

# Creating an Inclusive Text-To-Speech App for Individuals with Blindness

(Application brief)

<https://github.com/Joseph-Sailor-Usher/HCI-Group-Project>

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Introduction:

Our group the incredible newts is developing an inclusive navigation chrome extension specifically designed for individuals living with blindness. The decision to create this application stems from the recognition of the unique challenges faced by those with blindness in their daily lives. We aim to address the difficulties related to mobility, communication, and information access, providing a solution that enhances the overall quality of life for individuals with blindness.

Rationale for the Application:

Living with blindness poses significant challenges, especially when it comes to navigating the physical environment and accessing information online. Our group chose to create this navigation app to empower blind users by offering a comprehensive solution that integrates accessibility features. The goal is to bridge the gap between the visually oriented world and the needs of individuals with blindness, promoting independence and inclusivity.

Accommodations for Accessibility:

To ensure our navigation app is accessible to individuals with blindness, we are implementing a screen reader compatibility chrome extension that will be designed to seamlessly integrate with all web pages to screen reader text on it allowing blind users to navigate through the interface and receive audible information about their surroundings.

Conclusion:

By prioritizing accessibility features, our group aims to create a navigation app that not only meets the unique needs of individuals with blindness but also contributes to a more inclusive and supportive society. Through thoughtful consideration of the challenges faced by the blind community, our app endeavors to empower users with the tools they need for independent and confident navigation in the world around them on the web.