

Movie-Recommendation-System

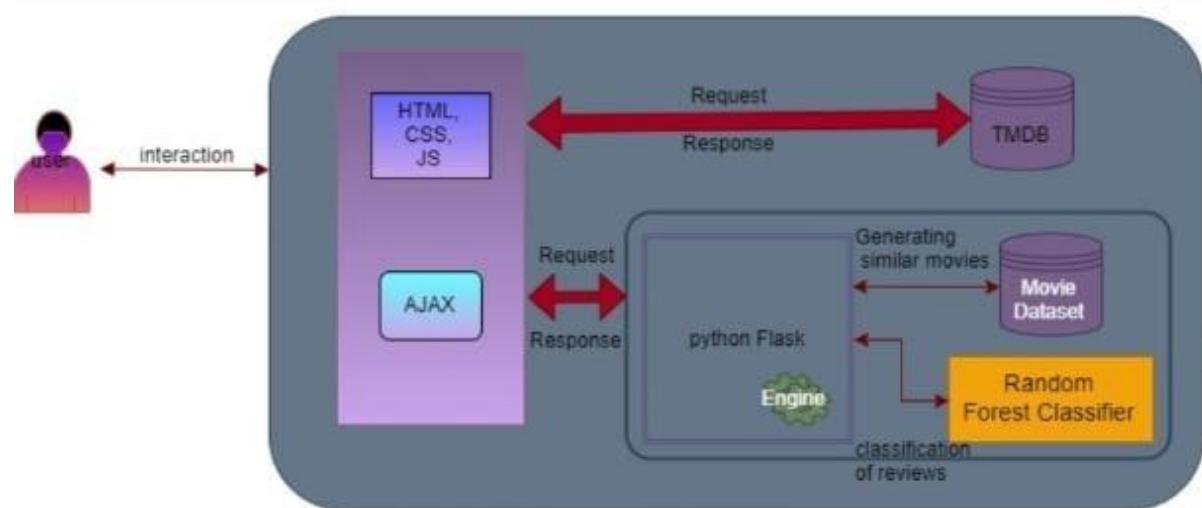
with-Sentiment-Analysis

Introducere

In proiectul acesta este realizat un sistem expert ce face recomandari de filme pe baza unui film cautat si arata sentimentele review-urilor date acelui film de catre utilizator.

Cum functioneaza

Detaliile despre film(titlul,genul,durata,rating,posterul,etc) sunt luate folosind un API(Application Programming Interface) folosind TMDB(The Movie Data Base).



Similarity Score:

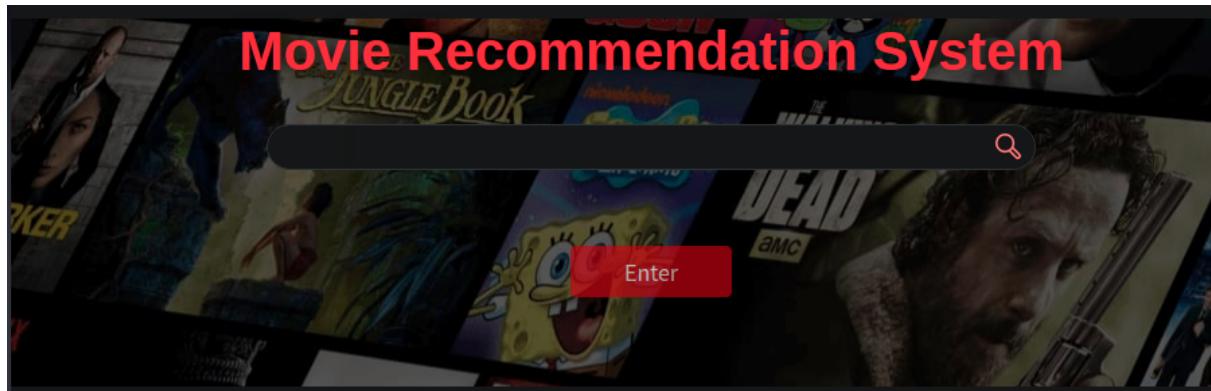
Este raspunsul la intrebarea "Care item este similar cu item-ul preferat de user?". Este o valoare numérica ce variază între 0(zero) și 1(unu) care ajută să determine cât de mult 2 iteme sunt similari de la 0 la 1. Acest scor de similaritate este obținut din măsurarea de similaritatea de detalii din textele celor 2 iteme. Deci, similarity score este măsurarea de similaritatea dintre 2 texte date de la 2 iteme. Acest lucru este realizat de cosine-similarity.

