

Real-Time Speech Translation App: Clarity

Anthony Smaldore '25, Tadija Ciric '25, Yusuke Abe '25 Faculty Advisor: Prof. Kenneth A. Kousen Department of Computer Science, Trinity College, Hartford, CT

Description

Inspired by the Entrepreneurship Center, Clarity is an iOS application that enables real-time speech transcription, translation, and text-tospeech playback.

Significance



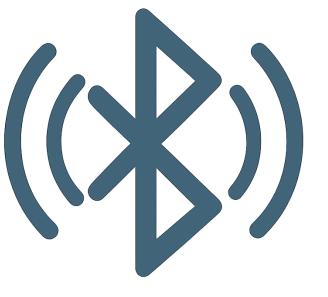
Transcription



Real-Time **Translation**



Text-to-Speech



Bluetooth Connectivity

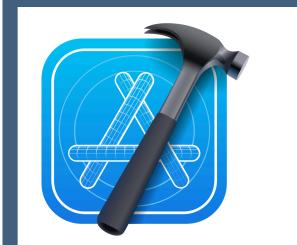


Available Offline

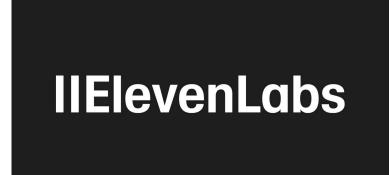


Voice Clone Capability

Technology Stack









Acknowledgement

The project was supported by:

- . Professor Kenneth A. Kousen
- 2. The Center of Entrepreneurship

Why Clarity?

