OMEDI
VOICE ASSISTANT

Intended use of the system

- Our purpose is for users to get things done faster and easier.
- The voice assistant, which we designed using morphological analysis, quickly performs the commands given by the user.
- Our voice assistant, which works only in the computer environment, can be used not only for surfing the internet but also for applications installed on the computer.

Main components of the system

- Voice interface:
- Speech-to-text:
- Natural language understanding: Pyaudio
- Dialogue management:. IBm watson
- Text-to-speech: TTS

Components we use for the voice assistant:

Pyaudio
IBM Watson
Speechrecognizin
TTS

User Stories

- Jacob's assistant is talking with a machine which can calculate price, takes order, and gives tax report.
- Wang's assistant is searching some books for Wang to help her about lessons. Also, it reads books and finds some recipes for delicious foods.
- Michaels's assistant can help him to order, can find his best TV shows with using big data algorithm in it.
- With updates, the admin optimizes the assistant with new applications.

Priority of stories

a)Analysis of sound=3
b)Converting the analyzed sound into words = 3
c)Converting words to commands = 1
d)search for desired words from the browser = 1
e)Reading results from browser = 5
f)Opening and closing desired applications for the device = 1
g)Writing with voice commands in compatible applications = 8

Sub stories

- Jacop: Closing the employee gap.
- Wang: Listening a literary work from an electronic teacher.
- Michael: Filling pyhsical deficiencies and finding literature for interests.
- Lily: Finding a friend to grow up with and who will always know everything.

Timeline

Start

22.12.2020/29.12.2020

Sprint 1
*Analysis of sound
*Converting the analyzed sound into words
*Converting words to commands

29.12.2020/05.01.2021

Sprint 2
*Search for desired words from the browser
*Reading results from browser
*Opening and closing desired applications for the device

05.01.2021/12.01.2021

Sprint 3
*Writing with voice commands in compatible applications

Presentation