Python Programming and Practice

Movie recommendation system

Proposal

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1. Introduction

1) Background

Until recently, so many movies have been released, and so many movies have been piled up from existing films to current ones. This makes it difficult for people to choose which movies they want to watch. Also, I hope that once the movie chosen is fun.

2) Project goal

It aims to create a system that recommends products that users may like by analyzing the user's past viewing history and actual stars left by the user.

3) Differences from existing programs

Existing programs can analyze the user's viewing history, find similar titles according to the title entered by the user, or if they only recommend similarities such as genres and directors, they can predict how many ratings users will give when they see additional movies they currently recommend.

2. Functional Requirement

1) Function 1

- Description: A movie that you like

(1) Detailed function 1

- Description: Analyzing and saving the user's viewing history, viewing time, etc

(2) Detailed function 2

- Description: Analyzing the ratings left by the user or the ratings of others among movies watched by the user

2) Function 2

- Description: The ability to find similar movies

(1) Detailed function 1

- Description: Find a similar movie among the movies that the user believes they like. (genre, director, plot, etc.)

(2) Detailed function 2

- Description: Rank the movie in order that the user will like and expose the top 5 to 10 movies.

3) Function 3

- Description: Predicting user ratings

(1) Detailed function 1

- Description: Predict the satisfaction level (score) of the recommended movie and display it with the movie recommendation list

3. Schedule

Work		11/3	11/6~12	11/20~30	12/1~12/9
Create a proposal		---------->			
Function 1	Detailed function 1		---------->		
	Detailed function 2			---------->	
Function 2	Detailed function 1				---------->

업무		12/10~14	12/15~22	.....	.....
Function 2	Detailed function 2	---------->			
Function 3	Detailed function 1		---------->		