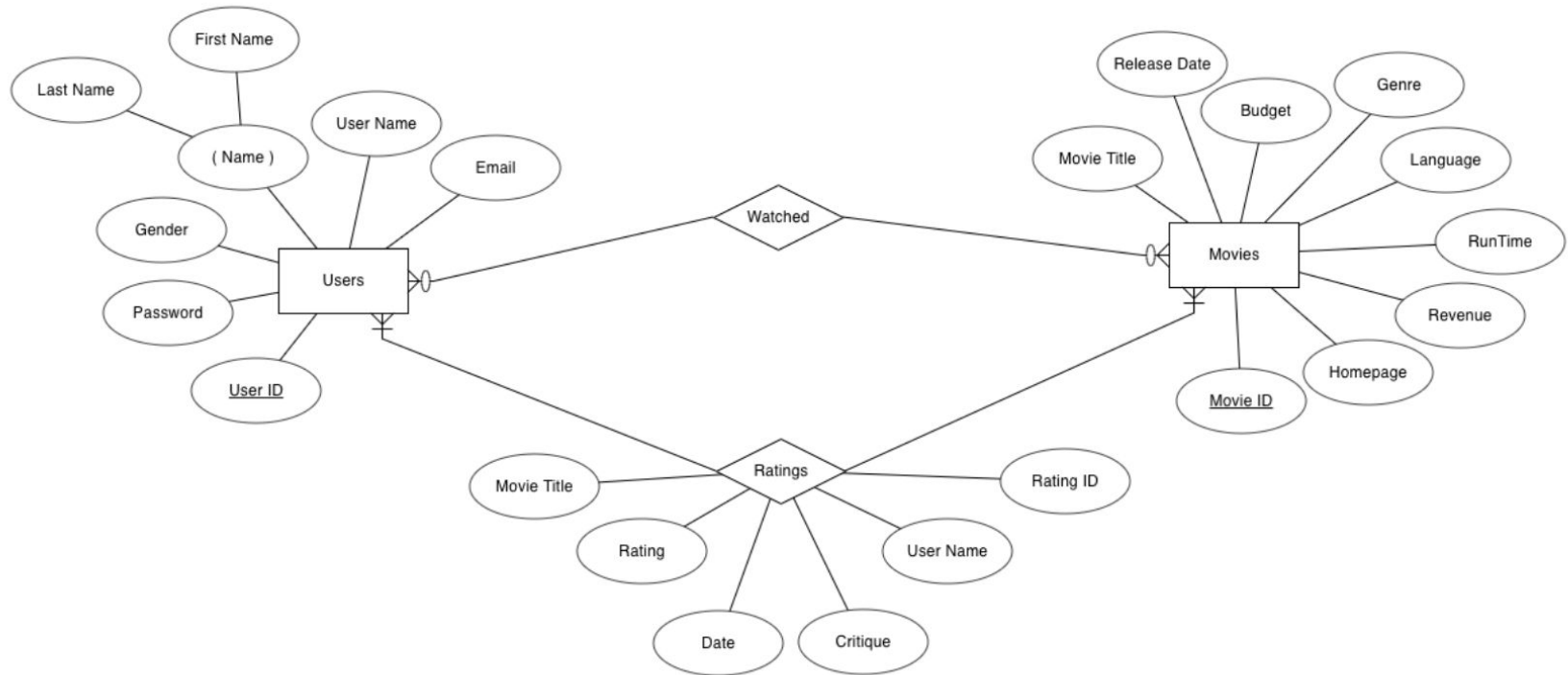


ETL Process

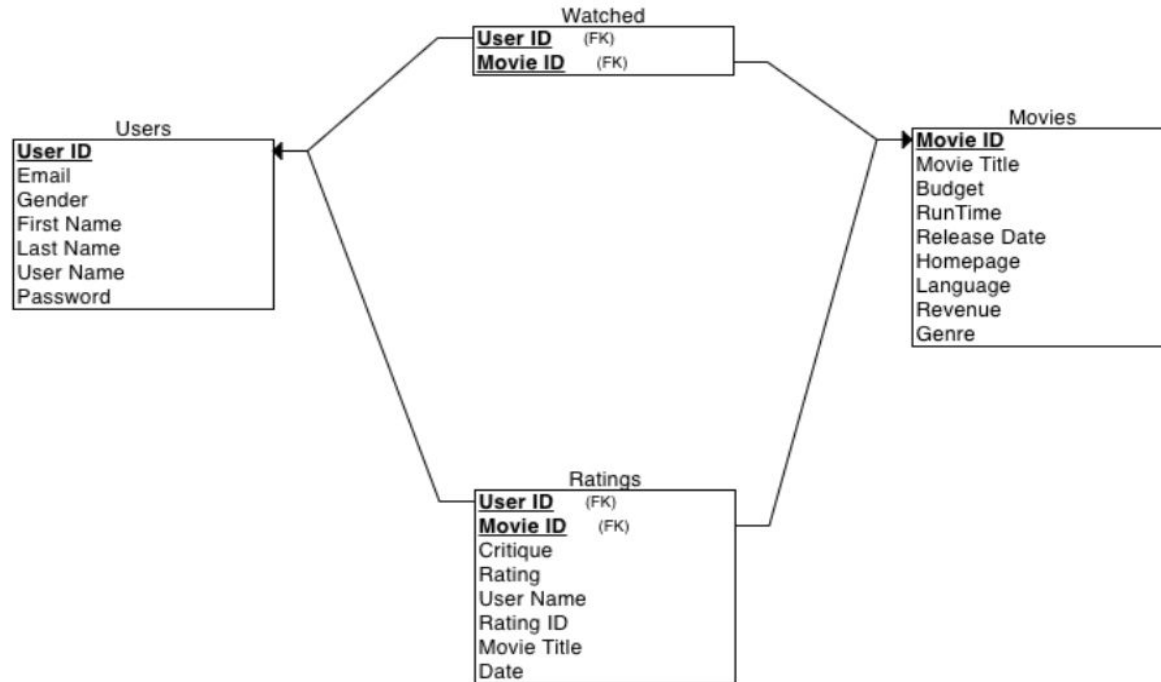
- Data:
 - Kaggle
 - Mockaroo
 - Excel
- Coding:
 - SQL Workbench
 - QT Designer
 - Python



