

PROJECT PROPOSAL

Team 8

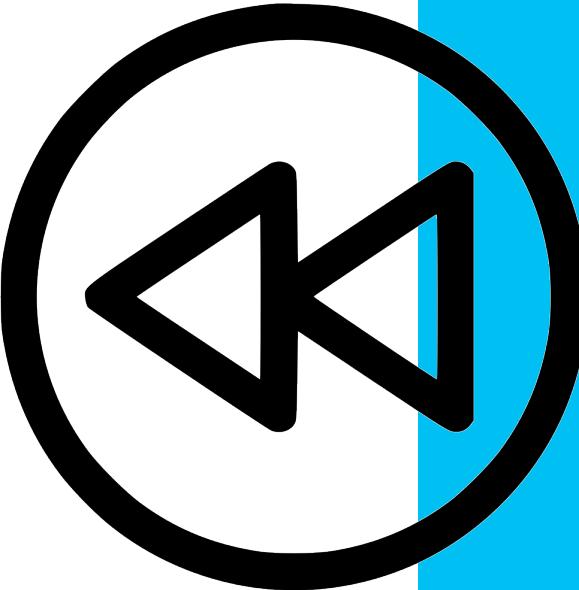
MOTIVATION / BACKGROUND

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- Online meetings have become prevalent these days.
- Due to the COVID-19 situation, it has become more in use, and its importance have increased incredibly.



MOTIVATION / BACKGROUND



- Documentation of meetings are required at times.
- Sometimes one may want to take a look back at a conversation.
- However, it is hard to do so besides two inconvenient ways
 - Rewinding and watching the recorded video.
 - Having someone to write down the whole talk.



OVERALL DEVELOPMENT PLAN

MAIN DEVELOPMENT

1. Speech Recognition

The service should be able to convert voice memo into texts.

