Loom video : https://www.loom.com/share/cd37391fc2454add9d757acbc8cbf955

Introduction

This chatbot is about anime. You can ask him information about an anime, season, top tier anime list and even ask him to recommend you animes based on what you've already seen. This chatbot is based on the JikanJS API which is a small Wrapper of the Jikan API. Jikan is an unofficial MyAnimeList API.

It may not be running right know due to deployment issue, but you can watch the video to be sure that it is working!

Requirements

- Python
- Node.js
- JikanJS

How to use it ?

The chatbot is divided in 2 parts. The Facebook messenger platform and the recommender system. The Facebook messenger is made in JavaScript and the recommender system is made in python, so we had to make an external API to link both. The recommendation part is also available in a python notebook So, if you want to use the chatbot at home you will need to follow those steps:

- Get a Facebook Messenger app setup on the Facebook developers's platform, to get a page token.
- Install jikanjs librairy using : npm install jikanjs --save
- Install all useful librairies such as xregexp by using : npm install
- Modify the development file with your facebook developper information
- You can now run the chatbot with the command "node server.js".
- Register the webhook (using ngrok http 3000) to your app with the verify token you choose at the creation of your development file.
- Run the python api in another shell using : py app.py

Congrats you can now start use your messenger Chatbot !

Recommandation system

The dataset we use dis from a my anime list webscraping. I developped first a python notebook for the recommandation you can find it in this repository.

For our chatbot, Since we need a library of animes and their rating the user has seen. we created a regex to add an anime with is rating which is append to an list of arrays.

We have all the data required to our recommendation. Since we are in a content based algorithm that will recommend the best anime based on the cosine value using the genre tags.

To implement it on our api, we copy paste the content of our notebook in the app.py the only difference is that the normalise and import steps are not done because we saved our dataframe in pickle that helps the api to be faster.

Type of commands

hello

Hi

Hi to you too!

bye

Bye

See you again !

Season

Could you recommend me animes from the season fall in 2015

Let me check...

Haikyuu!! Second Season: 8.72

Rakudai Kishi no Cavalry: 7.52

One Punch Man: 8.56

Noragami Aragoto: 8.21

Owari no Seraph: Nagoya Kessen-hen: 7.64

Add Anime

Please add this anime to my watchlist Godzilla my rating is 10

Your anime has been succesfully added !

Search

Let me check...

Naruto x UT: All-new animation offered throughout UNIQLO clothing stores in Japan on January 1, 2011. The DVD contains an exclusive version of Mayonaka Orchestra, by the Japanese rock band Aqua Timez. A limited nu...

Boruto: Naruto the Movie: The spirited Boruto Uzumaki, son of Seventh Hokage Naruto, is a skilled ninja who possesses the same brashness and passion his father once had. However, the constant absence of his father, who is busy...

Naruto: Moments prior to Naruto Uzumaki's birth, a huge demon known as the Kyuubi, the Nine-Tailed Fox, attacked Konohagakure, the Hidden Leaf Village, and wreaked havoc. In order to put an end to the Kyuubi'...

The Last: Naruto the Movie: Two years have passed since the end of the Fourth Great Ninja War. Konohagakure has remained in a state of peace and harmony—until Sixth Hokage Kakashi Hatake notices the moon is dangerously approachi...

Naruto: Shippuuden: It has been two and a half years since Naruto Uzumaki left Konohagakure, the Hidden Leaf Village, for intense training following events which fueled his desire to be stronger. Now Akatsuki, the myster...

Later (next season)

What are the anime launching next season

Let me check...

Kaguya-sama wa Kokurasetai: Tensai-tachi no Renai Zunousen 3rd Season: Third season of Kaguya-sama wa Kokurasetai: Tensai-tachi no Renai Zunousen.

Kanojo, Okarishimasu 2nd Season: Second season of Kanojo, Okarishimasu.

Tate no Yuusha no Nariagari Season 2: Second season of Tate no Yuusha no Nariagari.

Tate no Yuusha no Nariagari Season 3: Third season of Tate no Yuusha no Nariagari.

Arifureta Shokugyou de Sekai Saikyou 2nd Season: Second season of Arifureta Shokugyou de Sekai Saikyou.

Top

_____

Give me the greatest anime of all time

Let me check...

Here is the top lead

Fullmetal Alchemist: Brotherhood: 9.18

Gintama°: 9.1

Steins;Gate: 9.11

Shingeki no Kyojin: The Final Season: 9.14

Shingeki no Kyojin Season 3 Part 2: 9.11

Recommend

Please recommend me 4 animes

An internal error occurred.

Sorry, We have an issue with the API Service

```
PS C:\Users\Windows\Downloads\Anime_Bot\recommandation> py 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://0.0.0.0:8000/ (Press CTRL+C to quit)
oui
début
milieu
fin

We recommand you to see :
 Full Metal Panic! The Second   |       Last    |       Solty  |       Mononoke        |       Speed  |
127.0.0.1 - - [27/Mar/2021 18:34:25] "←[37mPOST /api/recommandation_anime HTTP/1.1←[0m" 200 -
oui
début
milieu
fin

We recommand you to see :
 Last   |       Solty  |       Mononoke        |       Speed  |
127.0.0.1 - - [27/Mar/2021 18:34:49] "←[37mPOST /api/recommandation_anime HTTP/1.1←[0m" 200 -
oui
début
oui
début
milieu
fin

We recommand you to see :
 Last   |       Solty  |       Mononoke        |       Speed  |
127.0.0.1 - - [27/Mar/2021 18:36:17] "←[37mPOST /api/recommandation_anime HTTP/1.1←[0m" 200 -
milieu
fin

We recommand you to see :
 Last   |       Solty  |       Mononoke        |       Speed  |
127.0.0.1 - - [27/Mar/2021 18:36:17] "←[37mPOST /api/recommandation_anime HTTP/1.1←[0m" 200 -
```