



# MediSign

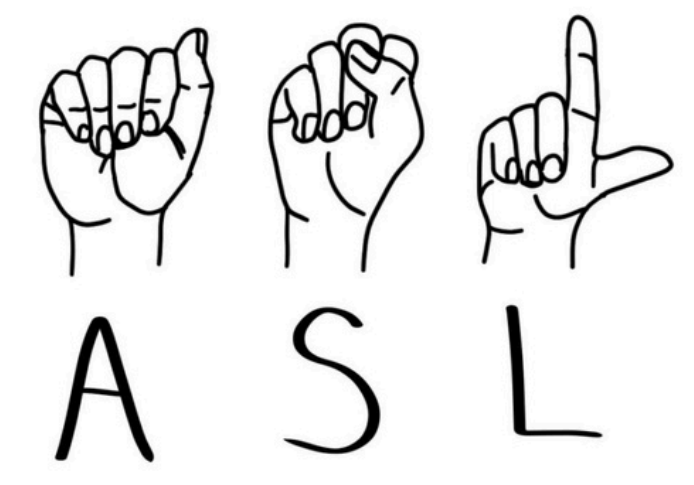
# PAJamas

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## Motivation

The hearing community has difficulty communicating with people in the hard-of-hearing community, especially in the medical field.



## Potential Users

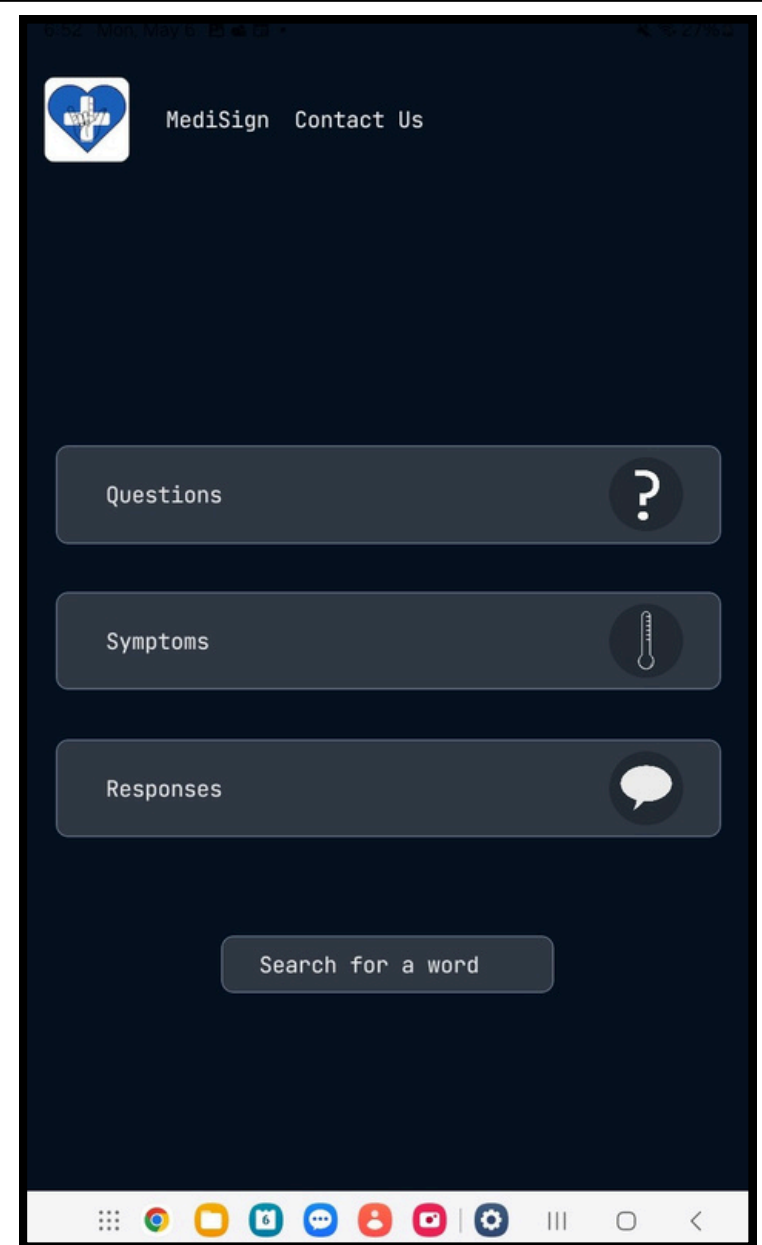
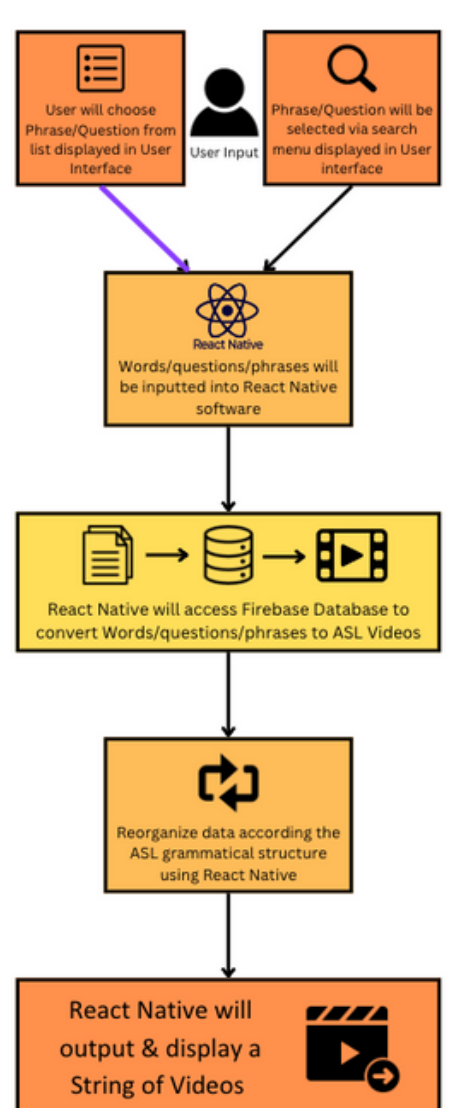


