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BatchCode: LISUM18

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Submitted to: Data Glacier

Deployment on Flask

This will involve deploying my anime hybrid recommendation model on Flask

we worked with an anime dataset that had the following columns:

anime_id

Title

Genre

Synopsis

Type

Producer

Studio

Rating

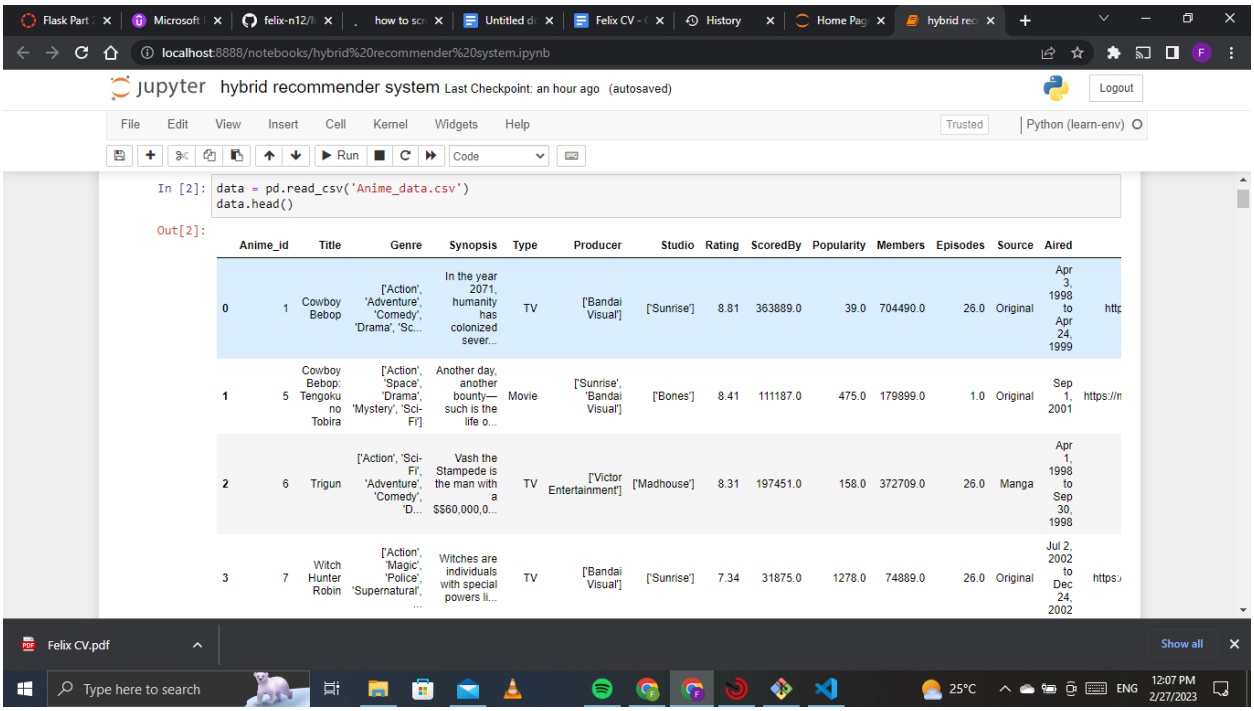
ScoredBy