2. Live Video, Voice streaming

The service should provide live streaming



FUNCTIONS

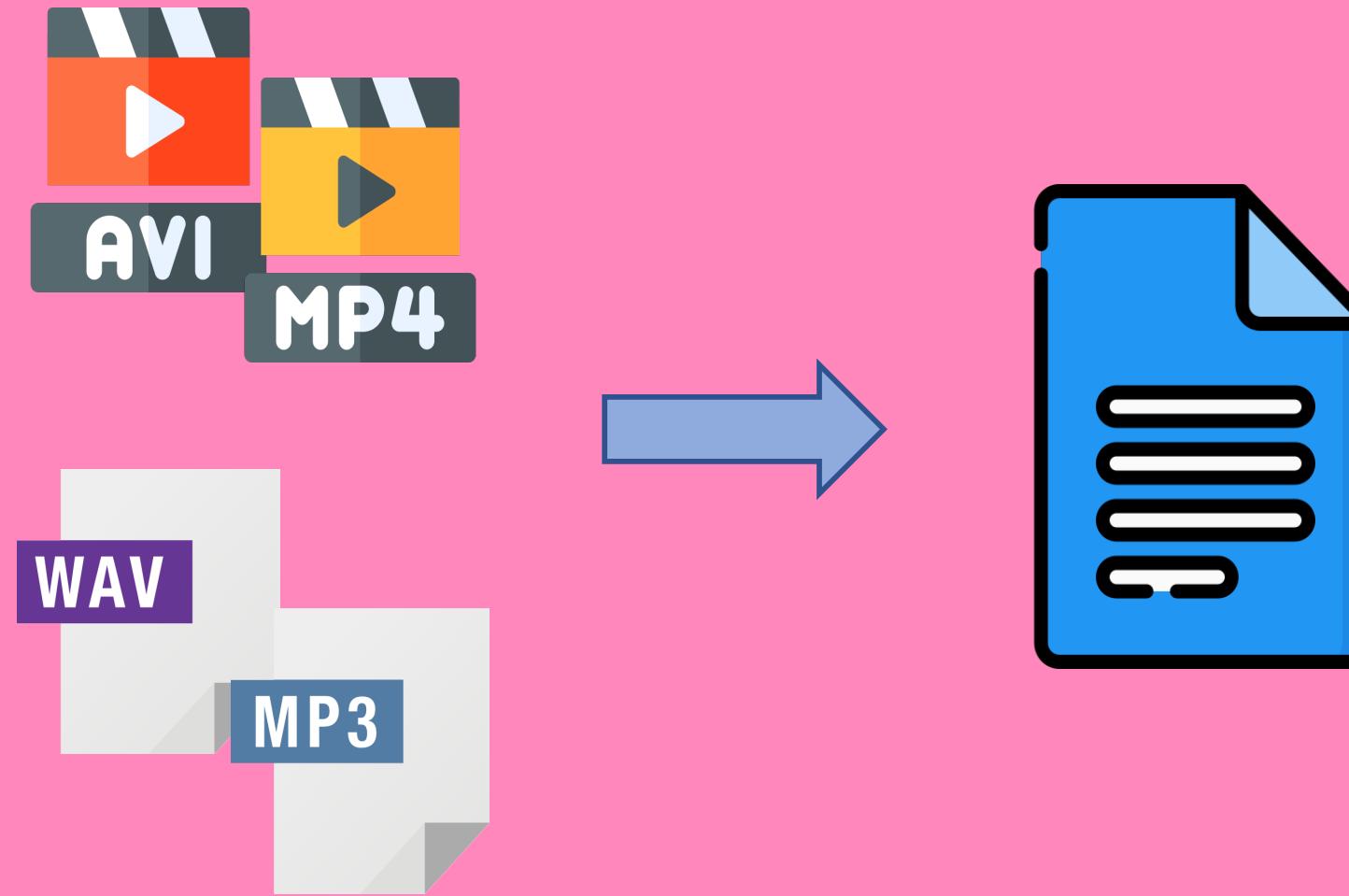


Video Streaming / Chat

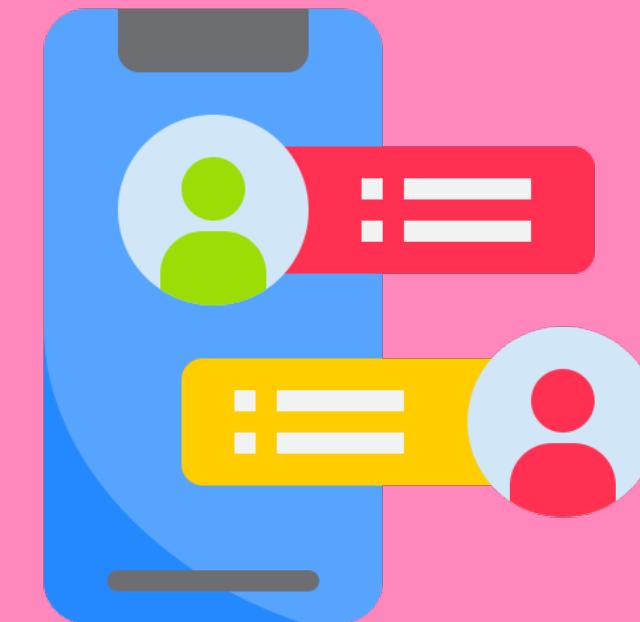


Video Recording

Conversion to script from a video / audio file



Real-time Text-based chat

