

Summary

Our application will allow users to track movies and TV shows that are available across different streaming services, and create lists of such content. Data about genre categorization and translated languages of the content will be stored, and users can leave reviews on content.

Task Breakdown/Timeline

For this project, we plan on using the department-provided Oracle server. We will be using JavaScript/Node.JS for our application development. Amongst all group members, the division of tasks will mainly be performed in a three-way split. Tristan will be working on the backend of the project, while Ayush will be working on the frontend. Brian will be focusing on connecting the back-end with the front-end and helping balance out tasks as needed. It is to be noted that for the querying, all three members will be contributing in different ways mentioned in the following task breakdown.

November 5

- Complete the Oracle tutorials, getting working versions of the demo projects to ensure we know what is involved
 - Brian, Tristan, Ayush

November 8

- Finalize our CREATE TABLE and INSERT statements (ensuring they work correctly, have all the correct parts and likely adding additional data) and then creating the SQL script
 - Brian

November 10

- Create a mockup of what the UI will look like, including different pages, how data will be queried and where the results will be returned
 - Ayush
- Implement the INSERT/UPDATE/DELETE queries, ensuring that they meet the requirements set out in the rubric and function correctly with the database
 - Tristan

November 22

- Implement relational algebra (Selection, Projection, Division, Join) queries ensuring that they meet the requirements set out in the rubric and function correctly with the database
 - Tristan and Brian
- Implement aggregation (Group By, Having) queries ensuring that they meet the requirements set out in the rubric and function correctly with the database
 - Ayush
- Implement front-end application, starting with the visual components, then adding intractable elements with a skeleton for integrating with the backend
 - Ayush

November 26

- Fully Integrate UI with the back-end, ensuring that the interactions between the application and the back-end are working correctly and the updates are appearing in the database
 - Ayush, Brian, Tristan

December 1

- Create a PDF file containing a short description, description of the final schema, copy of the schema, list of all SQL queries, screenshots demonstrating the GUI functionality, etc.
 - Ayush, Brian, Tristan

December 3

- Prepare for Project Demo
 - Ayush, Brian, Tristan