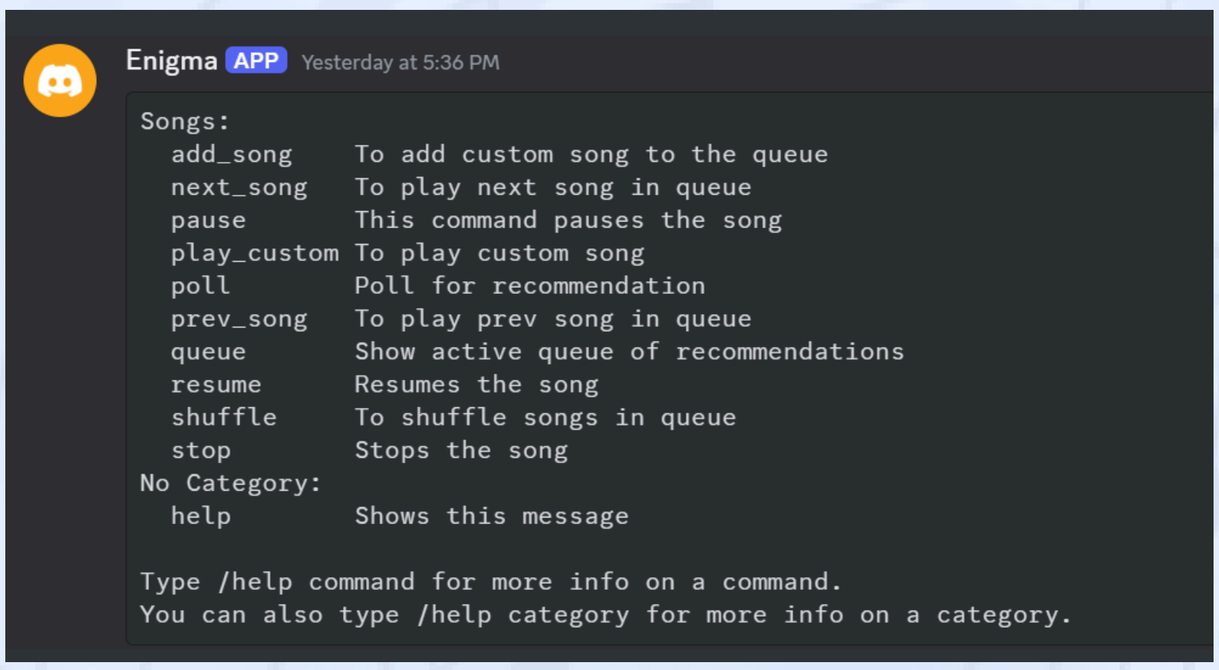
ENIGMA

The one bot you could groove to with in your discord server.
You ask a song and we play it.



IMPROVEMENTS

1. Added a new dataset containing approximately 24,000 songs spanning from 1950 to 2019.
2. Introduced functionality to shuffle songs within the queue.3. Implemented a feature allowing users to add custom songs to the queue.
4. Fixed an issue related to fetching songs from YouTube.
5. Extended the application for deployment on Microsoft Azure.

FUTURE SCOPE/ MILESTONES

1. Enhance song recommendations using a content-based recommender system.
2. Integrate user feedback, including dislikes, into the recommendation logic.
3. Use web scraping and exploratory data analysis (EDA) to improve the database for the Discord bot.
4. Add new functionalities to the Discord bot:
    a. Move a song within the queue or to the top.
    b. Jump to a specific song in the queue.
    c. Replay a song without navigating through the queue

TEST CASES

The test cases cover several functionalities related to song recommendation and queue management for a music bot. They validate core features such as fetching and filtering songs, song recommendations, queue operations (e.g., next, previous song), and Discord bot commands like playing, shuffling, and stopping songs. Additionally, utility functions like searching for a song on YouTube and retrieving a random selection of 25 songs are also tested.

SCAN ME FOR DEMO!

TOOLS USED

1. FFMPEG
2. Python
3. Discord

https://github.com/devanshi39/SE-Project-Recipe-Recommender