Potential users of this app are general care doctors and deaf patients, with a primary focus on facilitating communication between them.

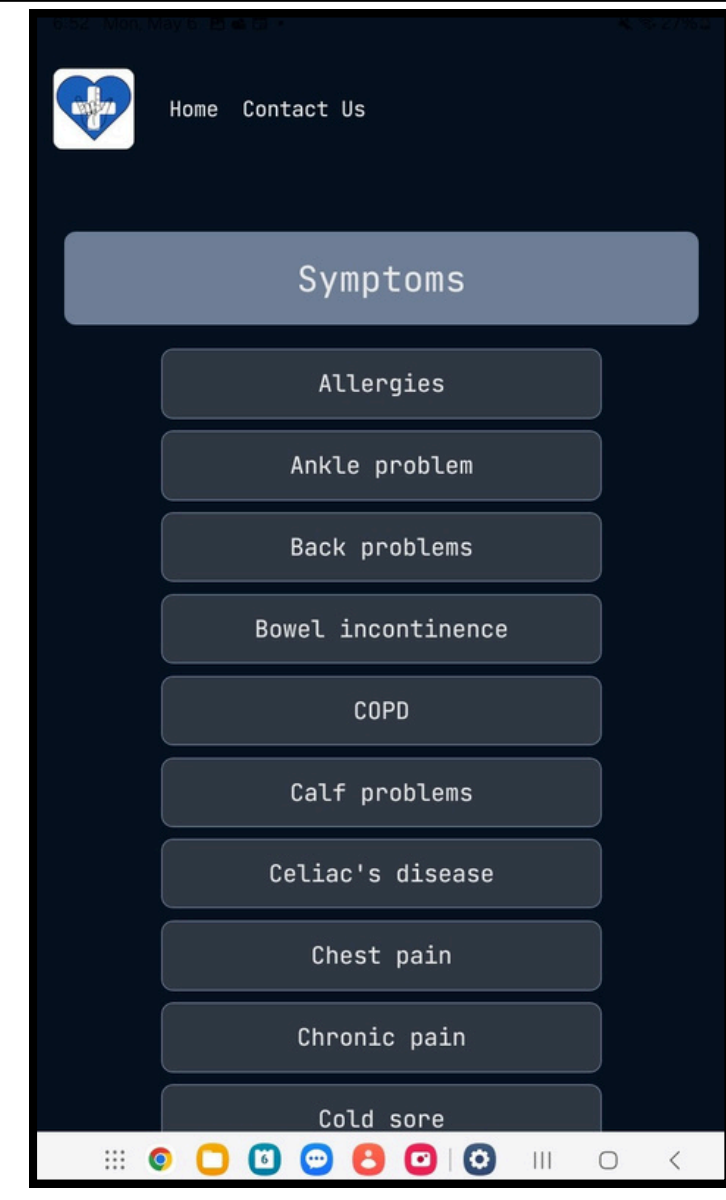
## Description

This app makes use of three main features:

