# Movie Ratings Web Application

# Ruihao Liu

# 50086167

Description

This is a Flask web application that displays movie information and ratings from users. The application uses the Jinja2 template engine and is hosted on Render. You can access the application using this URL: <https://assignment-apx5.onrender.com/>

Why and How the App was Developed

This application was developed to provide a platform where users can view and submit ratings for movies. The idea behind the application was to create a simple, easy-to-use interface for movie lovers to discover new movies and rate their favorite ones. The development of this application was done using the Python Flask framework and Jinja2 template engine.

Maintenance Details

This application was developed and is maintained by Ruihao Liu. If you encounter any issues with the application, please feel free to contact me via email at lrh500@outlook.com.

Dependencies

The application relies on the following packages:

Flask (1.1.4)

Jinja2 (2.11.3)

app (0.0.1)

async-generator (1.10)

attrs (22.2.0)

behave (1.2.6)

certifi (2022.12.7)

exceptiongroup (1.1.0)

gunicorn (20.1.0)

h11 (0.14.0)

idna (3.4)

outcome (1.2.0)

parse (1.19.0)

parse-type (0.6.0)

PySocks (1.7.1)

selenium (4.8.2)

six (1.16.0)

sniffio (1.3.0)

sortedcontainers (2.4.0)

trio (0.22.0)

trio-websocket (0.9.2)

typing-extensions (4.5.0)

urllib3 (1.26.14)

wsproto (1.2.0)

How to Run the App

To run the application, you will need to have Python 3.7.0 installed on your machine. Here are the steps to follow:

Clone this repository to your local machine.

Set up a virtual environment for the application using the command python3 -m venv .venv.

Activate the virtual environment using the command source .venv/bin/activate.

Install the required packages using the command pip install -r requirements.txt.

export FLASK\_APP=Framework.py

export FLASK\_ENV=development

Run the application using the command python3 -m flask run --host 0.0.0.0.

How to Test the App

To test the application, you can use the provided environment.py script in the root directory to test the environment. Additionally, you can use the rating.py script in the steps folder within the features folder to test the rating\_details page using the Behave testing framework. To run the tests, simply run the command behave.

Contributing

If you would like to contribute to this project, please feel free to submit a pull request.

Thank you for using our application!