CSC 370: Database Systems

Project Kick-Off

Summer 2024

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LITTLE BACKGROUND

KARANBIR GOSAL

- Third year Software Engineering student at University of Victoria.
- Completed a Diploma in Computer Science from Langara College, Vancouver.

LITTLE BACKGROUND

Alyssa Taylor

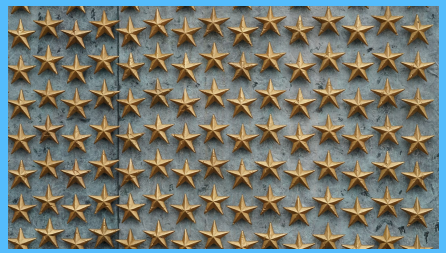
- 3rd Year S.ENG student at UVic
- My background is in technical theatre and running live theatre shows

PROJECT : MOVIE RATING SYSTEM

Over the course of the semester we plan on designing the background structure of an online movie rating system, similar to the in-class examples.

We hope to include (at least the data backing for) numerous features that would be needed in a real version of this product such as user data, privacy settings, movie ranking data, etc.

Using the competencies from the course, we will progressively add to and improve the system as the semester goes on and we deepen our knowledge of databases and SQL.



The List Before the Course Began

Before the course began, the requirements list was essentially empty or very basic:

Basic Idea: Create a movie rating system.

- No detailed user stories or functional requirements.

Undefined Scope:

- No clear outline of features like user registration, movie information, rating, and review system.
- Lack of understanding of database schema design and relationships.

Business and System Requirements

Some early **Business** requirements have been noted for this project, such as:

- Users:
  - Users should be able to access available movies, their ratings, and, depending on privacy settings, which users left those ratings.
  - Users should be able to have an account with their information attached.
    - There should be different levels of system access depending on user type (Ex. admin, etc).
  - Users should be able to browse movies and their related reviews.
  - Users should be able to search for specific movies/users.

- Movies:
  - The system should store necessary details about each movie so that they can be identified correctly by users. This may include aspects such as title, director, release year, cast, synopsis, etc.

Business and System Requirements

Some early **Business** requirements have been noted for this project, such as:

- Ratings/reviews:
  - Users must be able to rate the films on a designated scale.
    - Each user should be able to give one (editable) review and ranking to each film
  - Users must be able to rate multiple unique movies.
- Genres:
  - The system should include a diverse list of genres that can be attached to each movie by various users.

Some early **Application** requirements have been noted for this project, such as:
Database Schema:

- Design the Entity-Relationship Diagram(ERD), review the ERD and create tables to store user information, movie details, ratings, reviews, and genres.

Plan for next Sprint

We have a few goals for the next 2 week sprint, such as:

- Going over the current system requirements and improving/editing them as necessary
  - This will be done through group discussion over the earlier portion of the sprint.
- Setting up an entity-relationship diagram from those requirements in order to designate entity sets, attributes, identifiers, and relationships for each requirement.
  - This will likely be done in the latter portion of the sprint, after the requirements are set.
- Time permitting: Some entities/tables may be added into the system via github.

THANK YOU

REFERENCES

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