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## **Project Idea Proposal**

### **1. Problem or idea description:**

Currently, people are quite fond of watching cinematic paintings, films, documentaries and other subspecies of media works. Rarely will you see when a viewer dissatisfied with a movie continues to watch what he does not want to continue watching. Some people adore popular things and watch popular media resources, some people watch little-known films because of their personal preferences. That's why I decided to create a web application to search for movies.

### **2. Background information on the problem or idea:**

Cinema is really an art that is watched by a huge number of people. Popular directors, actors, screenwriters and other film industry workers are involved to maintain the interest of the audience when watching the film. The site will help people find interesting movies based on their preferences. You can also find a list of popular films up to and including 2018.

### **3. Available solutions with links:**

<https://www.kaggle.com/code/artemkalinin/hybrid-recommendation-system-cb-keras>

<https://www.dmitrymakarov.ru/intro/recommender-17/>

### **4. How to get data?**

By Kaggle:

<https://www.kaggle.com/datasets/shubhammehta21/movie-lens-small-latest-dataset>

### **5. Brief description of your solution:**

To solve the tasks, I decided to use two different methods for two different problems. The first task is to output popular movies. This process will be carried out on the basis of the total rating of films by the number of viewers who have scored points, The second task will be to output pictures based on preferences, which will output similar films by their genres, year, and perhaps for someone it is important to similar movie titles.

### **6. Tech stack that will be used:**

Python; tensorflow; pandas.

### **7. Any information you find necessary:**

Honestly, I rarely watch movies because many pictures are not interesting. In order to find something interesting, I wanted to create this website. I think it will also be useful for someone to find new films for themselves that they have not watched up to this point. Considering that this is my first experience in creating a website in conjunction with machine learning, I hope that the web application will be quite working and presentable for the user.