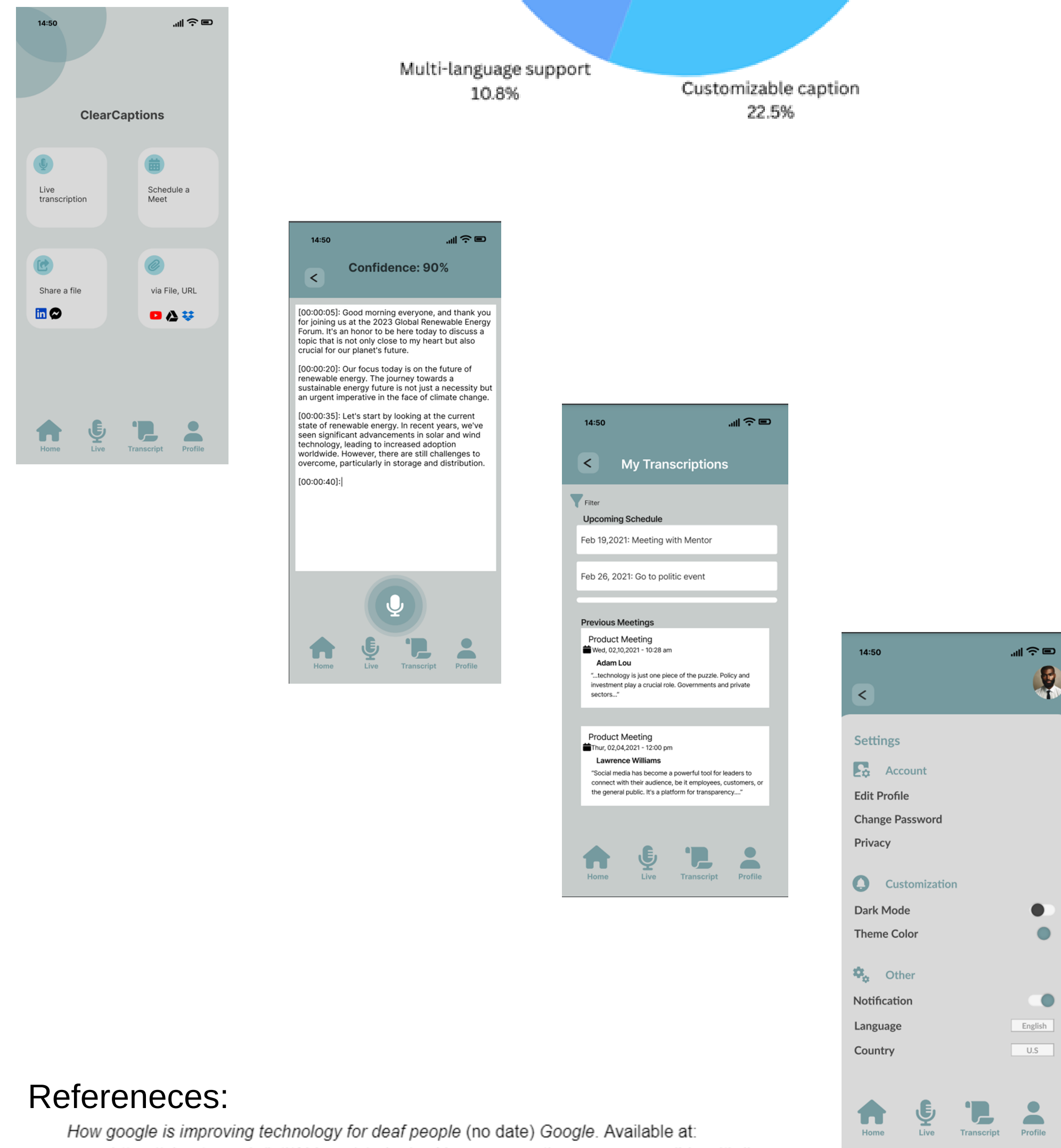
