

INFO7374 AlgorithmicDigitalMarketing

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Presentation PDF version

Final_Project_Team7.pdf

Presentation Codelab Link

https://codelabs-preview.appspot.com/?file_id=18y0vtt7fbOe6YHVR6QPGWJ5wLjGavVQ1RrZ8rss58oU#0

Proposal Codelab Link

https://codelabs-preview.appspot.com/?file_id=1gUrVXPptgbgPuNotlfZ1tzMTz_QKmcpxuw_vUJMXhlg#0

Heroku Link

<https://quiet-reef-82062.herokuapp.com/>

Video Link

<https://drive.google.com/file/d/1BtCAtFq4xLJaxOmXu9L7ZkVTETx3KsO0/view?usp=sharing>

Our Submission

We implemented the ‘Being a Wise Movie Investor App’ and creates two version apps:

- 1 Pure Streamlit
- 2 Streamlit with FastAPi

The application is deployed on Heroku.

Raw Data

Raw data is too large to be stored in github. Please refer to:

<https://drive.google.com/file/d/1mnH9UaaXZ-gP3At0Q2Qus-Gz0EJOqiYx/view?usp=sharing>

https://drive.google.com/file/d/19C8m6CwRu9l-eydnTbp4gPCp_eeFMb7t/view?usp=sharing

Processed_data

This folder holds the data generate by the decision tree algorithm. They will be used for the streamlit app.

1 predicted_data.csv
Data for recommendation

2 similar_movie_data.csv
Data for similarity search

Source_code

This folder holds the source code for our app:

1 *download_tmdb_data.py*
Scraping script (open source)

2 *Wise_Movie_Predict.ipynb*
Notebook to make predictions

3 *wise_investor_pure_streamlit.py*
App version one: fully developed by Streamlit

4 *wise_investor_streamlit_with_fastAPI.py*
App version two: developed by Streamlit and fastAPI

5 *fastAPI.py*
FastAPI for App version two

5 *locustfile.py*
Load testing

Screenshot

This folder holds the screenshot for our app:

1 *scraping_TMDB*
Screenshot of scraping

2 *numeralize_column*
Numeralize columns

3 *decision_tree*
Decision tree algorithm

4 *screenshot_app1*
Default layout for app

5 *screenshot_app2*
App displays recommendations

6 *fastAPI*
FastAPI

7 *load_test_on_fastAPI*
Load test on fastAPI