Popularity

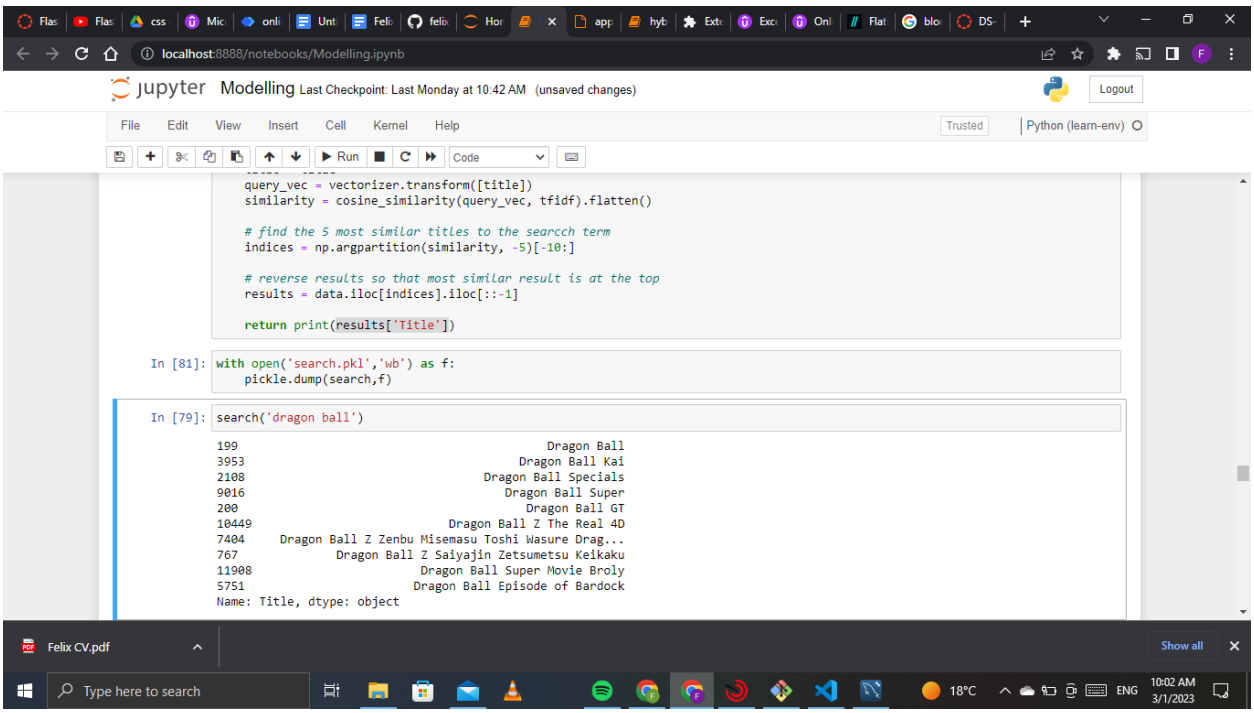
Members

Source

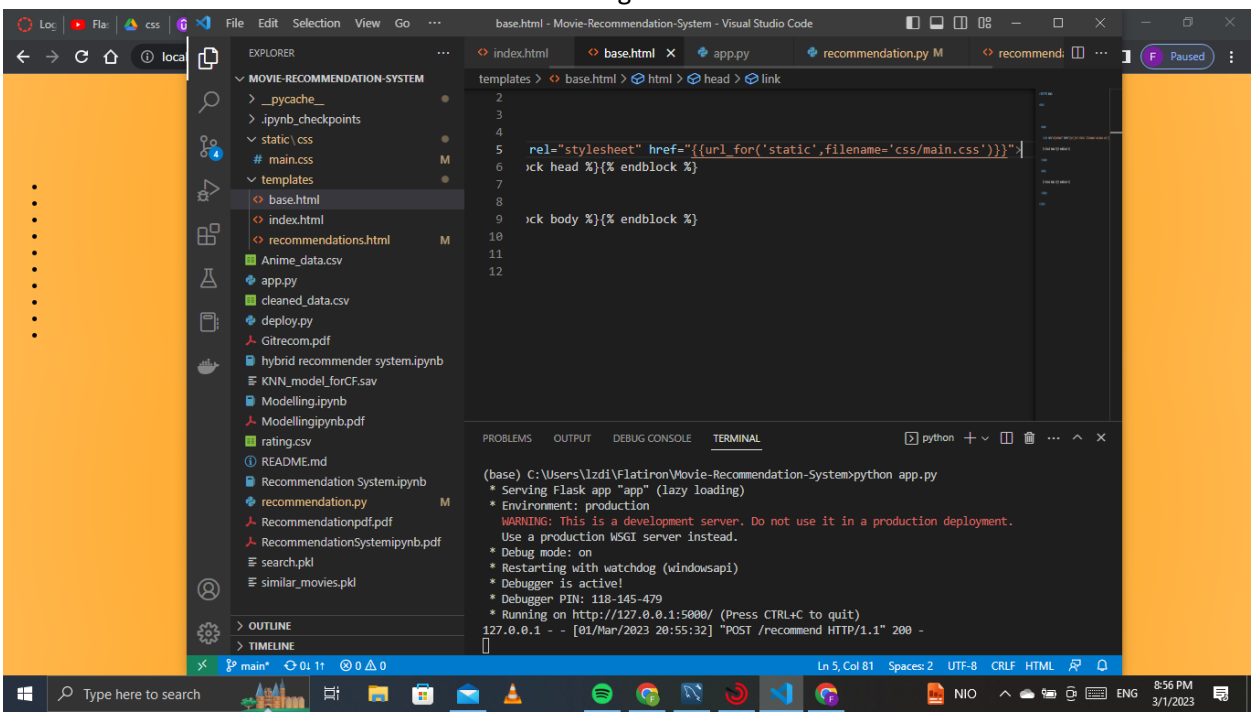
Aired



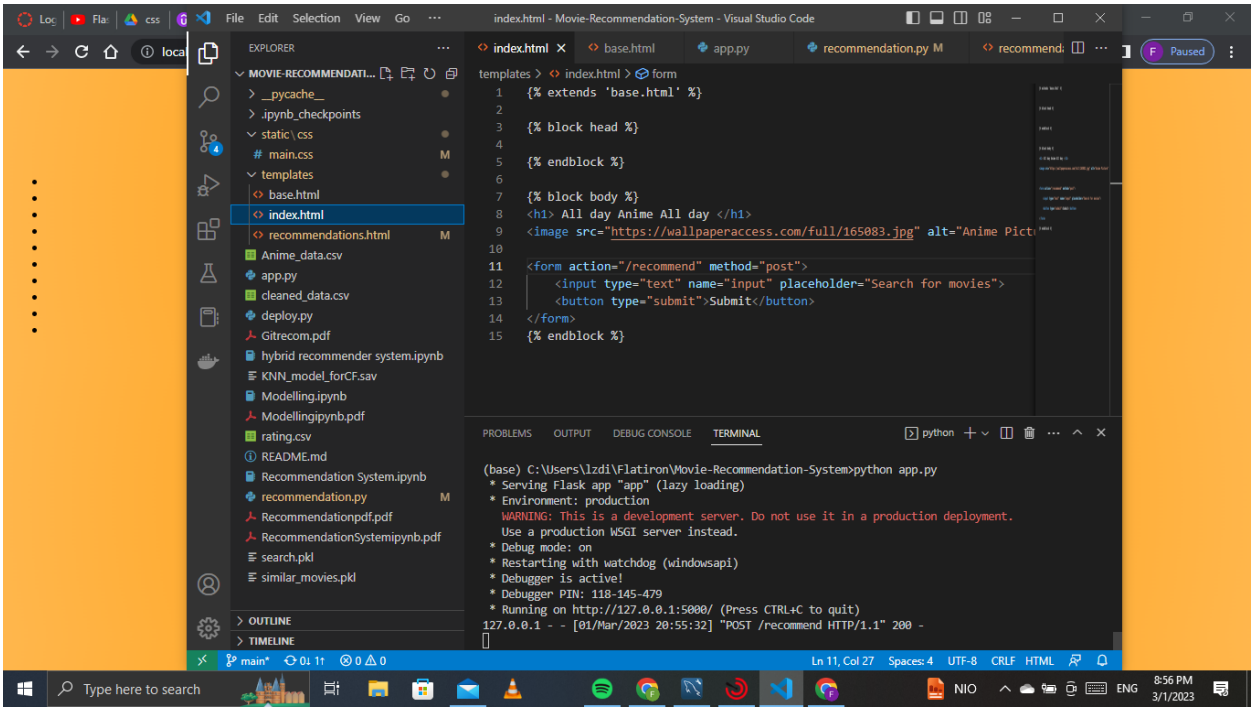
Saved the hydrid recommendation model using pickle

