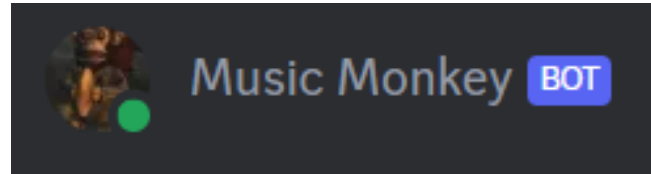


Music Monkey – Discord Music Bot

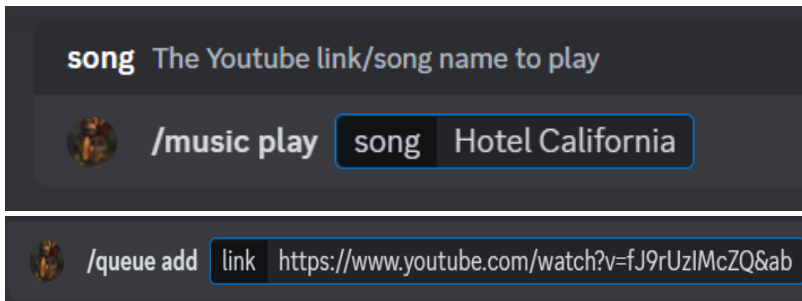
Project description

Design and developed a music bot currently used daily by over 100 active users across multiple Discord servers, allowing users to simultaneously with others whilst in voice rooms.



Discord bot:

A Discord bot is a user-like member of a Discord server that can perform various actions using Discord's public REST API. With Music Monkey, users can perform commands enabling the bot to join a voice channel and entertain users by playing music within the channel.

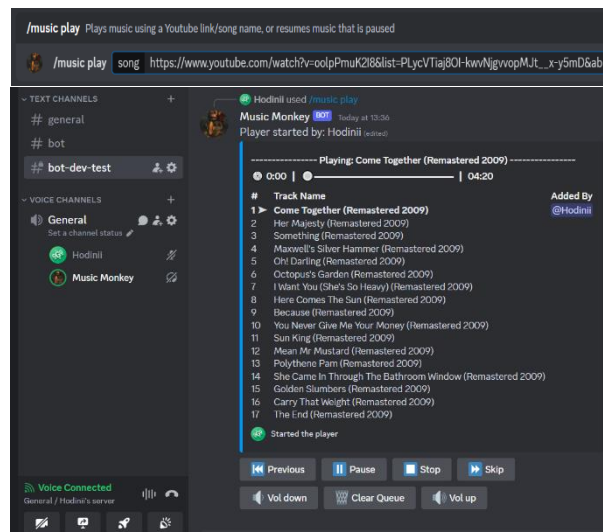
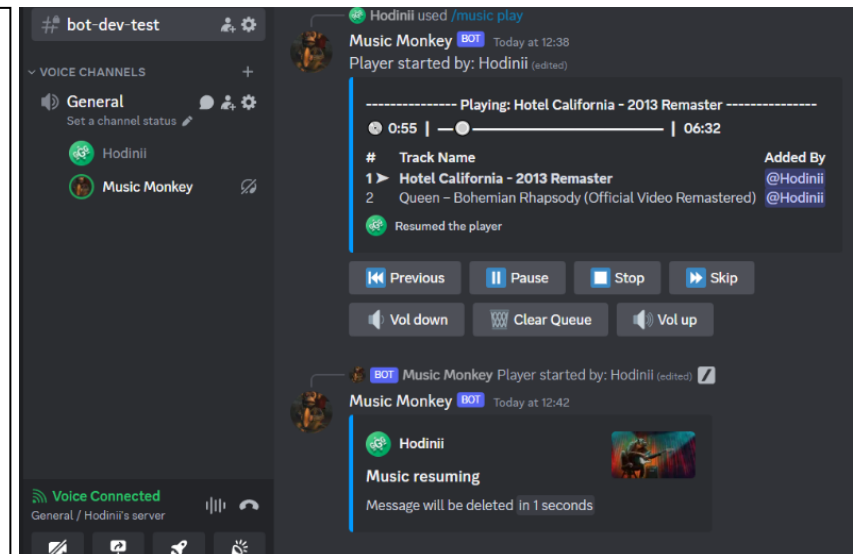


Song selection:

Users can play songs directly or add them to an existing queue. They can select songs either by entering the song name, prompting an automatic search on YouTube for the correct track, or by providing a YouTube link.

Player interface:

When a song is selected, a graphical user interface (GUI) will appear, along with the music bot joining the voice channel to play the chosen track. The GUI features all the tracks in the queue along with the respective user who added the track. Additionally, interactive buttons were implemented to allow users to control playback and manage the queue.



Playlists:

Implemented functionality to play entire playlists using YouTube links, automatically adding every track from the playlist into the queue.

Technologies

- JavaScript
- Node.js
- REST API

Other tools

- ESLint
- Git
- GitHub
- Visual Studio Code

Development methodologies

- Unit testing
- UML diagrams
- UX design
- Full-stack project