

User Testing		
Project Name	VisuSpeak	
Testers	Saskatchewan Deaf and Hard of Hearing Services [SDHHS]	
Description	<p>In this document, the SDHHS team served as our user testers, conducting an extensive evaluation of Phase 1. Phase 1 encompassed the examination of the front-end UI user experience and an assessment of the accuracy of the AI Model in terms of predicting ASL words.</p> <p>It is noteworthy that SDHHS, as industry experts in American Sign Language (ASL), holds a pivotal role. Their dedicated unit operates with the mission to support the independence of Deaf, Deafened, and Hard of Hearing individuals by providing services that significantly enhance accessibility.</p>	
Test Cases		
Deliverable	Description	Feedback
Front-end Navigation	Navigating front-end UI and its usability	<p>SDHHS liked the ease of navigation on our VisuSpeak website. Everything is well structured and easy to follow.</p> <p>The colours and font sizes adhere the accessibility Standard and the text is easy to read in different lighting conditions.</p>
AI Model	A model featuring five core ASL words [Hello, Yes, No, Please , Thank you] was tested using webcam input along with the accuracy and effectiveness of the predictions	The five predicted words are highly accurate, and work well under different lighting scenarios as well. The motions are well recognized by the current AI model.

Overall Feedback by Testers	<ul style="list-style-type: none"> • The SDHHS team likes the UI and navigation on the front-end. • Facial expressions play a key role in ASL, and have asked team VisuSpeak to consider integrating in their current AI model. • ASL syntax is different from English syntax, so need to be careful. • ASL users use simplest form of language, so English language idioms are not applicable.
Developer Comments	<ul style="list-style-type: none"> • Team VisuSpeak will further expand the dataset to recognize more ASL words. • The Back-end developers will integrate the AI model and chat functionality as a single feature for better user experience. • Team VisuSpeak will add English to ASL Translations on the About Us page for ASL users to understand the project's vision and conceptual ideas.