Health Care Translation Web App Prototype

User Guide

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Overview:

This app allows users to:

- Input text and translate it between multiple languages.

- Use speech-to-text for input and text-to-speech for the translated output.

- Access translations specifically tailored for medical terminology.

Features:

1. **Text Translation:**

   o Select the **Source Language** and **Target Language** from drop-down menus.

   o Enter text in the input box and click **Translate**.

   o The translated text will appear below.

2. **Speech-to-Text:**

   o Click the **Start Recording** button to speak your input.

   o The app will transcribe your speech in real-time and display it in the input box.

   o Translation happens automatically for the final transcript.

3. **Text-to-Speech:**

   o After translation, click the **Speak Translation** button to hear the translated text spoken aloud.

4. **Error Handling:**

   o If an error occurs (e.g., network issues), a message will appear at the top of the page.

3. How to Use

➢ **Getting Started**:

- o Open the app in your browser.

- o Ensure your microphone is enabled for speech-related features.

➢ **Translation**:

- o Choose the source and target languages.

- o Enter text or speak into the microphone.

- o Wait for the translation to appear.

➢ **Listening to the Translation**:

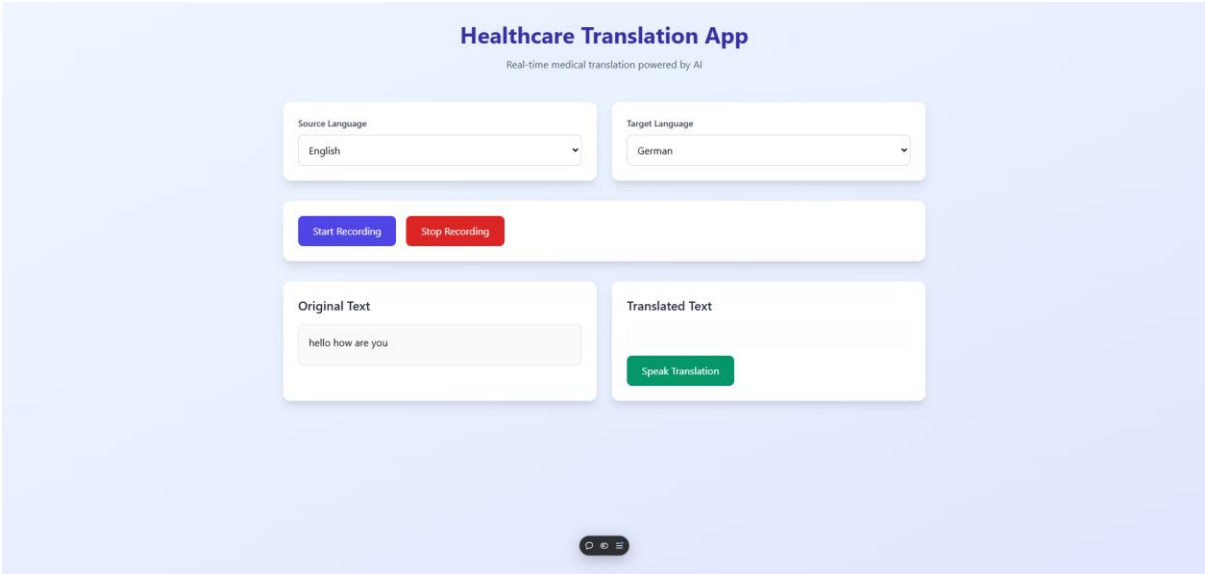- o Click the **Speak Translation** button.

➢ **Clearing Errors**:

- o If an error message appears, it will disappear automatically in 5 seconds, or you can retry the action.

4. Prerequisites

- A modern browser (e.g., Chrome) that supports webkitSpeechRecognition and SpeechSynthesis.

- API keys for OpenAI and a configured .env file.

5. Prototype

WebView:

Mobile View: