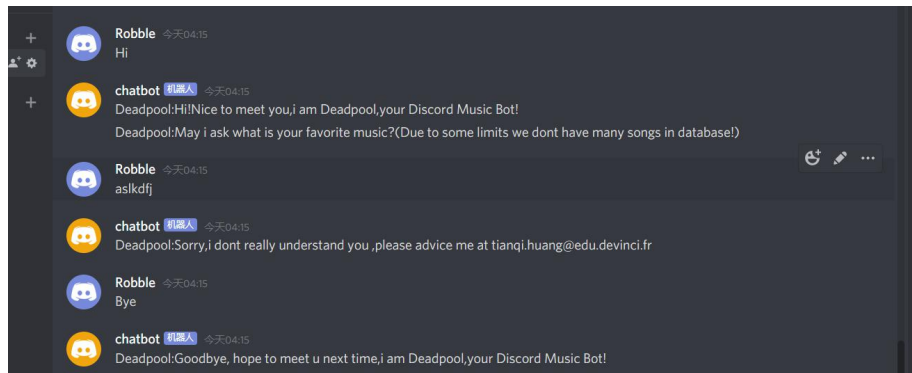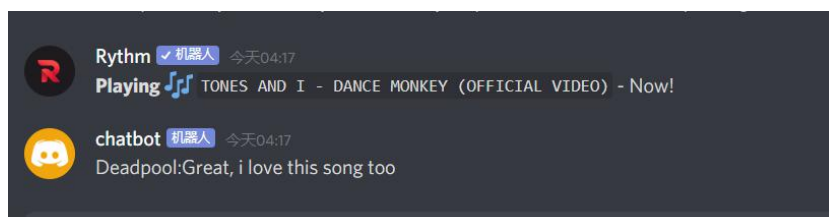I.   Part ChatBot

We used Discord as our platform for our music-recommendation bot,for using this ChatBot ,u have to join my Discord server,which is https://discord.gg/mP8wUnUa (maybe will be out of date),after that you just have to chat with the bot in the chat

,you can also play song in the chat by adding !play in front of the song

II.   Part Recommendation System

In Recommendation System ,we grab some data from a Chinese musical tool,and transfer it to j-son form and use a world2vec model for build our model and train our data,and after by the song given by the user,we calculate the top 10 songs who has the highest similar score,and recommend it to user.

```
455814925 有些话想和你说-夏初安

top sim score songs:
    起风了(Cover:买辣椒也用券)-麓七 0.5444984436035156
    初爱-杨宗纬 0.5387155413627625
    haze-TK from 凛として時雨 0.538310706615448
    原谅-张玉华 0.5213785171508789
    天咲ク白翼ノ夢-エルム凪 0.5190571546554565
    Animals-Martin Garrix 0.5176948308944702
    Lost -满舒克 0.5173748731613159
    Nobody Compares To You-Gryffin 0.5148538947105408
    Souvenirs-Swimming Tapes 0.5145800113677979
    【钢琴】恋与制作人登录音乐-昼夜 0.5123800039291382
```

It work well when i exec the code with Spyder but once i use node index.js in the CMD,it gives an error

```
(node:22620) UnhandledPromiseRejectionWarning: ReferenceError: dosomething is not defined
    at callback (C:\Users\Nene\desktop\study\S8\chatbot and sys\project\index.js:6:5)
    at C:\Users\Nene\desktop\study\S8\chatbot and sys\project\node_modules\jsexecpy\src\runpython.js:55:13
    at processTicksAndRejections (internal/process/task_queues.js:93:5)
(node:22620) UnhandledPromiseRejectionWarning: Unhandled promise rejection. This error originated either by throwing inside of an async function without a catch block, or by rej
ecting a promise which was not handled with .catch(). To terminate the node process on unhandled promise rejection, use the CLI flag `--unhandled-rejections=strict` (see https:/
/nodejs.org/api/cli.html#cli_unhandled_rejections_mode). (rejection id: 8)
err :     import gensim
ModuleNotFoundError: No module named 'gensim'
```

No module gensim which i install multiple times so for that situation we failed to combine the recommendation system with our ChatBot.

III. Connection with the Bot

After u go to my server, i have to run the code on my own computer so u can talk to the chatbot,if i dont run the code my side, you have to start your own Discord room and create a bot with a given token and put him in the room and run the code on your side!