

Running App on Flask & Heroku

Flask

Running the app on Flask's virtual environment on local machine

```
C:\AI_ML_Course\CapStone>python3 app.py
* Serving Flask app 'app'
* Debug mode: off
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
* Running on http://127.0.0.1:5000
Press CTRL+C to quit
```

Sentiment based recommendation system app hosted/running from Flask on local machine

Capstone Project

Sentiment Based Product Recommendation System

Problem Statement :
'Ebuss' is an e-commerce company. Ebuss has captured a huge market share in many fields, and it sells the products in various categories such as household essentials, books, personal care products, medicines, cosmetic items, beauty products, electrical appliances, kitchen and dining products and health care products. With the advancement in technology, it is imperative for Ebuss to grow quickly in the e-commerce market to become a major leader in the market because it has to compete with the likes of Amazon, Flipkart, etc., which are already market leaders. The ask was to build a model that will improve the recommendations given to the users given their past reviews and ratings..

Usage of the tool:
Please enter username in the below textbox and the Sentiment Based Product Recommendation System will output the top5 recommendations for next purchase of the user.

UserName

Positive Use case Testing: After providing User input (Valid user) app will execute the recommend.py to retrieve top 5 recommended products for the user

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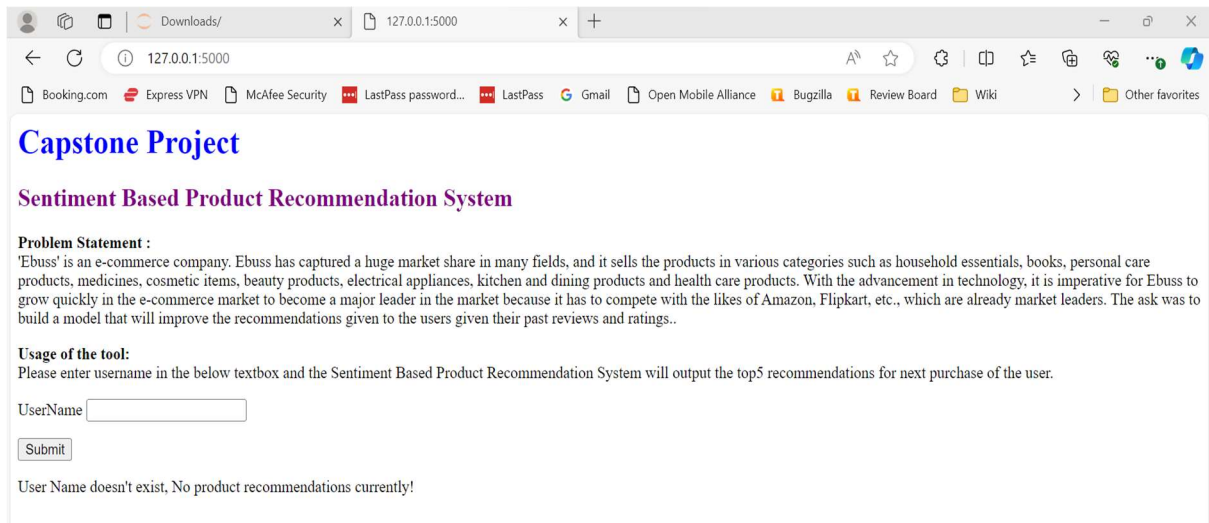
Usage of the tool:
Please enter username in the below textbox and the Sentiment Based Product Recommendation System will output the top5 recommendations for next purchase of the user.

UserName

Your recommended list =

- Red (special Edition) (dvdvideo)
- My Big Fat Greek Wedding 2 (blu-Ray + Dvd + Digital)
- Cuisinart 1.74 Electric Juicer - Stainless Steel Cje-1000
- 100% Complete First Season (blu-Ray)
- Clorox Disinfecting Bathroom Cleaner

Negative Use case Testing: After providing User input (Invalid / non existing user) app will check for presence of user, if not it throws error.