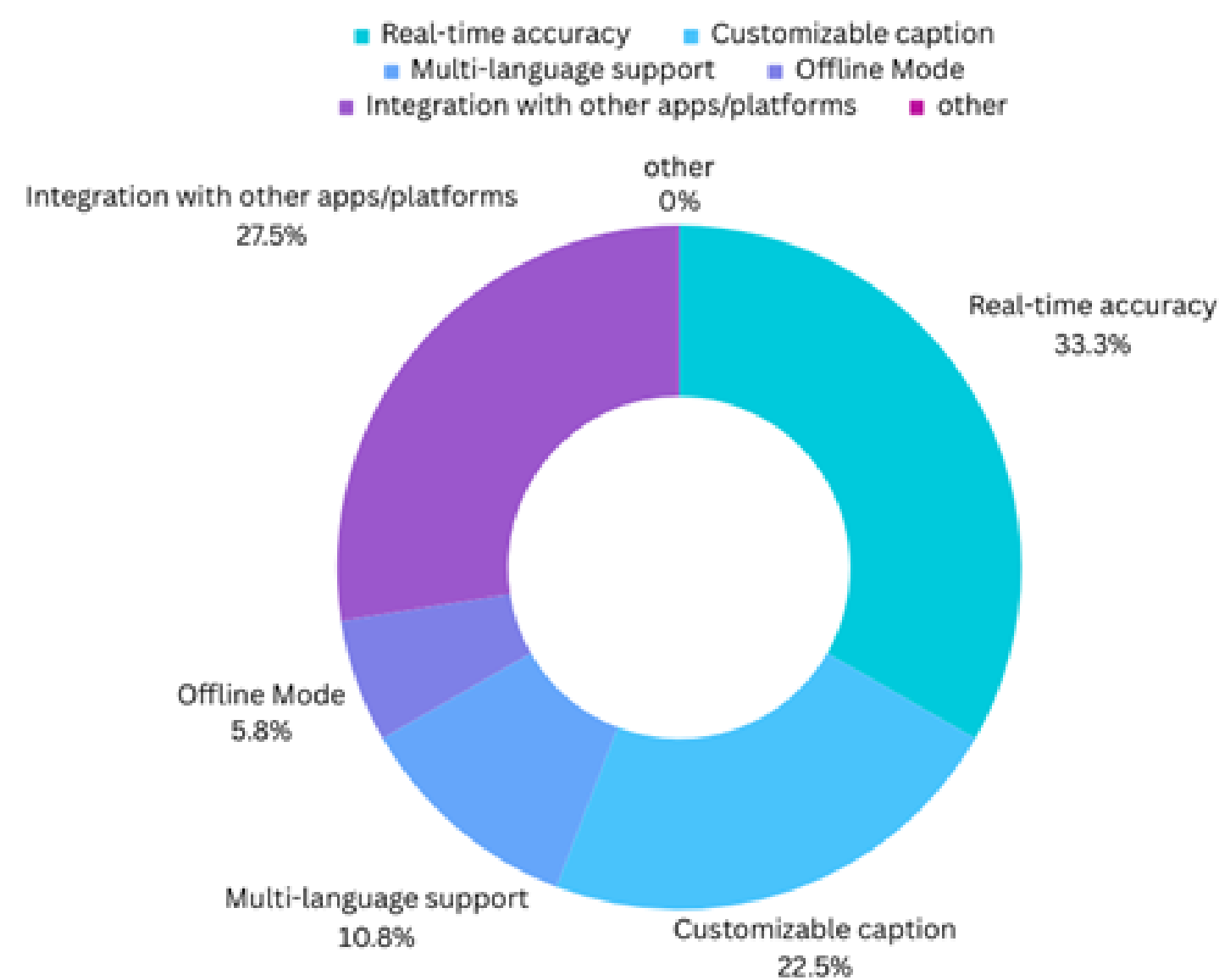


