AMICA

-The e-mail bot for visually impaired

"*Amica*" in latin means friend. Amica will help visually impaired to overcome their obstacles just like a friend.

Abstract:

Every project gets its recognition if it has a practical application. Automation gets more recognition once it gets the field where humans really need help. This project's main is aim to make the process of sending an e-mail for visually impaired easy. So this project is an e-mail bot for the visually impaired which works based on speech recognition.

Initially we had made it such that the username and password were taken as voice inputs but as it is difficult to match the accent and for the project to be more efficient the voice feature has been replaced with text based.

Firstly, it will ask the user id and password(works for rediffmail only) . So, you need to just type the user-id (you need to type without @rediffmail.com) and then it asks you for password and you need to enter the password.

However, the code consists of voice based accepting of username and password you just need to remove the comments for that feature to get activated.

Chrome opens automatically and directs to the Rediff page and types your username and password without the users interference. Later on it will ask to say "send" if you want to send a mail. Further it will ask voice based inputs of the body of the mail and sends your required mail automatically.

System Requirements:

- ➢ Python installed in your PC/Laptop
- ➢ Selenium installed in your PC/Laptop
- ➢ Google chrome web browser
- ➢ Rediffmail account

Work flow:

- Installing and getting familiarized with Selenium
- Literature survey on web drivers
- Path setting of chrome
- Learning about speech_recognition module
- Learning requirements of Pyaudio

Challenges faced:

- Initially we wanted to create it for a G-Mail account. But G-Mail account will not login when it is being run by an automated test script and hence we had to move to Rediffmail.
- Then we had web driver path issue which is fixed by installing the web driver driver manager while running the code .
- Further challenge faced was during speech recognition as its hard to match the correct accent.

Future scope:

- Sending attachements
- Reading last received mail

Team:

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