

Project Proposal

Project Title: Movie Recommendation System

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Project Description:

A Movie Recommendation System that uses a data-driven approach to suggest movies to users based on their viewing history. The system will keep track of all the movies watched by each user and make recommendations based on the genre, rating and popularity of the movies they have watched.

Technologies to be used:

- Java programming language
- IntelliJ IDEA for development
- Junit for unit testing

Features:

- Users can create an account and log in to the system.
- Users can add movies to their watchlist.
- The system will keep track of all the movies watched by each user.
- The system will make recommendations based on the genre, rating and popularity of the movies that the user has watched.
- The system will have a user-friendly interface for adding and viewing movies and recommendations.

Timeline:

- Initial setup and project planning (1 day)
- Development of User and Movie classes (2 days)
- Development of the Recommendation System class (2 days)
- Integration of all the features and user testing (1 day)
- Final debugging and polishing (1 day)

Potential Challenges:

- Integration of all the features into a single system
- Ensuring data accuracy and consistency.