Essential Features in a Live Captioning App



Abstract

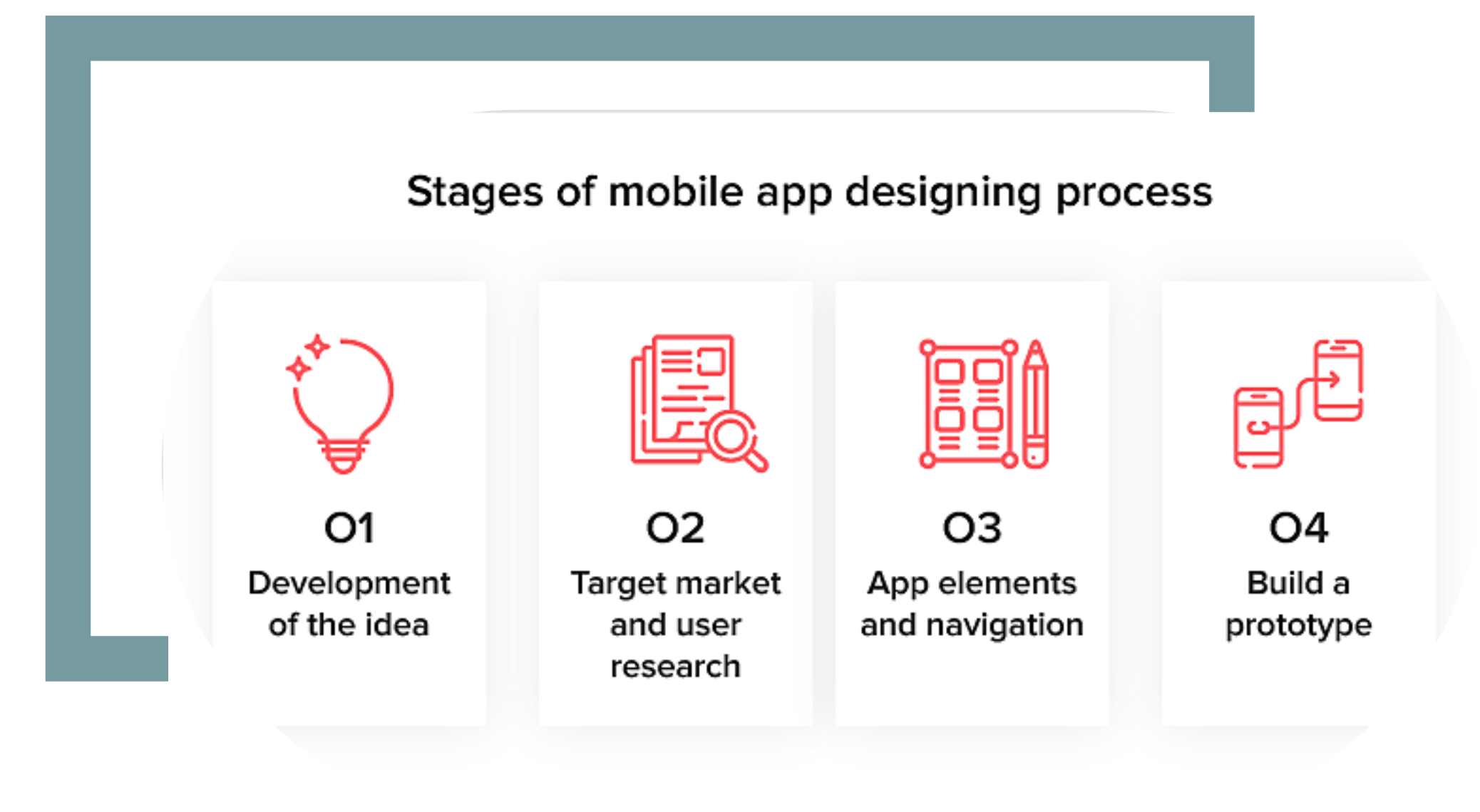
This project addresses the accessibility gap for the deaf and hard of hearing by introducing a Live Transcription App. The app provides real-time transcription, enhancing the communication experience. The poster outlines the app's design, development phases, and user feedback, highlighting its transformation impact. Join us in exploring the intersection of technology and inclusive, unlocking new possibilities for a more accessible future.

Methods

In this capstone project, I conducted a thorough literature review to understand the existing landscape of live transcribing solutions for the deaf and hard of hearing. Building upon previous research, I identified key areas for innovation to address limitations in current technologies. The app design and development phase incorporated these innovations, aiming to create a more effective and user-friendly solution. To gather user insights, a carefully crafted questionnaire was administered, seeking feedback on usability, features, and overall experience. The questionnaire was complemented by user testing sessions, allowing for direct observation of app interactions. Data analysis, including both quantitative and qualitative methods, guided iterative development to enhance the app based on user feedback. This methodology ensures a well-informed and user-centered approach to the creation of the live transcribing app.

- Individuals who are deaf or hard of hearing often encounter barriers in accessing spoken information, particularly in real-time situations. While various solutions, including captioning services and assistive devices, exist, there is room for improvement to enhance accessibility and provide more immediate support
- Existing solutions, while valuable, present limitations that necessitate a more nuanced and innovative approach. The motivation for this live captioning app arises from a deep-seated commitment to address these challenges comprehensively
- Inclusivity lies at the heart of the motivation behind developing a live captioning app. The fundamental belief that technology should be a force for positive change propels this project towards creating an inclusive digital environment. For individuals who are deaf or hard of hearing, the absence of real-time access to spoken information can lead to a sense of exclusion in various aspects of life, from educational settings to social interactions.

Design process



Impact and Benefits

How the App Improves Accessibility:

- The app serves as a transformation tool, significantly enhancing accessibility for the deaf and hard of hearing community. It achieves this through real-time communication and a focus on inclusive

Key Benefits:

- Real-time Communication: Users can engage in real-time communication, breaking down barriers to immediate access to spoken information.
- Inclusive: The app's design ensures inclusive, catering to users with diverse technological proficiency.

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