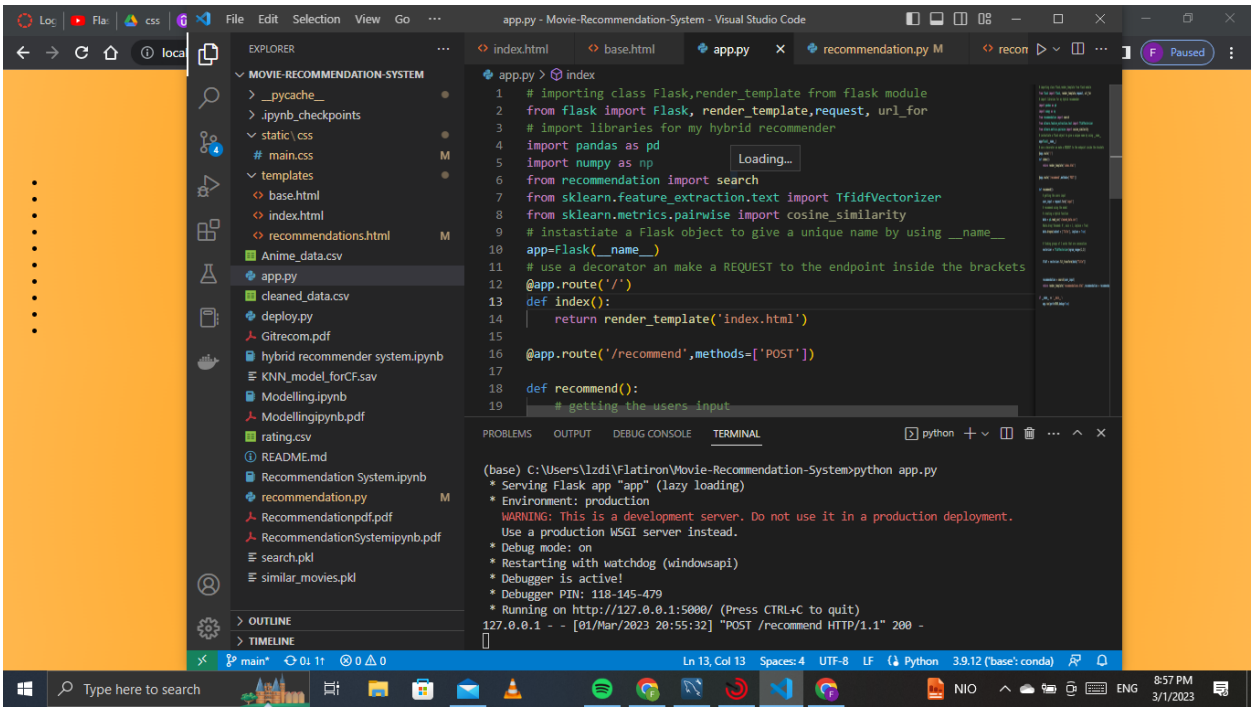


The base file for the foundation of the website image

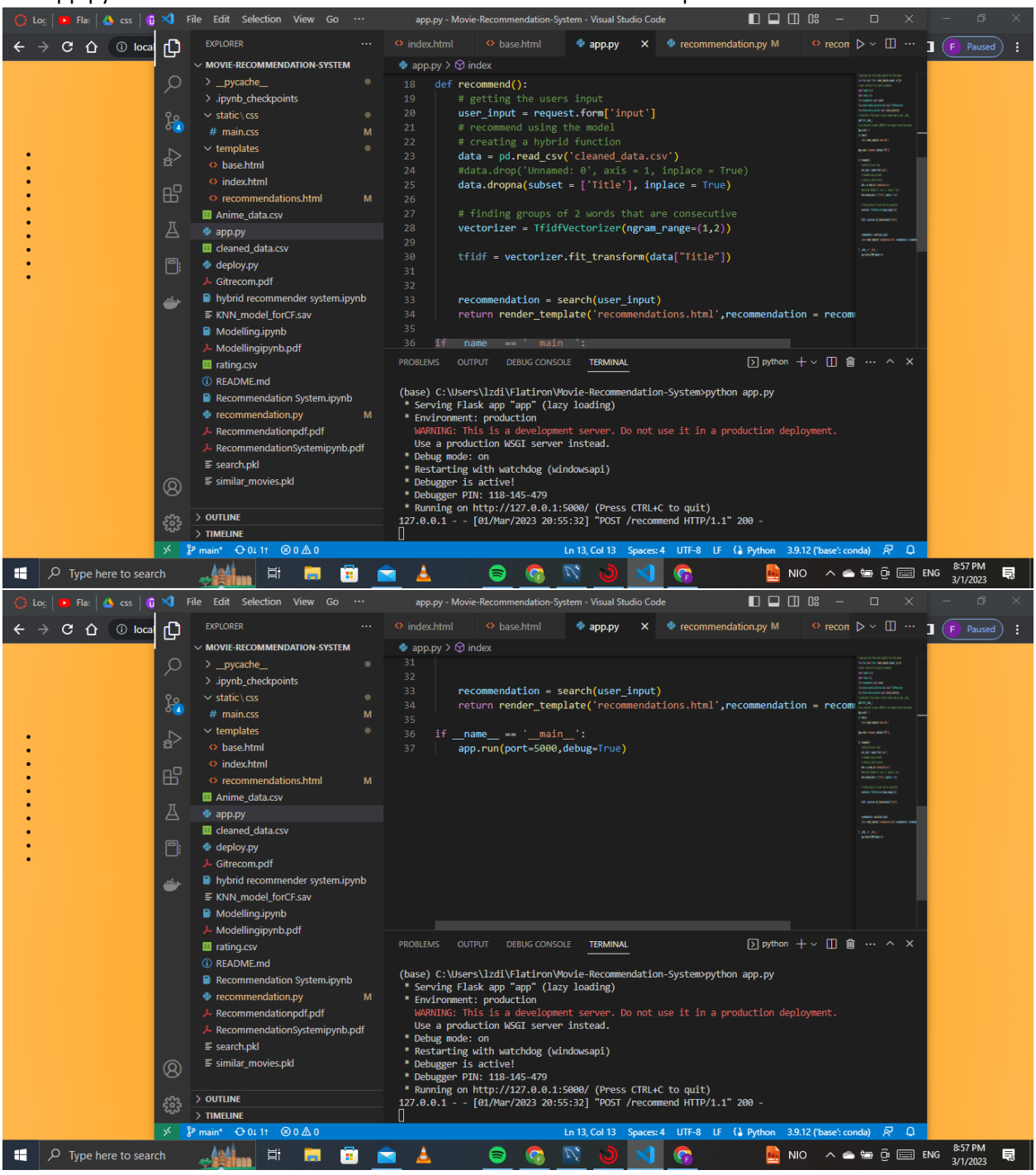


The file showing the template for the first page is called the index.file

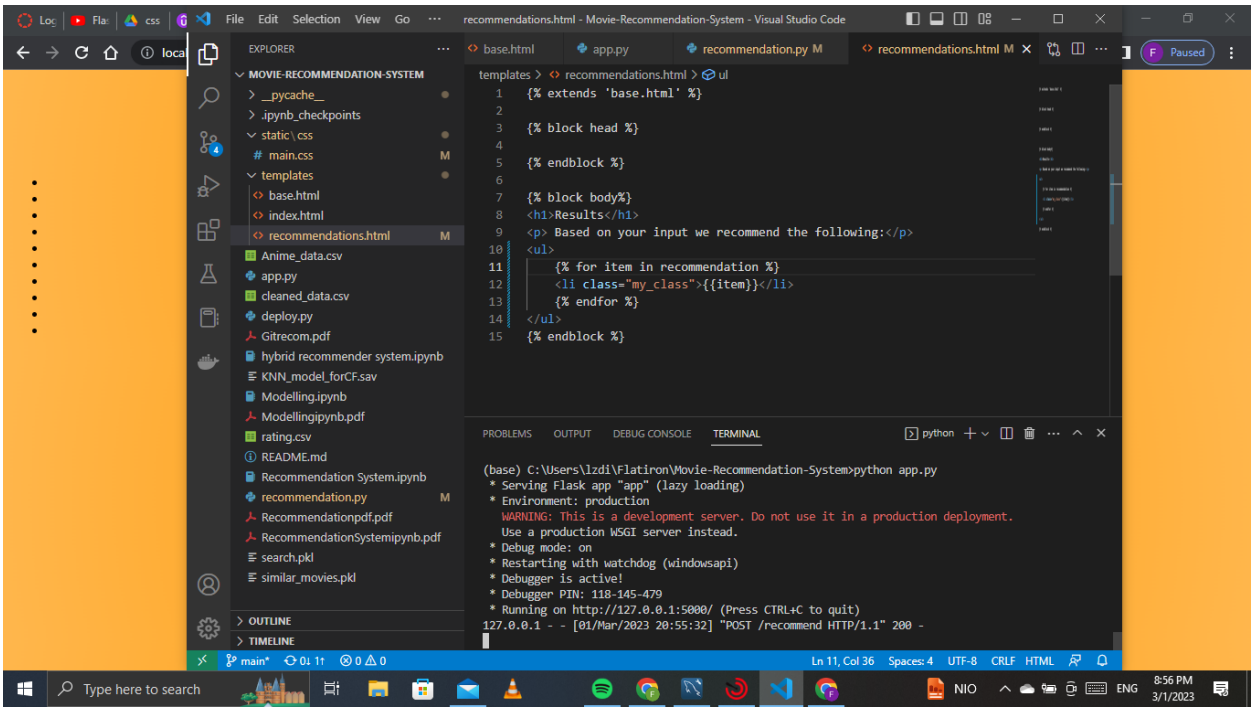



app.py - Movie-Recommendation-System - Visual Studio Code
File Edit Selection View Go
EXPLORER
MOVIE-RECOMMENDATION-SYSTEM
__pycache__
.ipynb_checkpoints
static\css
main.css
templates
base.html
index.html
recommendations.html
Anime_data.csv
app.py
cleaned_data.csv
deploy.py
Gitrecom.pdf
hybrid recommender system.ipynb
KNN_model_forCF.sav
Modelling.ipynb
Modellingipynb.pdf
rating.csv
README.md
Recommendation System.ipynb
