[01/03/2024]

SE 216 – SOFTWARE PROJECT MANAGEMENT
Spring 2023-2024
Project Proposal

[LIKE : Recommendation Application]

Problem Definition

In today's digital age, the amount of content across multiple platforms can be overwhelming for users seeking personalised recommendations. Navigating through countless reviews and opinions to find the perfect movie, album, TV series, books or travel destination can be tedious and time-consuming. As a result, users struggle to discover new content which interests them and aligns with their preferences.

Background Information

The explosion of digital data which includes a diverse range of media, such as films, books, TV shows, albums, and travel destinations makes it difficult to sort through the vast amount of content available for those looking for personalised recommendations. Amid busy lives, allocating time for content exploration becomes a challenge. Scrolling through reviews, ratings, and recommendations can be time-consuming, leaving users with less time for actual consumption. As a result, users frequently struggle to find fresh content that simultaneously fits their interests and tastes in an efficient manner. With so much information available, the need for efficient and customised content discovery solutions increases.

Our project aims to simplify this process by creating a tool that offers personalised recommendations based on individual preferences. Rather than users having to endlessly scroll through options, tailored suggestions will be readily accessible.

Objectives

1. Developing a web scraping mechanism to gather data from reputable review platforms such as IMDb, Rotten Tomatoes, Goodreads and music streaming services such as Spotify.
2. Implementing a database system to store and organise the collected data efficiently.
3. Designing a user-friendly interface for the application, allowing users to easily input their preferences and receive personalised recommendations.
4. Integrating machine learning algorithms to analyse user feedback and behaviour patterns, continuously improving the accuracy and relevance of recommendations.
5. Expanding the scope of recommendations beyond films, albums, and TV series to include travel destinations, leveraging similar methodologies and data sources.
6. Implementing robust privacy and security measures to safeguard user data, including personal information and interaction data.

Approval Signatures and GitHub Accounts

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