**Readme**

* Open the terminal
* Create a virtual environment using conda

**Step 1: Check if conda is installed in your path.**

>>>conda -V

**Step 2: Update the conda environment**

>>>conda update conda

**Step 3: Set up the virtual environment**

>>>condacreate -n <envname> python**=**x.x anaconda

**Step 4: Activating the virtual environment**

>>>conda activate <envname>

* Place the templates, static, test.py, and final.csv , actor1.xlxs, tmdb\_movies\_data.csv , requirements.txt in the virtual environment
* Use the command to install all the required python modules

>>>pip install -r requirements. txt

(Make sure it creates the requirements .txt file in the folder)

* Run the flask application

>>>Python test.py

* Open the browser and paste the localhost address along with route decorator

<http://127.0.0.1:4998/>

This will open the home page of the website.

You can navigate to movies, actors and popular movies in the

<http://127.0.0.1:4998/actors>

<http://127.0.0.1:4998/movies>

<http://127.0.0.1:4998/highest>

You can search for a movie in the search box. If it is present in the database, it recommends similar movies. If it is not present, it shows the movie is not in the database.

Ex: try

The Godfather

Avengers: Age of Ultron

Etc. to see the recommended movie

In the terminal,

Run

jupyter notebook.

Run all cells to see data preprocessing, visualization is done.

Check the collaborative filtering by changing the uid. It results in similar movies for that user.

References:-

* <https://www.analyticsvidhya.com/blog/2022/01/movie-recommendation-engine-with-nlp/>
* <https://www.kaggle.com/code/alaanabil98/investigate-tmdb-10000-movies-dataset/notebook>
* <https://www.kaggle.com/code/morrisb/how-to-recommend-anything-deep-recommender>
* https://towardsdatascience.com/how-to-build-a-movie-recommendation-system-67e321339109