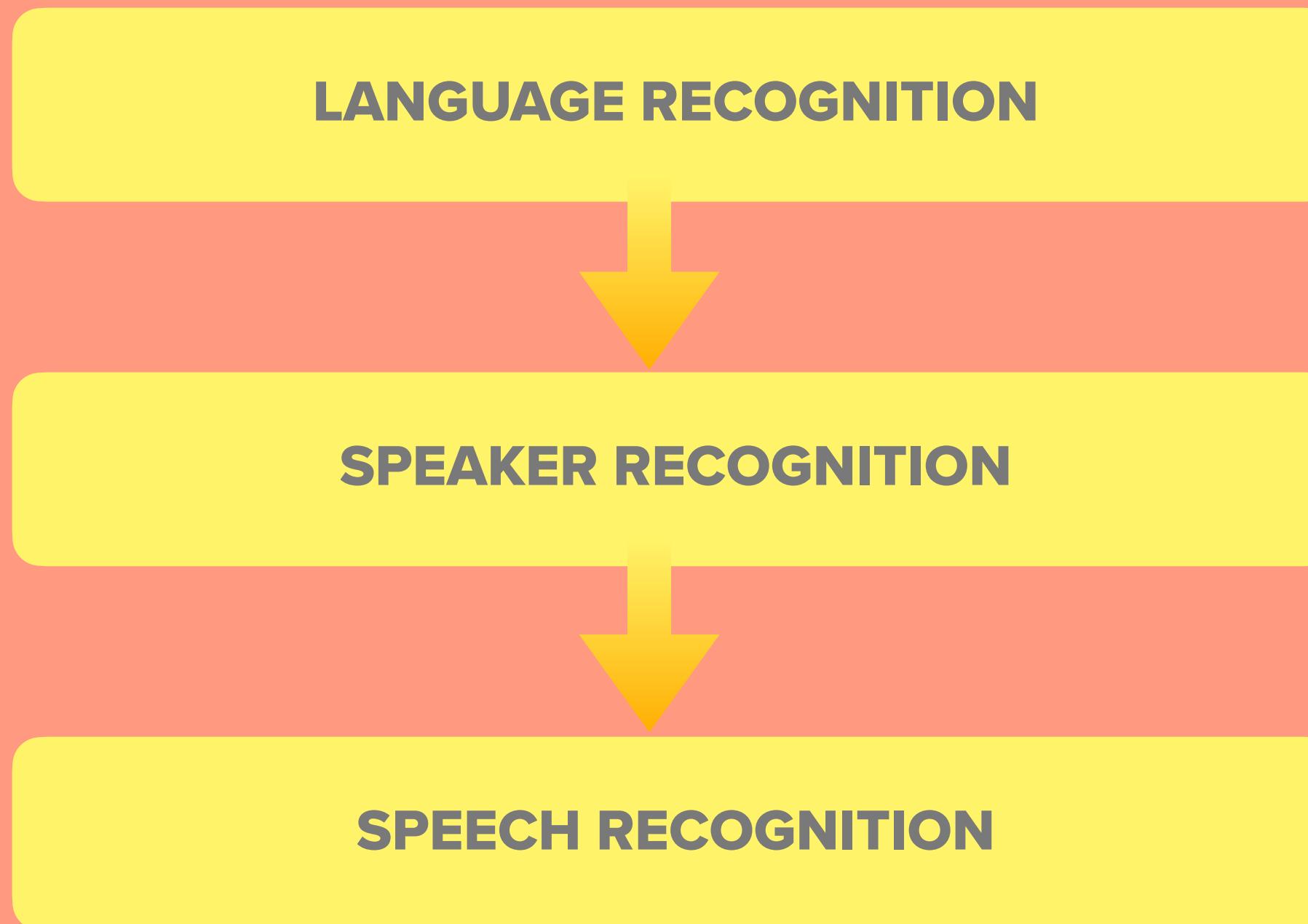


AGILE APPROACH BASE

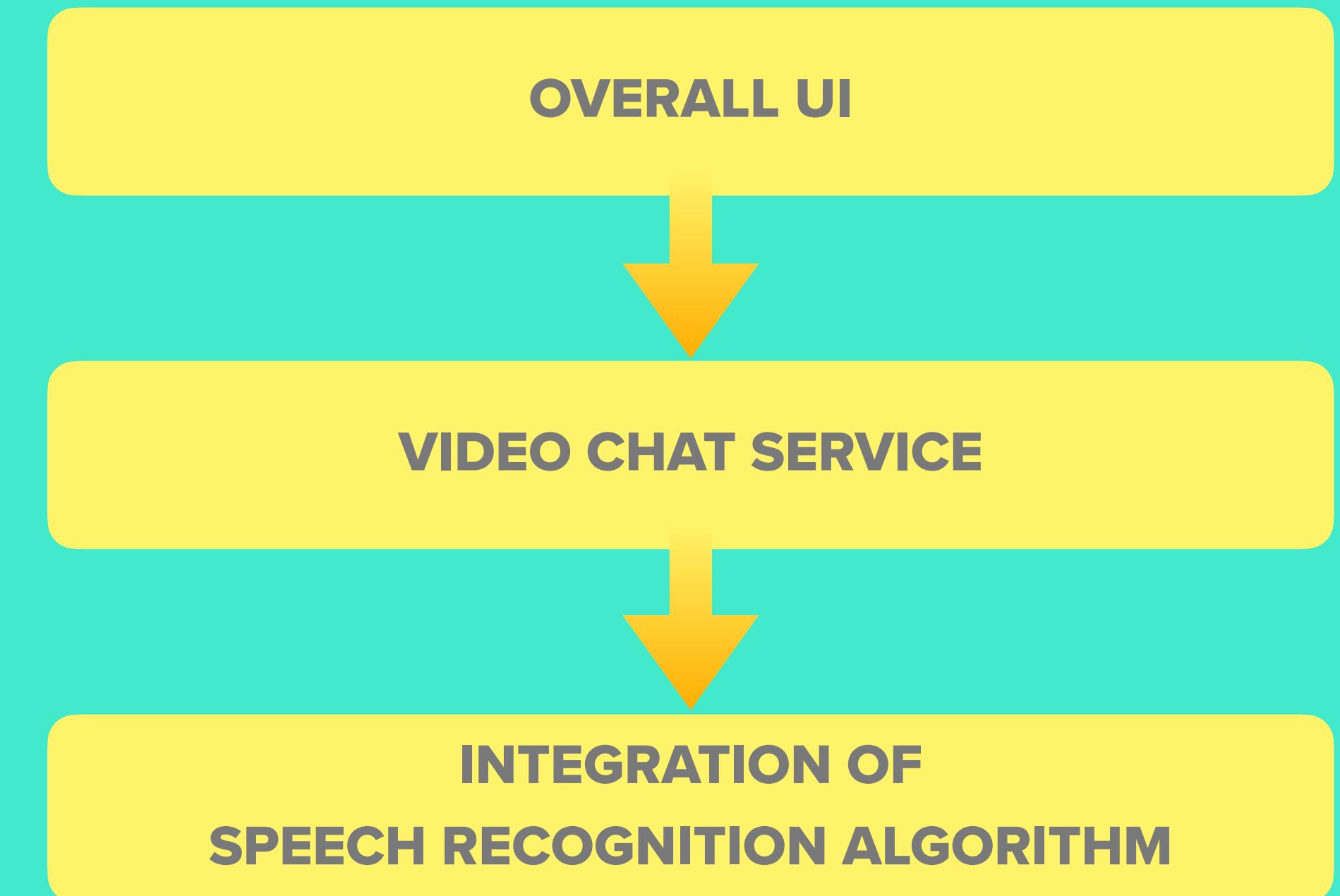
- Agile method will be utilized in the development
 - Working application with minimal functionality shortly after development begins
 - Each function added incrementally
 - Functions developed simultaneously

