

MOVIE RECOMMENDATION SYSTEM
TEAM 4
Software Engineering Project 2
Download all the files in code folder from github.

Your machine should have the following installed :

Language	Python
Web Framework	Flask
Library	Pandas
Library	Numpy

Function Descriptions:

item_based.py:

- recommend: Function to find the correlation and recommend movies accordingly.
- get_rec_item: Driver function implementing genre and rating based filtering.

user_based.py:

- recommend: Function to find the correlation and recommend movies accordingly.
- get_rec_user: Driver function implementing genre and rating based filtering.

ensemble.py:

- ensemble: Function to get item and user based recommendation and combine them.

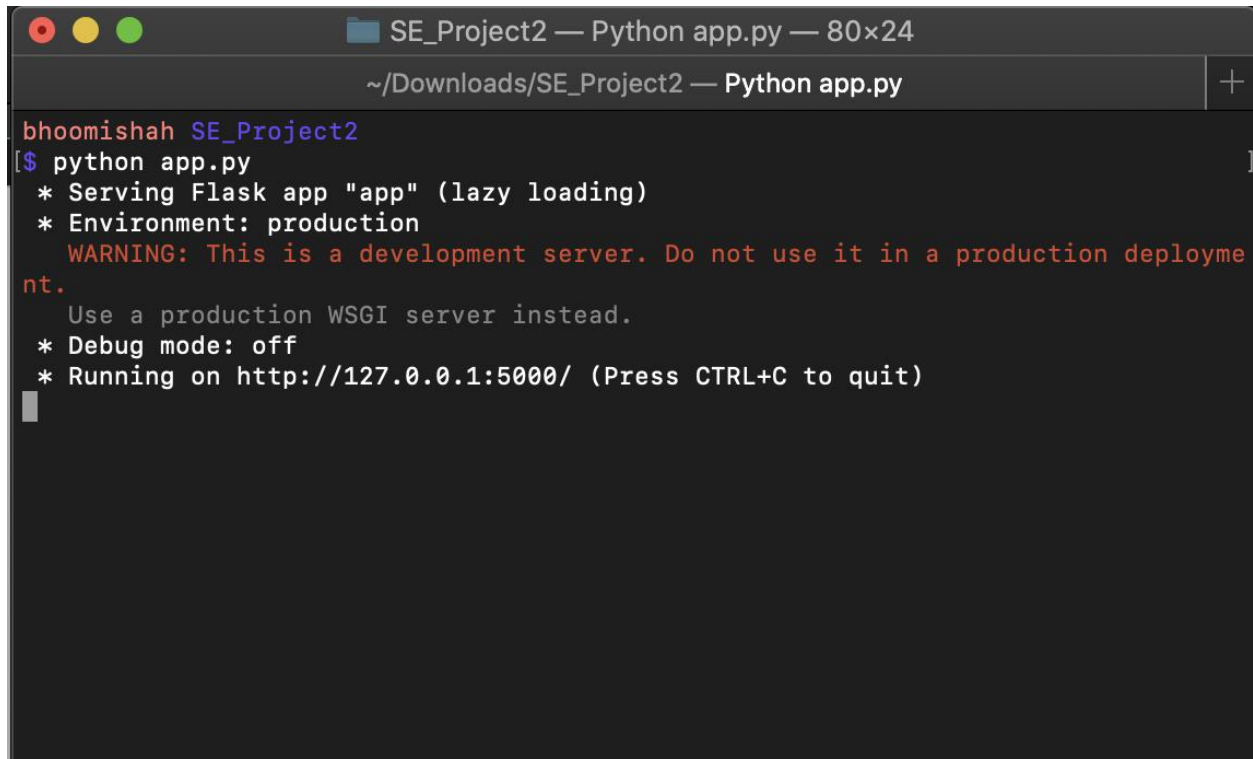
app.py:

- recommend_movie: Driver function to call the respective module based on user input.

Execution Instruction:

Step 1:

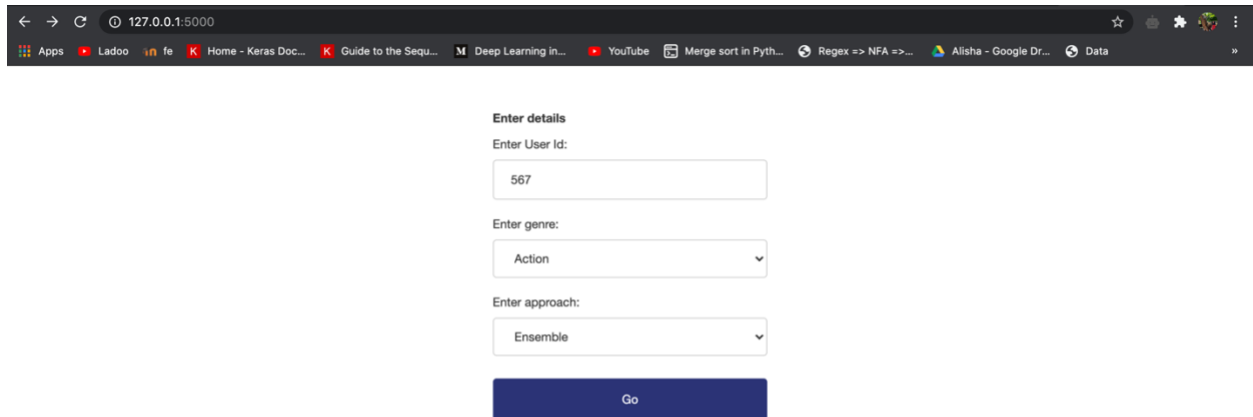
Run the file using the command "python app.py"



```
SE_Project2 — Python app.py — 80x24
~/Downloads/SE_Project2 — Python app.py
bhoomishah SE_Project2
[$ python app.py
* Serving Flask app "app" (lazy loading)
* Environment: production
  WARNING: This is a development server. Do not use it in a production deployment.
  Use a production WSGI server instead.
* Debug mode: off
* Running on http://127.0.0.1:5000/ (Press CTRL+C to quit)
```

Step 2:

Copy the address on your browser and input the fields based on the recommendation you wish to see:



The screenshot shows a web browser window with the address bar displaying '127.0.0.1:5000'. The browser's tab bar includes several open tabs: 'Apps', 'Ladoo', 'fe', 'Home - Keras Doc...', 'Guide to the Sequ...', 'Deep Learning in...', 'YouTube', 'Merge sort in Pyth...', 'Regex => NFA =>...', 'Alisha - Google Dr...', and 'Data'. The main content area of the browser displays a form titled 'Enter details'. The form contains three input fields: 'Enter User Id:' with the value '567', 'Enter genre:' with a dropdown menu showing 'Action', and 'Enter approach:' with a dropdown menu showing 'Ensemble'. Below these fields is a blue button labeled 'Go'.

Enjoy your recommendations:

Recommended Movies
13 Assassins (Jûsan-nin no shikaku) (2010)
Bloodsport (1988)
Under Siege 2: Dark Territory (1995)
Steel (1997)
Sudden Death (1995)
Red Heat (1988)