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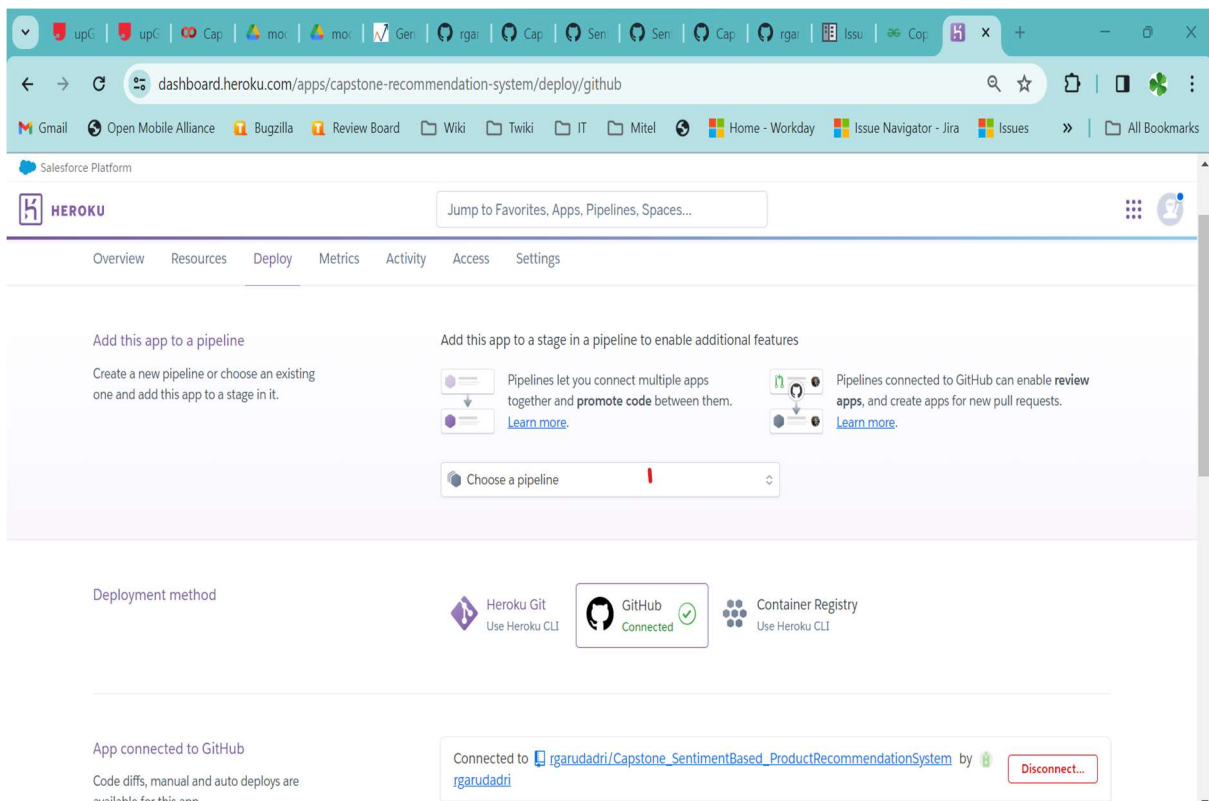
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UserName

User Name doesn't exist, No product recommendations currently!

Heroku

Deploying the app publicly via Heroku. Deployment method used was using github repository



dashboard.heroku.com/apps/capstone-recommendation-system/deploy/github

HEROKU

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Overview Resources **Deploy** Metrics Activity Access Settings

Add this app to a pipeline
Create a new pipeline or choose an existing one and add this app to a stage in it.

Add this app to a stage in a pipeline to enable additional features
Pipelines let you connect multiple apps together and promote code between them. [Learn more.](#)
Pipelines connected to GitHub can enable review apps, and create apps for new pull requests. [Learn more.](#)

Choose a pipeline

Deployment method
Heroku Git Use Heroku CLI
GitHub Connected
Container Registry Use Heroku CLI

App connected to GitHub
Code diffs, manual and auto deploys are available for this app.

Connected to [rgarudadri/Capstone_SentimentBased_ProductRecommendationSystem](#) by [rgarudadri](#)

screenshot of successful app deployment on Heroku

