Echo

Voice-Based Email For the Blind
Group - 09

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Abstract

Echo is a voice-based email application using Flutter, to improve email accessibility for visually impaired individuals. The app aims to address the need for more accessible communication technologies for the estimated 285 million people worldwide with visual impairments. The app will feature a simple and intuitive voice-based interface that allows users to perform basic email tasks using natural language commands. Core email functionalities, such as composing, reading, and replying to emails, will be implemented, along with additional features such as email filtering and sorting, voice-based reminders, and notification alerts. The app's natural language processing and speech-to-text technology will provide a seamless and accessible user experience. The integration with popular email providers and additional features will make it easier for visually impaired users to manage their emails independently, reducing social isolation and increasing employment opportunities. The agile methodology will be followed throughout the development process, with thorough testing to ensure that the app meets the desired specifications before deployment on appropriate platforms.