recommendation.py
Recommendationpdf.pdf
RecommendationSystemipynb.pdf
search.pkl
similar_movies.pkl
OUTLINE
TIMELINE
index.html
base.html
app.py
recommendation.py M
Paused
app.py > index
# importing class Flask,render_template from flask module
from flask import Flask, render_template,request, url_for
# import libraries for my hybrid recommender
import pandas as pd
import numpy as np
Loading...
from recommendation import search
from sklearn.feature_extraction.text import TfidfVectorizer
from sklearn.metrics.pairwise import cosine_similarity
# instastiate a Flask object to give a unique name by using __name__
app=Flask(__name__)
# use a decorator an make a REQUEST to the endpoint inside the brackets
@app.route('/')
def index():
return render_template('index.html')
@app.route('/recommend',methods=['POST'])
def recommend():
# getting the users input
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
python
(base) C:\Users\lzdi\Flatiron\Movie-Recommendation-System>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: on
* Restarting with watchdog (windowsapi)
* Debugger is active!
* Debugger PIN: 118-145-479
* Running on http://127.0.0.1:5000/ (Press CTRL+C to quit)
127.0.0.1 - - [01/Mar/2023 20:55:32] "POST /recommend HTTP/1.1" 200 -
main*
Ln 13, Col 13 Spaces: 4 UTF-8 LF Python 3.9.12 ('base': conda)
Type here to search
NIO
ENG
8:57 PM
3/1/2023