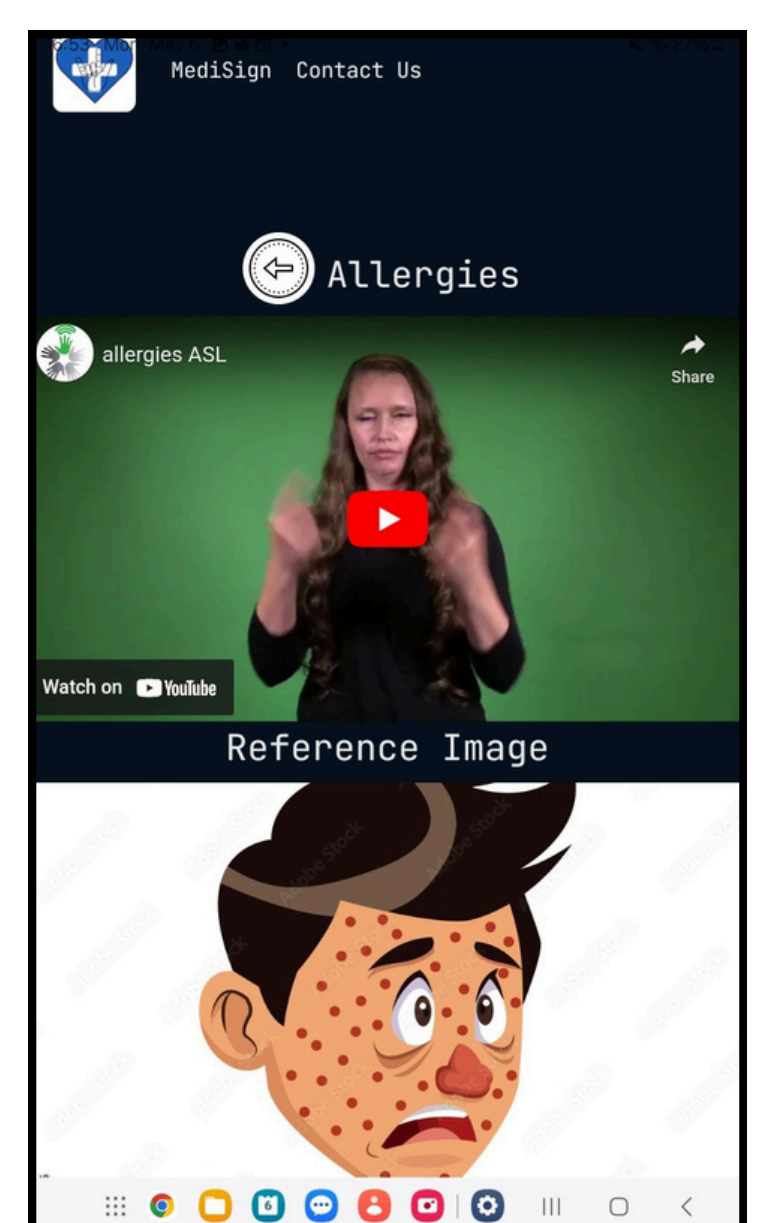
- Displaying lists of common pharmacological questions, symptoms, and responses
- Retrieving the corresponding ASL signals
- Displaying the signals through a sequence of videos



