Final Documentation.

**Getting Started:**

Graphical user interface, application

Description automatically generated

A speech-to-text bot for Discord written in python will be useful for hearing impaired and deaf people.

Developers:

Try the bot by yourself on discord server

<https://discord.com/developers/applications/1091794807271198870/bot>

Notes:

1. Create the Discord server.
2. Create the bot in Discord developer portal.
3. Create a separate voice channel and transcript channel.
4. Create Google cloud account and enable Speech to text service API in cloud console.
5. Create the storage bucket and download the Google key secret JSON file.
6. Now you have a discord server, the bot is running and is a part of your server.
7. Enter one of the voice channel and invite the bot to the channel by command **“?start\_rec”**.
8. Once your meeting is done, give command **“? stop\_rec”** and then bot leaves the channel and gives the audio recorded per user.
9. The recorded audio is stored in the local directory in MP3 format.
10. Once the bot stops recording the audio, the MP3 format file is converted to LINEAR16 format, and the converted audio is then uploaded to Google cloud storage and a recognition job is started using the Google Speech to text API.
11. Once the recognition is done, the transcribed text is sent to designated channel in discord using “send” method.
12. Finally deploy the project on Heroku platform.