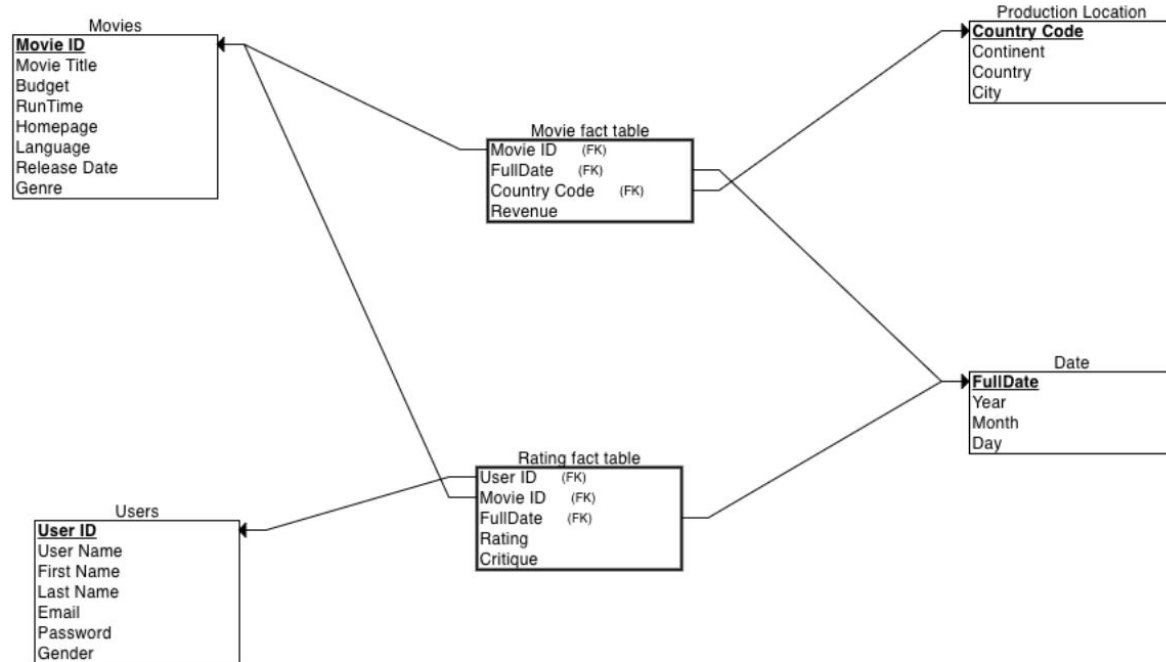
ER Diagram



Relational Schema



Star Schema

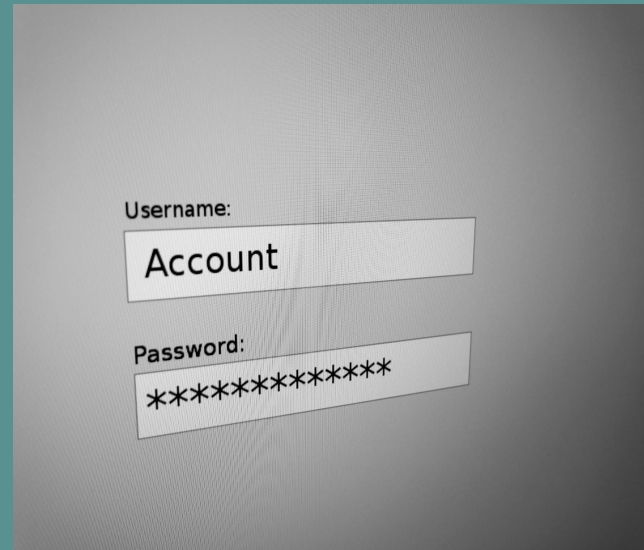


DEMO



Summary

- Operational:
 - users register, login with username and password
 - find a movie, title, genre, rating, review
- Analytical:
 - create visualizations from operational
 - bar charts, pie charts on different genres over time, average rating of genres
 - comparisons between two movies, ratings, revenue, runtime



Future Direction

- Incomplete data: add more data
- Operational:
 - Movie Recommendation System
 - Allow users to view other users' profiles and ratings
 - Forum/Discussion Page
- Analytical:
 - Adjust data to allow drill down/up for time series
 - Add labels, pictures on the GUI



Thank you!

