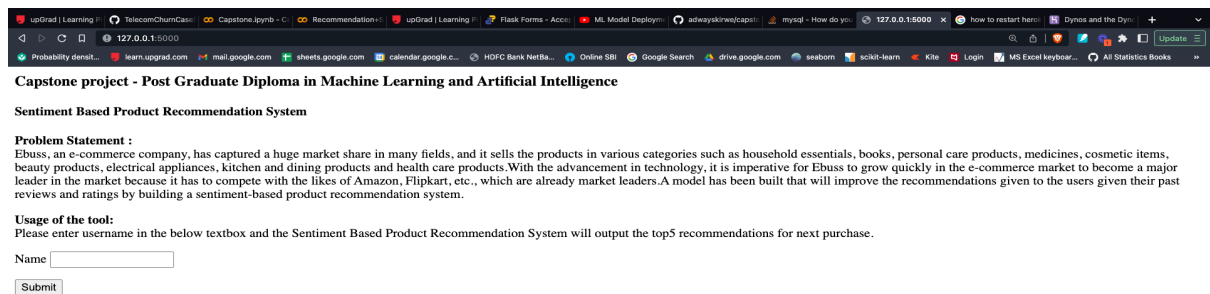


## Running the app on Flask's virtual environment on local machine

```
(venv) MacBook-Air:Capstone Kirwe-Macbook$ python3 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)
127.0.0.1 - - [27/Nov/2022 19:01:27] "GET / HTTP/1.1" 200 -
User name input = danielle
127.0.0.1 - - [27/Nov/2022 19:02:53] "POST / HTTP/1.1" 200 -
```

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



Capstone project - Post Graduate Diploma in Machine Learning and Artificial Intelligence

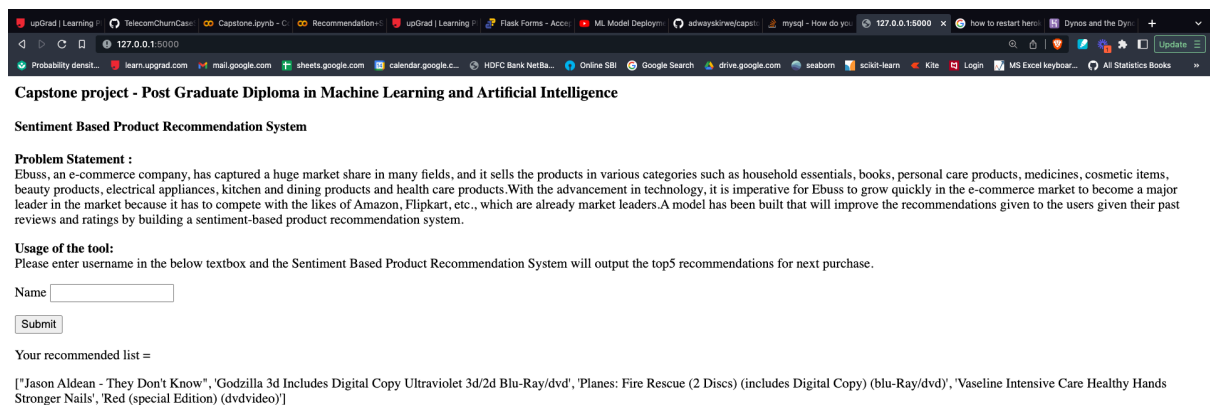
### Sentiment Based Product Recommendation System

**Problem Statement :**  
Ebuss, an e-commerce company, 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. A model has been built that will improve the recommendations given to the users given their past reviews and ratings by building a sentiment-based product recommendation system.

**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.

Name

After providing username as input, the app will execute model.py to retrieve top 5 recommended products for the user.



Capstone project - Post Graduate Diploma in Machine Learning and Artificial Intelligence

### Sentiment Based Product Recommendation System

**Problem Statement :**  
Ebuss, an e-commerce company, 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. A model has been built that will improve the recommendations given to the users given their past reviews and ratings by building a sentiment-based product recommendation system.

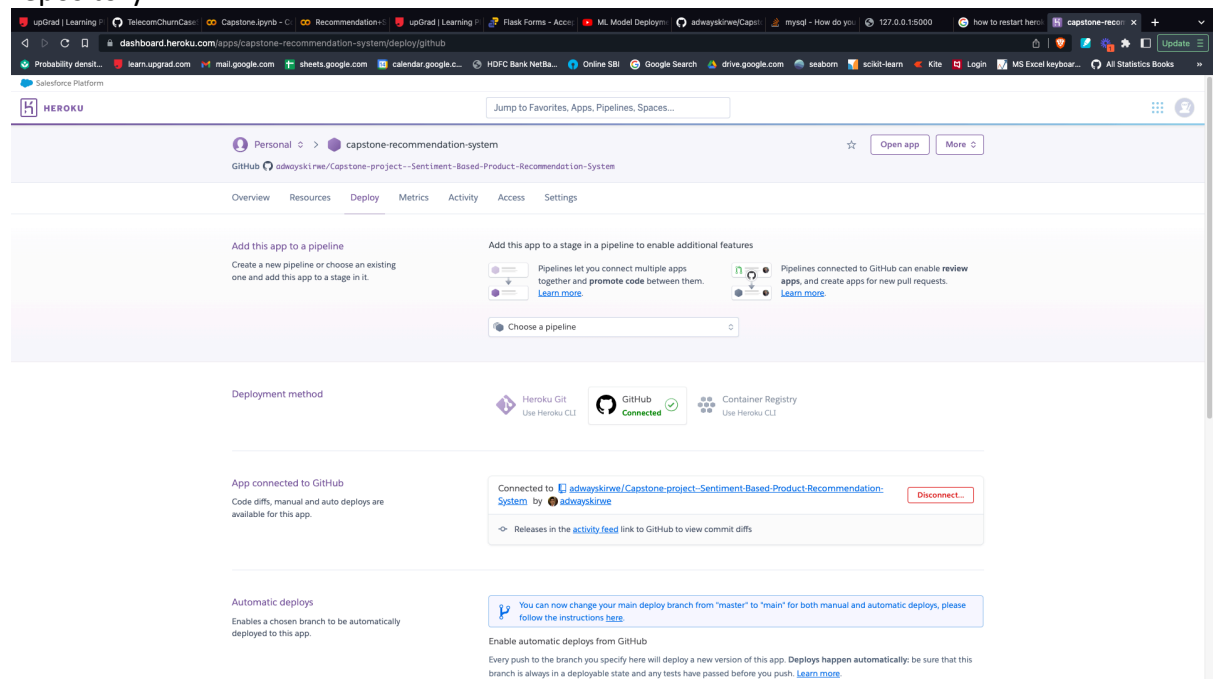
**Usage of the tool:**  
Please enter username in the below textbox and the Sentiment Based Product Recommendation System will output the top5 recommendations for next purchase.