DEVELOPMENT PLAN

— Speech Recognition Algorithm



— Web-based platform

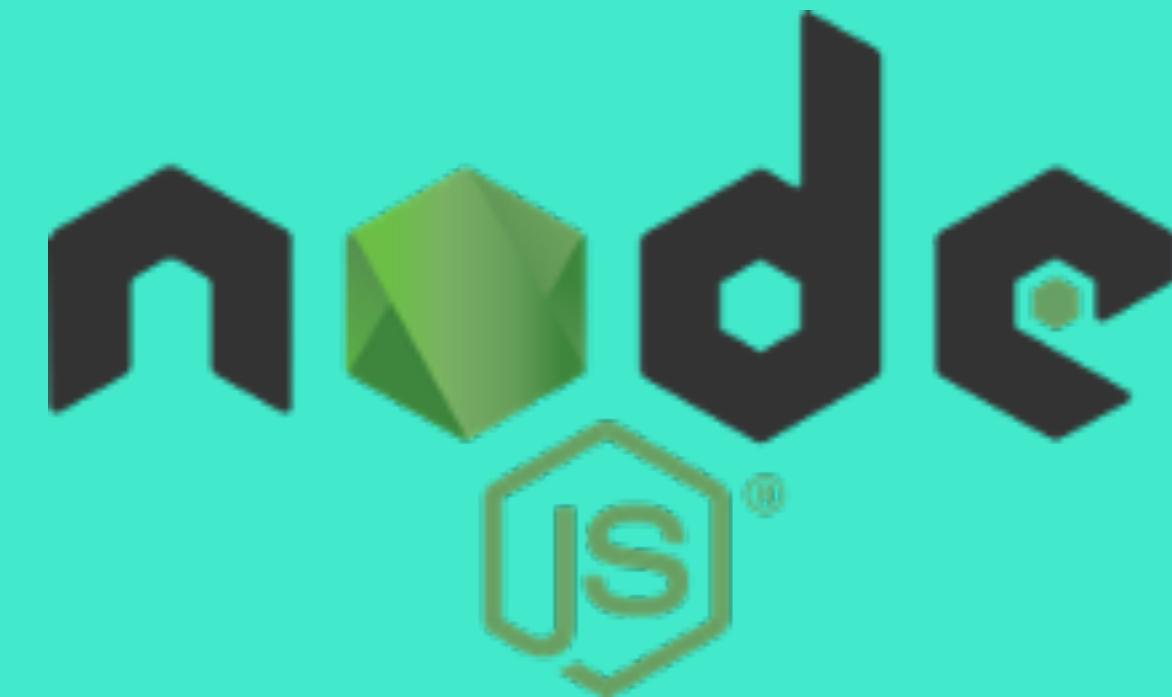


TOOLS FOR DEVELOPMENT

- Speech Recognition Algorithm



- Web-based platform



EXPECTATIONS / CHALLENGES

EXPECTED RESULTS

- 1. Easy to search**
 - 1. All dialog will be saved in texts, it will get easy to search based on keywords**
 - 2. Can watch a particular part of a video based on keyword search**
- 2. Less burden of stenography**

=> Do not need to write down whole conversations.
- 3. Can save all the conversation from any audio file or video file**

=> With any audio / video recorded, dialog can be saved afterwards.

CHALLENGES

1. Quality of speech recognition & noise cancelling

=> noise canceling is important not only in headphone but also in speech recognition. Unnecessary voice or noise should be screened properly.

THANK YOU