

# CS 348 Report

## Application Description

Our application Scenelt, named after a pun on “seen it”, will be a movie rating platform for movie fans to explore, review, and rate films. We will leverage a movie rating dataset from Maven Analytics to provide users with a vast range of reviews. The target audience of our application is anyone who loves movies as well as those who are planning to make a trip to the theatres soon. The administrators of the database will be our group members.

The application features include the ability to read and write reviews, assign ratings, and filter by various categories. Users can also sort films by popularity and search for movie titles, genre, release dates, and more.

## Platform Description

The backend infrastructure will be created using Docker, featuring a PostgreSQL database and a FastAPI web server hosted on our local machines. This setup will enable consistent development environments, streamlined deployment, and efficient data-management.

The user interface will be a modern website built with ReactJS, providing an intuitive and engaging way for users to interact with the platform. This will allow users to access features such as reading and writing reviews, and discovering movies through an appealing and responsive web interface.

## Member Roles to Date

1. Terry researched different datasets to use and identified one that would be most suitable for our application.
2. Hannah brainstormed different application ideas and also researched different datasets appropriate for the project.

3. Xiang brainstormed the structure of our data model and identified the tables required for this project.
4. Daniel created the Github repository and began setting up the foundational parts of the application platform.
5. Jay also assisted with the platform setup and ensured the environment was properly set up.

## **Github Repository**

Link: <https://github.com/DanielYu842/CS-348>