Name

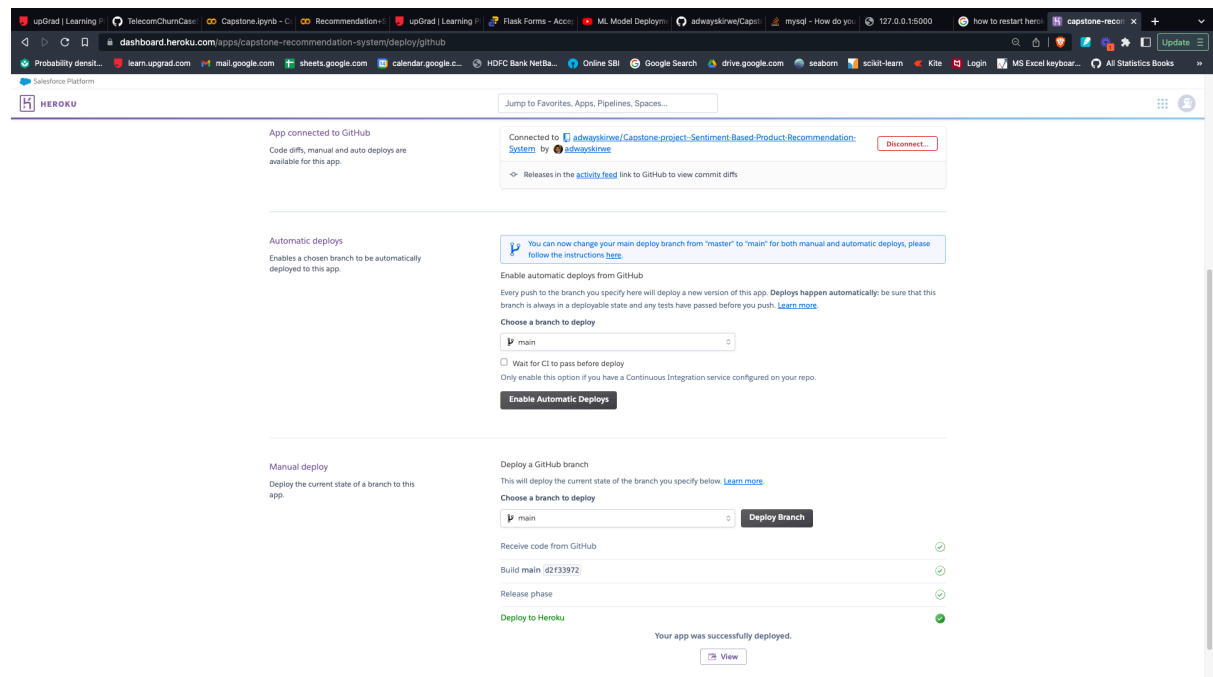
Your recommended list =

['Jason Aldean - They Don't Know', 'Godzilla 3d Includes Digital Copy Ultraviolet 3d/2d Blu-Ray/dvd', 'Planes: Fire Rescue (2 Discs) (includes Digital Copy) (blu-Ray/dvd)', 'Vaseline Intensive Care Healthy Hands Stronger Nails', 'Red (special Edition) (dvdvideo)']

## Deploying the app publicly via Heroku – deployment method used was using github repository



## Screenshot of successful app deployment on Heroku



## Screenshot of app's home page

Capstone project - Post Graduate Diploma in Machine Learning and Artificial Intelligence

Sentiment Based Product Recommendation System

**Problem Statement :**  
Ebuss, an e-commerce company, 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. A model has been built that will improve the recommendations given to the users given their past reviews and ratings by building a sentiment-based product recommendation system.

**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.

Name

## App details on the heroku platform

HEROKU

Jump to Favorites, Apps, Pipelines, Spaces...

Personal > capstone-recommendation-system

GitHub adwayskirwe/Capstone-project--Sentiment-Based-Product-Recommendation-System

Overview Resources Deploy Metrics Activity Access Settings

**App Information**

**App Name**  
capstone-recommendation-system

**Region**  
United States

**Stack**  
heroku-22

**Framework**  
Python

**Slug size**  
128.7 MiB of 500 MiB

**GitHub repo**  
adwayskirwe/Capstone-project--Sentiment-Based-Product-Recommendation-System

**Heroku git URL**  
https://git.heroku.com/capstone-recommendation-system.git

**Config Vars**  
Reveal Config Vars

**Buildpacks**  
Buildpacks are scripts that are run when your app is deployed. They are used to install dependencies for your app and configure your environment. Find new buildpacks on Heroku Elements

heroku/python

Add buildpack