

Movie and Music Aggregator

Group 10

Project Statement:

In today's digital age, the abundance of movie options across various genres has created a challenge for users to efficiently discover movies that align with their preferences. To address this challenge, we aim to develop a Movie Recommendation Integrator that enhances the movie discovery process for users. The recommendation integrator will analyze user interactions, ratings, and movie metadata to provide engaging movie suggestions.

Use cases:

1. A user logs in and gets recommendations for a movie or album soundtrack.
2. A user gets a suggestion for a film in a genre they haven't explored much, but matches their taste profile.
3. A user gets a personalized suggestion for a film in a genre they frequently watch.
4. Integration of user reviews to provide recommendations for movies or songs or both.
5. A user can select a particular genre to fetch the top recommendations in it for movie or music or both integrated.

Importance/ Requirement:

1. Content Discovery:
Users often find it overwhelming to choose movies/music from vast options, a recommendation system can make data be easily available at one place
2. Data driven insights:
The data collected from user interactions and preferences can provide valuable insights into user behavior and content trends.
3. Personalization:
Personalized recommendations cater to individual user preferences, creating a sense of connection and relevance.
4. Enhance User Experience:

Delivering tailored content suggestions makes navigation easier and enhances overall platform engagement.

5. Comparative Analysis:

Users can find reviews as well as their comparisons from across different platforms.

6. Diversify Content Consumption:

Introduce users to new genres or artists they might not have explored on their own.

Stakeholders:

1. Content providers:

Movie studios, production companies, music labels, and artists are stakeholders since their content will be recommended to users. The success of the recommendation system can lead to increased viewership, downloads, and sales of their content

2. Users/Viewers:

The primary stakeholders are the users of the recommendation system. Their preferences, satisfaction, and engagement are crucial for the system's success. They benefit from personalized content recommendations that align with their tastes.

3. Data Analysts:

These professionals are responsible for designing and fine-tuning the recommendation algorithms. They analyze user data, behavior patterns, and engagement metrics to continuously improve the accuracy of recommendations.

4. Data Scientists & Engineers:

Tasked with integrating multiple data sources, cleaning the data, and designing the recommendation algorithms.

Data acquisition:

Data for this project can be sourced from APIs like IMDb for movies and Spotify for music and Google, etc. for reviews. Also we can use the provided data repository which contains some data. (Link: [stuff/the-magellan-data-repository?authuser=0](https://www.kaggle.com/datasets/stuff/the-magellan-data-repository?authuser=0)). User interaction data, such as ratings, reviews, will be very valuable for integrating movie/music data with their reviews.

**This is a concise report, we may add/change some features based on the availability of data.*