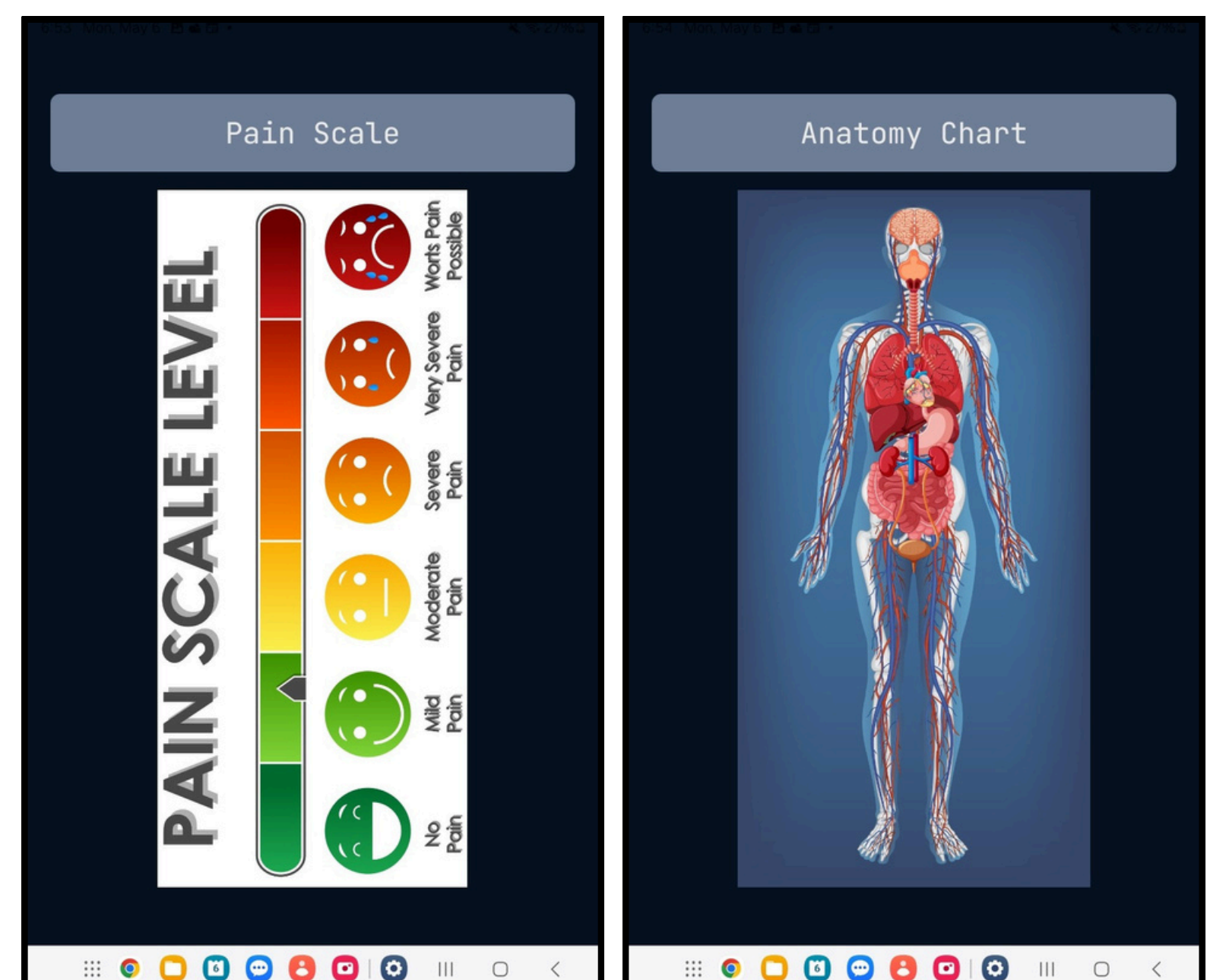
1. Users are first met with a home screen, featuring an information panel, a contact link, an array of categories of interpreted words/phrases, and a search function.



2. Upon clicking on a category, users are taken to a scrollable list of common words/phrases to choose a translation. Alternatively, users can search for a word, which will pop up with a similar list of matching words and phrases.



3. After clicking on a word/phrase, a screen will display a video/string of videos with the word/phrase's corresponding ASL translation. Below the video(s), a reference image is displayed.

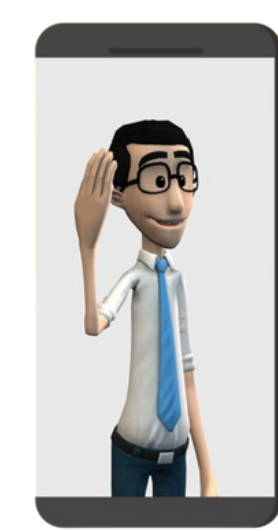


4. Additionally, users can select the "Body Diagram" and "Pain Scale" features to open common medical-related images to further aid communication

## Competitors

### Interpreters

- Pros:
- Enables complex conversations
- Cons:
- Some conversations are too sensitive for a third party to overhear
  - Inaccurate interpretations



- ### Hand Talk
- Pros:
- 3D model for 360° sign display
  - Instant interpretation of full sentences
- Cons:
- Beta version
  - Frequent ads
  - Direct Translations are unreliable

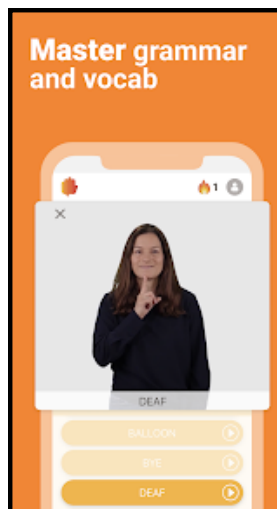
### Dictionaries

- Pros:
- Instant, Accurate, and Extensive Translations word-by-word
- Cons:
- Difficult to translate many words in a row
  - Grammar and clarity mistakes Common

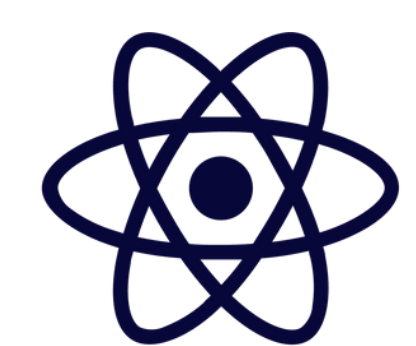


### Learning Apps

- Pros:
- Teaches ASL so that people can communicate without an interpreter
- Cons:
- Demands significant time to learn ASL



## Software



React Native

React Native

Firestore



Youtube Videos

## Future Steps

- Extending dictionary
- Expanding app features to include high level and simplified ASL