Movie Recommender System

Overview

This project aims to demonstrate various movie recommendation algorithms used by major platforms like Netflix and Spotify.
For educational purposes, the project shall begin with the most basic algorithms or techniques used in a recommendation, and progressively build upon them to implement more advanced and sophisticated techniques.

Finally, the project will enable a user to get movie recommendations through different methods. For example, the user can view which movies are the most popular and highly rated in general or they can input their preferred genres or favorite movies or choose a set of movies and rate them, and can get personalized recommendations based on these inputs.

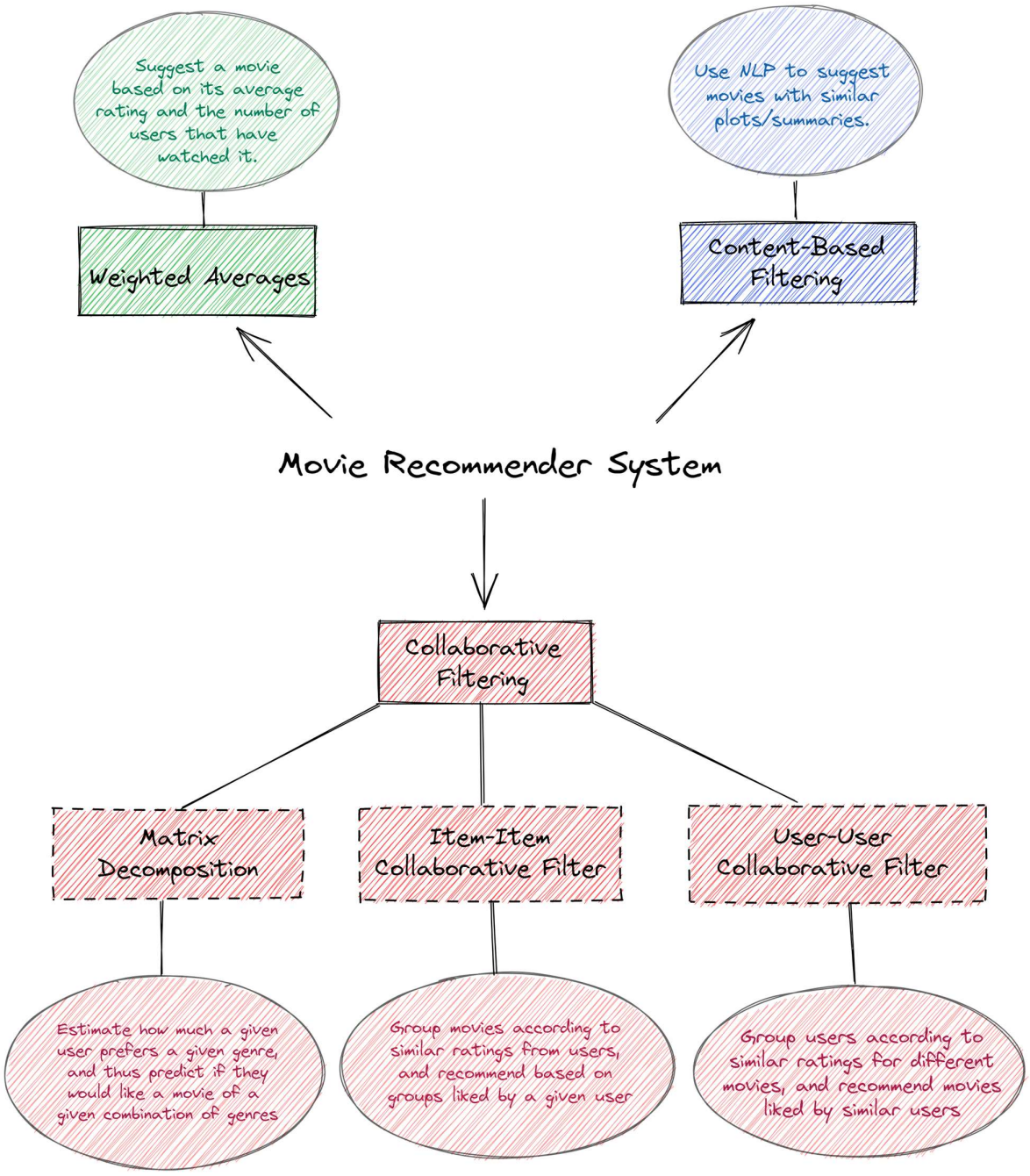
Problem statement:

> ☑ To demonstrate the different techniques through which a user can be recommended a movie based on their ratings of other movies.

How will it work?

The UI is meant to be as self-descriptive as possible.

The main webpage will be divided into multiple segments, with each segment corresponding to a particular algorithm for movie recommendation, and each segment having different input fields.
The end-user may choose to pick from a general selection of popular movies to watch, or they may enter some information about their preferred genres or favorite movie(s) to get personalized recommendations.
This way, if a user is dissatisfied with one technique for the recommendation engine, they are presented with multiple alternatives in the same application.



Development Timeline

The development plan of the project is as follows:

- Week 1: Ideation and Documentation
- Week 2: Getting the script(backend) ready and working
- Week 3: Integration with frontend + addition of new algorithms
- Week 4: Final touches and submission

How do we measure success ?

The final application will be tested with multiple users via a survey form circulated in my university. The project's success will depend upon reviews from more than 2000 users.