UI/UX Design Document

Project: Sign Language Translator - SignSense

Team: Yoda
Date: January 23, 2024

User Research Insights:

- Users prefer yellow, silver and blue colours.
- Users need to access the features easily.
- Users desire to have a spacious interface.
- Users prefer to have a max no. of icons.

User Personas:

- Visually gifted Sarah seeks a voice in meetings, overcoming selective mutism.
- Tech-savvy David craves spoken participation to break his communication barrier.
- Restaurant manager Maria desires seamless interaction with staff and customers.
- Lively teacher Emma dreams of captivating her classroom without relying solely on written words, igniting imaginations with expressive visuals.
- Independent author Maya yearns to share her captivating stories directly with audiences, transcending the limitations of printed text.

Wireframes and Mockups (Created in Figma)
Link to Figma File:
https://www.figma.com/file/Ix8WHAEg8FiLnTjso5AGWY/Team-Yoda%3A-Nestria-Build-Hackathon?type=design&node-id=0-1&mode=design&t=d7VLWydQIz3ryFVp-0

Key Screens:

Homepage: Access powerful communication tools and bridge the gap between silence and expression. You can access different features from here

Login page: Unlock your personalized experience. Sign in or register to customize your communication journey.

Camera page: Speak your mind, visually. Use advanced NLP and computer vision to transform your gestures and expressions into spoken words.

Profile page: Craft your unique communication style. Choose gestures, customize settings, and build your vocabulary of visual expressions and see it in logs.

Settings page: Fine-tune your experience. Adjust preferences, manage privacy, and explore advanced features for optimal communication, visualization etc.

Learning page: Expand your visual vocabulary. Discover new gestures and their corresponding words, building fluency in your nonverbal language.

User Flow Maps

Key User Flows:

- Viewing Sentiment Analysis Results: User logs in, navigates to the Dashboard, and views sentiment analysis results for selected tweets or time periods.
- Filtering and Sorting Tweets: User filters tweets based on sentiment, keywords, or other criteria to focus on specific areas of interest.
- Exploring Sentiment Trends: User views sentiment trends over time to identify patterns and insights.

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Edit user details          Change                  Learn Signs for
and view sign              accessibility           selective
history, logout            settings                phrases
      ↑                        ↑                        ↑
   [Profile]              [Settings]             [Start Learning]
      ↑                        ↑                        ↑
      └────────────────[Sign Up/ Login]───────────────┘
                               │
[Start] → [User installs → ───┤                              → [Capture Signs] → [Input: Sign language → [Output : Translated
          SignSense]           │                                                  caputred in video]      sign language from
                        [Continue as                                                                      the video]
                          Guest]
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