Project proposal

Team member:

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Captain:

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Theme:

Free topic

Topic:

Web application with recommender system

Description:

Web applications that shows list of TV shows and movies from Netflix. User can click the item to see the detailed information including video name, description, genres, release year, cast, creators. When user select a item, recommended videos will also show in the page using content based filtering.

Motivation:

People always don't know what kind of movies or TV shows they may like to watch due to the large number of choices. I want to build a web application for users to first browse what they like to watch, and then recommend them with similar videos using content based filtering.

Task:

Scraper for Netflix to retrieve all the information and store them in csv file. Build web API using flask for GET operations. Build web page using HTML, JavaScript, CSS. Build recommender system based on the information of videos.

Tools:

Flask, BeautifulSoup, pandas

Programming languages:

Python, HTML, JavaScript, CSS

Main tasks and estimated time:

Scraper   4hrs

API   4hrs

Web page structure   4hrs

Content render   4hrs

Recommender system   4hrs