**Code Documentation**

A web app to translate speech in real time using the Whisper API for transcribing and translating recorded audio, and Google Text-to-Speech (gTTS) to play out the translation.

**Features**

* Transcribe speech from microphone or audio file
* Multilingual transcription and translation
* Display translation results on screen as text
* Translation synthesized as speech by Google text-to-speech module (gTTS).
* Documentation

Comprehensive documentation is available in the docs directory:

User Guide: /docs/Code Documentation - Health App.pdf

**Demo**

You can try out the app here: https://streamlit.app/

Alternatively, you can run the app locally by following the installation instructions below

**Installation**

* To run the app locally, you need to have Python 3.7+ and pip installed.
* Navigate to the project directory: cd Translation-App-with-Gen-AI
* Install the required packages: pip install -r requirements.txt
* Run the app: streamlit run app.py
* Open your browser and go to http://localhost:8501

**Usage**

To use the app, follow these steps:

* Click on the microphone and record audio while it's red.
* If audio is not showing after recording click “rerun app” button at the top of the app.manipulate a word into concise and easy words

Here's a concise explanation of the Healthcare Translation Web App, manipulating the wording for easier understanding:

**What it does:**

* Translates spoken words in real-time, helping with healthcare communication.
* Works like this:
  1. You speak into your microphone or upload an audio file.
  2. The app understands what you say using Whisper (think of it as a super listener).
  3. It then translates your words to another language (multilingual support!).
  4. You can see the translation on screen as text.
  5. To hear the translation spoken aloud, the app uses Google's Text-to-Speech magic.

**How to use it:**

1. Open the app (link provided or run it locally following the instructions).
2. Click the microphone and speak clearly while it's red.
3. The app will translate your words and show you the text.
4. It can also speak the translation out loud for you.

**Bonus:**

* Detailed instructions and explanations are available in the "docs" folder (User Guide and Developer Documentation).

**Note:**If the audio recording doesn't show up after speaking, try clicking the "rerun app" button.