Voice Based E-mail System For Blind People

BATCH -12

Members-

Pradeep - 19z338

Sanjai - 19z344

Venkata Gowtham - 19z360

Chandraprakash - 20z461
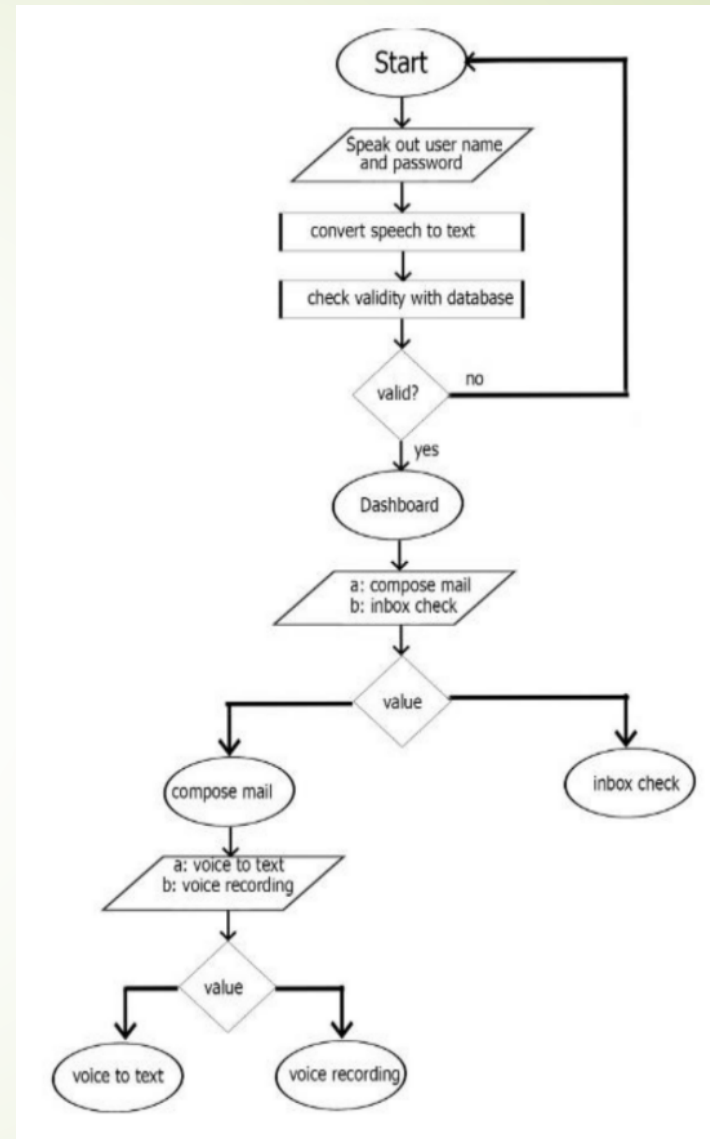
Mukesh – 20z462

Over View

- The main scope of the project is to enable blind user to access and work in existing e-mail system

- The idea for achieving the voice based e-mail system blind people is by providing the user interface which operate using voice command

- The operation and the navigation of the system is done through the voice command

- The e-mail is the most commonly used communication platform for official communication like work place communication

- That why we particularly design the system to operate on e-mail serveices

Block Diagram of the Project

Features

- Voice recognition
- Speech synthesis
- User interface using voice command
- Voice navigation system
- G-mail or E-mail accessing
- Mail sending facility
- Mail receiving facility
- Read out the received mail

Tools Used

- Front end:

  Visual studio

  Microsoft Visual Studio is an integrated development environment (IDE) from Microsoft. It is used to develop computer programs, as well as websites, web apps, web services and mobile apps. Visual Studio uses Microsoft software development platforms such as Windows API, Windows Forms, Windows Presentation Foundation, Windows Store and Microsoft Silverlight.

- Back end:

  MS SQL

  Microsoft SQL Server is a relational database management system developed by Microsoft. As a database server, it is a software product with the primary function of storing and retrieving data as requested by other software applications—which may run either on the same computer or on another computer across a network

Contribution & Challenges faced

Name &Roll No	Contribution	Challenges faced
sanjai (19z344)	Has taken care of receive page	Reading out the received mail content
pradeep (19z338)	Has taken care of send page	Problem in access the e-mail system due to security policy
venkata gowtham (19z360)	Has taken care of log-in page	Correctness of the user name &password using voice input
chandraprakash (20z461)	Has taken care of home page	Time delay in command analyzation
mukesh (20z462)	Has designed the system and work with other four batch members.	The voice recognition and Speech synthesis are not able the process the special character and the numerical numbers.

Reference

- https://www.researchgate.net/publication/304651244_VOICE_RECOGNITION_SYSTEM_SPEECH-TO-TEXT

- https://www.researchgate.net/publication/31940687A_Text_-_To_-_Speech_Synthesis_TTS

- https://www.researchgate.net/publication/326416931_Visual_CNET_Console_Applications_and_Windows_Forms

- Email system

- C-sharp

THANK YOU