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Final Project Proposal

Data Source:

I would like to obtain data from the Open Movie Database (Description: <http://www.omdbapi.com>) and design an interactive search method for users to use title or other key information to search movie in the data. The source is about information of movies. The API key is required, but it is not hard for me to get the information. Moreover, unique key is necessary, but the structure of unique is not too complicated. I think the challenge score for using this data source should be four.

Data Access and Storage:

I wrote a simple function to access the data. With API key and imdb ID, I successfully get the information as a dictionary. The dictionary contains data, which includes "Title", "Year", "Runtime", etc. I believe it is good enough for me to deal with the data and make instances about movie. By scraping this website, my challenge score for this project would be eight.

Data processing and presentation:

I would like to make an interactive search for users by using key words(or imdb ID) to search movies and display the data about the movie.(e.g. "Title", "Runtime", "Genre") Moreover, using Flask App to let users choose data/visualization options. I also want to display the data in HTML tables.