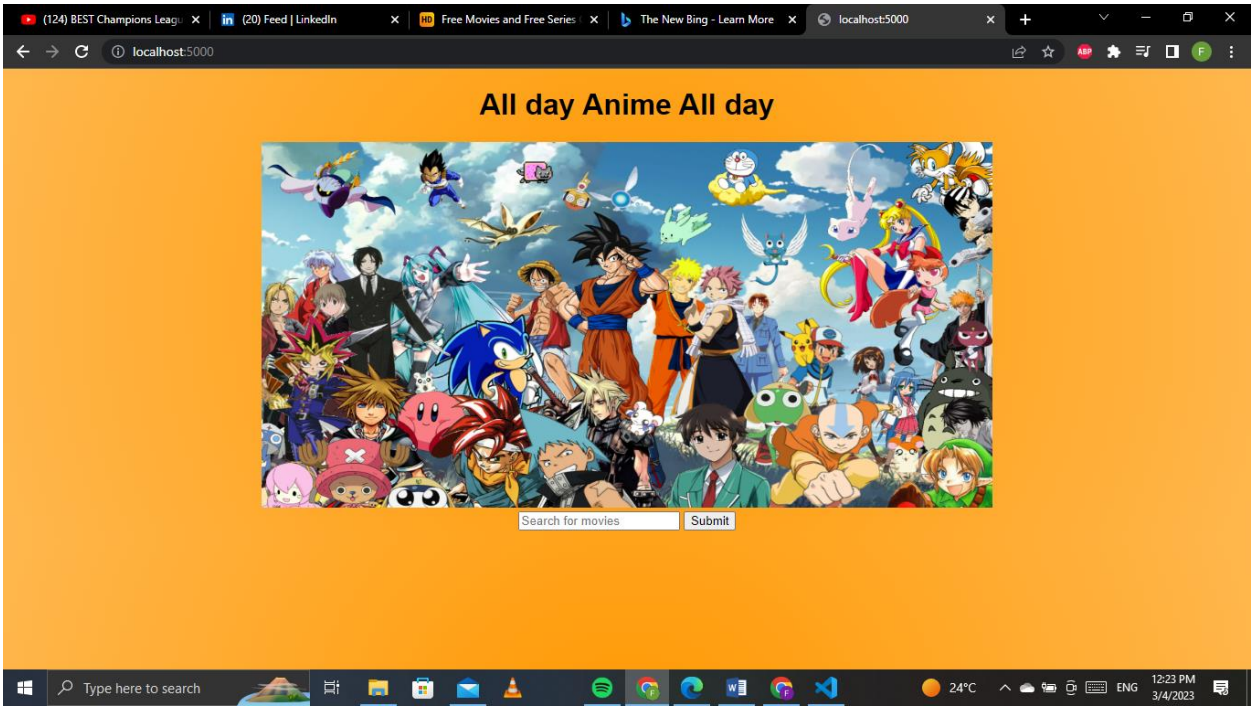
The app.py file shows the routes for the server for which to make requests from



Putting the recommendation template for the output result



after you run the servers the first page of the web is this



When you enter bleach as the movie you want to search for the recommendation template comes up