# Enigma

## A Music Recommender Bot for Discord

## About

Meet Enigma, the revolutionary open-source music recommender bot designed to enhance your listening experience on Discord. Enigma utilizes voice channels to play music based on user input. Whether you are looking to share a listening session with friends or need a musical backdrop for your team's collaboration, Enigma is equipped to set the tone.
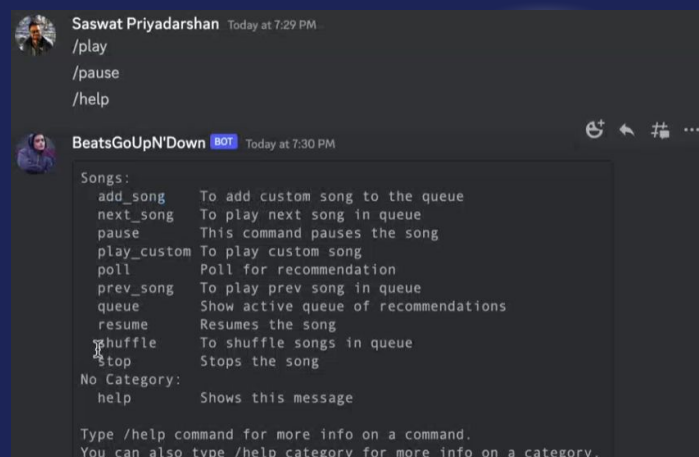
## Enhancements

- Expanded the song database.
- Added a new functionality to shuffle the songs within the queue.
- Added a new functionality to add a custom song to the queue.
- Allowed songs to be added from a Youtube link, then streamed automatically.
- Extended the application to be deployed on Microsoft Azure.
- Improved code coverage to 68% with 27 test cases.

## Future Proposals

- Make the song recommendations more sophisticated by using content-based recommender systems.
- Integrating likes/dislikes in the recommendation logic.
- Use web scraping and EDA to get a song database that updates automatically.
- Advanced queue management: Move a song within a queue or to the top of the queue, jump to a specific song in the queue, instant song replay

## Team 87

**Kevin Dai, Gwen Mason, Yi Zhang**

Repo: Enigma Repository

Demo: Enigma Demo

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Saswat Priyadarshan  Today at 7:29 PM
/play
/pause
/help

BeatsGoUpN'Down  BOT  Today at 7:30 PM

```
Songs:
  add_song      To add custom song to the queue
  next_song     To play next song in queue
  pause         This command pauses the song
  play_custom   To play custom song
  poll          Poll for recommendation
  prev_song     To play prev song in queue
  queue         Show active queue of recommendations
  resume        Resumes the song
  shuffle       To shuffle songs in queue
  stop          Stops the song
No Category:
  help          Shows this message

Type /help command for more info on a command.
You can also type /help category for more info on a category.
```
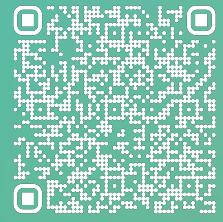
# ToDone

a personalizable, minimalist, online productivity tool
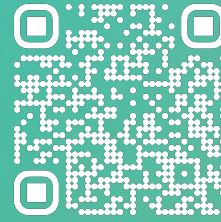
## About

Have you ever struggled to get the things you want done because you can't find a to-do list manager that fits your work style?

With To-Done, you can easily save, track, and get email reminders for your to-do list tasks across multiple devices. Color code and set deadlines to your tasks so you can prioritize your milestones and get back in control of your projects.

## Enhancements

- Added Shared Lists feature, allowing multiple users to collaborate on a list's creation and management

- Added Due Dates feature and due date alerts for better task management

- Added customizable grouping labels during task creation for better task organization

- Added colored tags to tasks for better organization and personalization of task list

- Added message alerts for tasks completed

- Improved code coverage to 83% with 22 test cases

## Future Proposals

- Syncing your account information and todo lists with a Google Account for easy login, access, and cross-compatibility

- Sharing your todo lists with others by allowing importing/exporting

- Allow for more specific customization of tasks, such as assigning it to multiple people, making the task recurring, and setting a specific time for a task



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