Cosine similarity este o metrică folosită la măsurarea asemănării între documente, indiferent de dimensiunile lor. Matematic, ea măsoară cosinusul unghiului dintre 2 vectori proiecția într-un spațiu multi-dimensional. Este avantajos din punctul de vedere că dacă cele 2

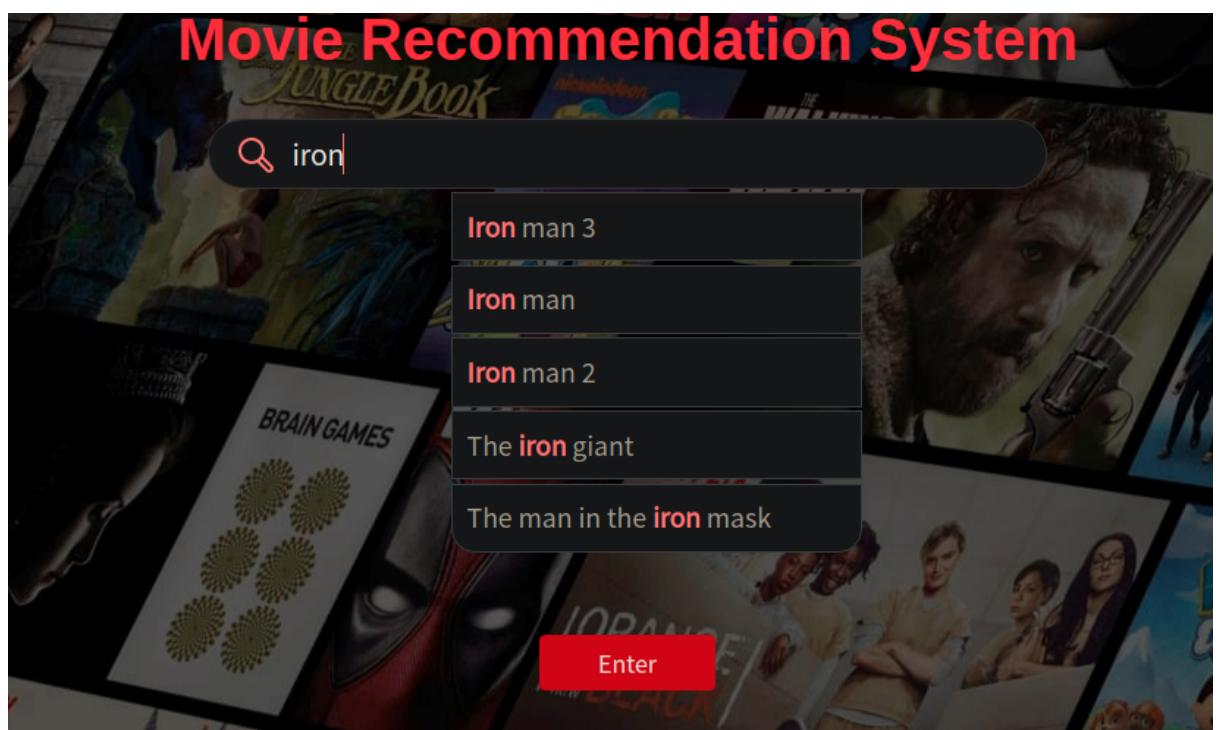
documente similare au Distanta Euclidiana foarte mare(adica daca dimensiunile documentelor au o discrepanță mare), sansele sunt ca ele sa fie apropiate.Cu cat este mai mic unghiul,cu atat este mai mare cosine similarity.

Utilizare:

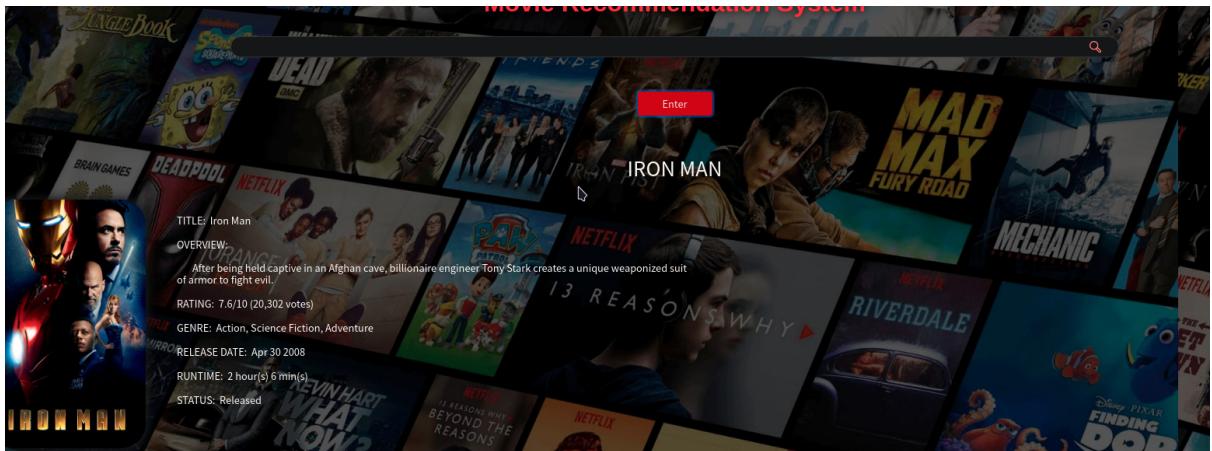
Pas 1: Cauta un film vizionat



- Se poate observa modul de autocomplete



Pas 2: Vizualizare



-se pot observa review-urile si sentimentele lor

A screenshot of a movie review page for "Iron Man". The top navigation bar includes "Comments" and "Sentiments". The "Comments" section contains a single review:

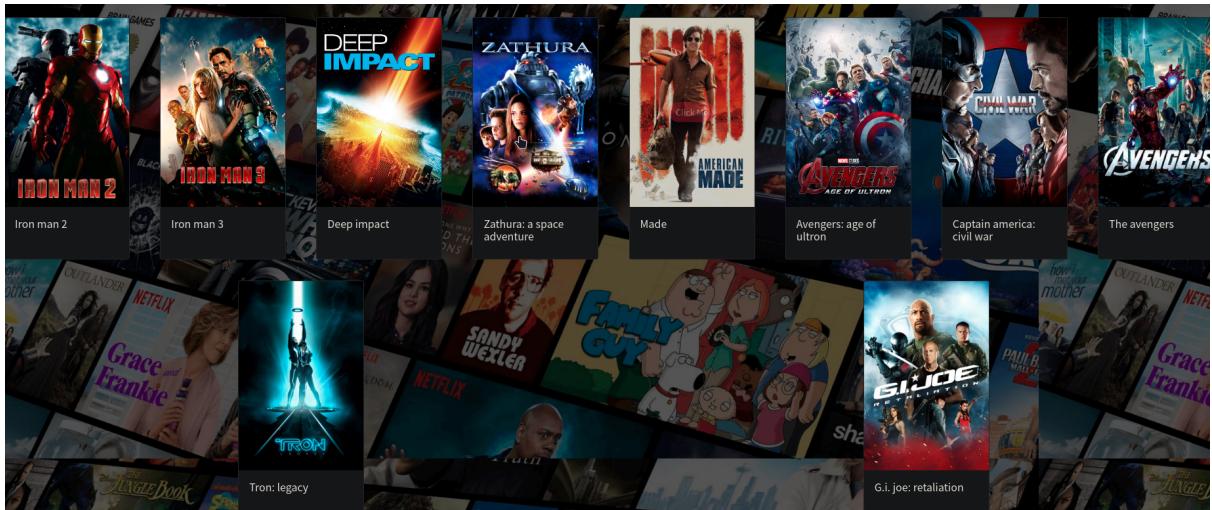
Great movie, which serves as a perfect introduction to Tony Stark's character. The antagonist was a bit boring, but except for that, I loved the movie!

When it comes to ranking the Marvel superhero (live action) films, Iron Man is for me up there with the better ones. It looks fabulous, the whole film is very slickly made with top-notch special effects (which look like time and effort was really put into it), awesome-looking futuristic gadgets and Iron Man's suit will be a guaranteed delight to anybody who is familiar or loves anything to do with the superhero. There is a pulsating soundtrack that adds much to the tension of the first half of the story and the enormously fun action sequences, which are exciting and tense with expertly choreography. The script crackles with smart humour that doesn't go overboard, all of which is laugh-out-loud funny, yet the hostage plotting that takes up the first part of the film is intelligently written and somehow avoids being over-serious or over-familiar. The story has enough to allow you to emotionally connect with Iron Man (who I've always considered to be Marvel's most likeable and most likable character) and as a fan of the comic's originality and the effects of comic book war, this will provide plenty of nostalgic thrills during relevant scenes. Robert Downey Jr., a great job directing, he never loses control of the story and succeeds to do things that I have never seen before. Robert Downey Jr. as Tony Stark, Iron Man is a powerhouse of a lead, delivering much of the smart dialogue while making the emotional side of the characters wholly believable. Gwyneth Paltrow is a good, loyal side-kick with wise-cracks that don't come across as annoying and Jeff Bridges is surprisingly very good in an against-type role. Personally, the only disappointments were the useless character of Christine Everheart and the somewhat rushed and over-blown finale that wasn't quite as thrilling as it could have been, other than that Iron Man was a classy addition to the Marvel Cannon and a great film on its own. 9/10 Bethany Cox

Iron Man is one of the better superhero movies. It's based off the popular Marvel comics. On one of the reviews, I was shocked to see that the person liked the new Hulk better. I agree that Hulk is a great movie, but Iron Man is 100 times better. Tony Stark's popular weapons company owner gets kidnapped by a cult called "Ten Rings" in the Middle East. They want Stark to build a weapon for them. Instead he builds his Iron Man suit. He eventually escapes and later becomes Iron Man. Who's the revenge on the cult and it's surprising lead? You'll have to watch to find out. The acting is better than expected in this film. Robert Downey Jr. did such a unexpected great job. Gwyneth Paltrow did well as her role of Pepper Potts. I also liked Terrence Howard as Rhodey. The special effects were great as they are with superhero movies. The plot has its share of intriguing twists. I believe that this Iron Man is original, but that is my opinion. I rate this movie 10/10.

The "Sentiments" section shows a ratio of 1 Bad : 1 Good.

-și la final sugestii de filme pe baza filmului căutat



Tehnologii folosite:

- Python 3.8;
- Framework: Flask
- Frontend:HTML,CSS,JS
- API:TMDB

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