

Team 4: Dislingo

What is Dislingo?

- Dislingo will allow two people speaking different languages to translate to other languages to enable communication

System Requirements-

- Bot commands to allow for bot to join the channel and enable translating
 - Allow for language selection commands as well
- Bot listens for dialogue
- Bot converts to text
- Bot translates text
- Bot reads translated text
- Utilize OpenAI(Deep translation) to complete translations
- Speech-to-Text and Text-to-Speech completed via
- Functional (needs further elaboration before assignment completion)-
- Bot joining and leaving discord channel via commands
- Capture audio from users
- Selection for translation language
- Delivery of translated text (chat or audio)

Functional Requirements-

- Bot joining and leaving discord channel via commands
- Capture audio from users
- Selection for translation language
- Delivery of translated text (chat or audio)

Non-Functional Requirement-

- Accurate translations
- Speed of translations and delivery (ideally within 10 seconds for now)
- Bot security requirements allowing for joining calls, speaking, and chatting within channels

Customer / End User-

- Customer - Discord server owners and moderators
- End user - Users of those discord servers

Problem we are solving -

- Allowing for communication between multilingual users in a discord call

System use case scenarios / requirements -

- Students apart of a project
- International co-worker

System components-