TO BE

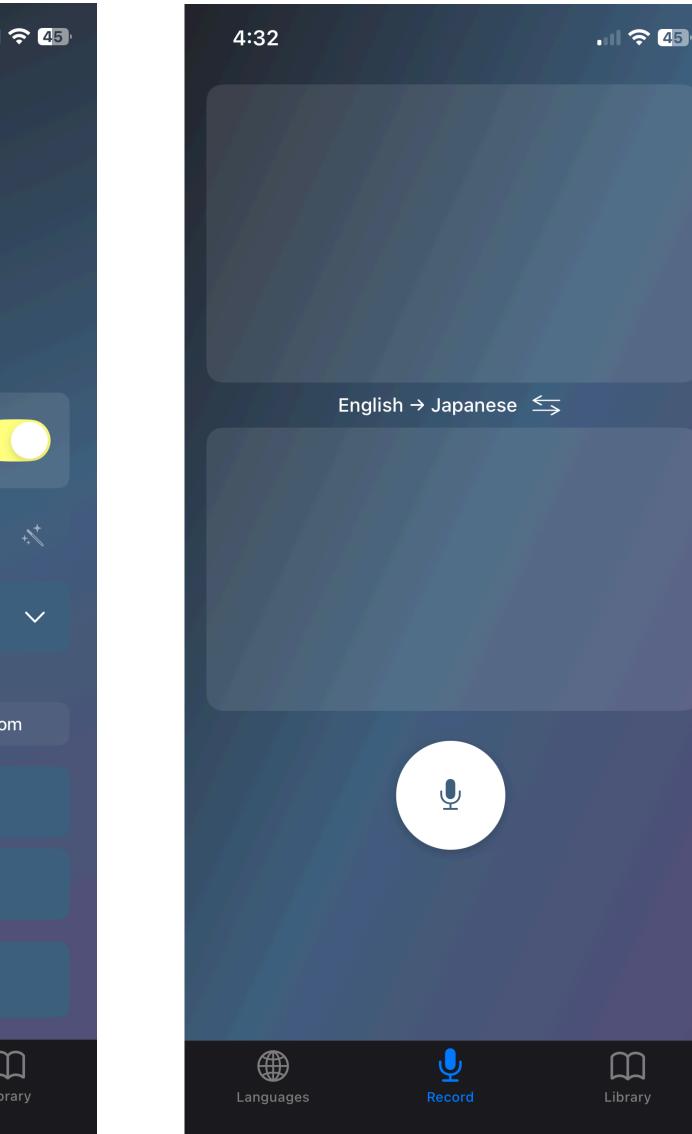
HEARD, UNDERSTOOD, REMEMBERED

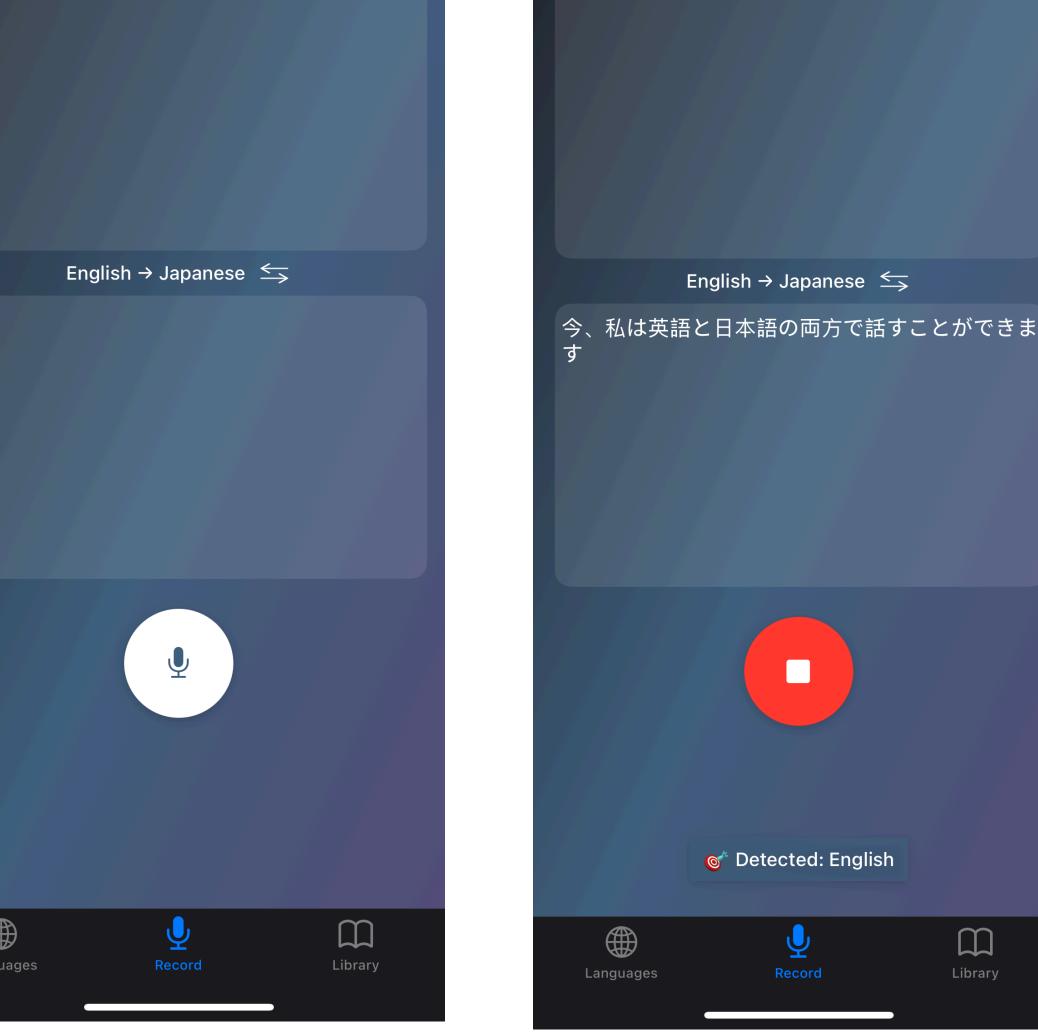
Now I can speak in both English and Japanese

.11 🗢 45

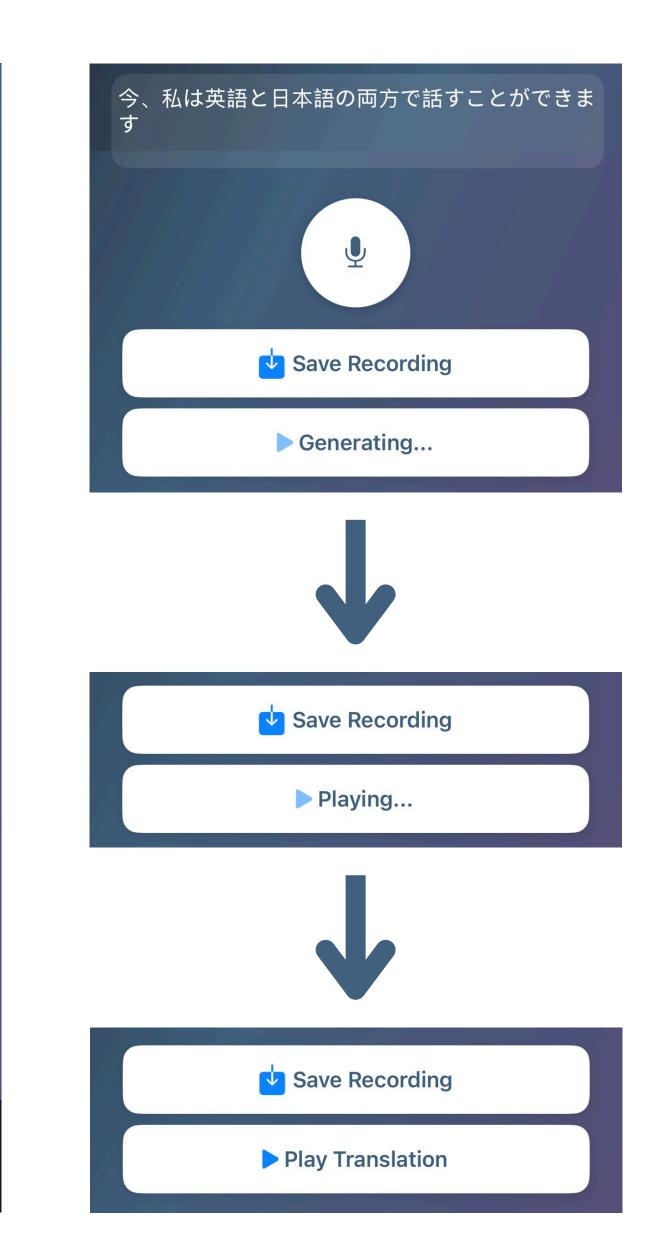


Language Selection

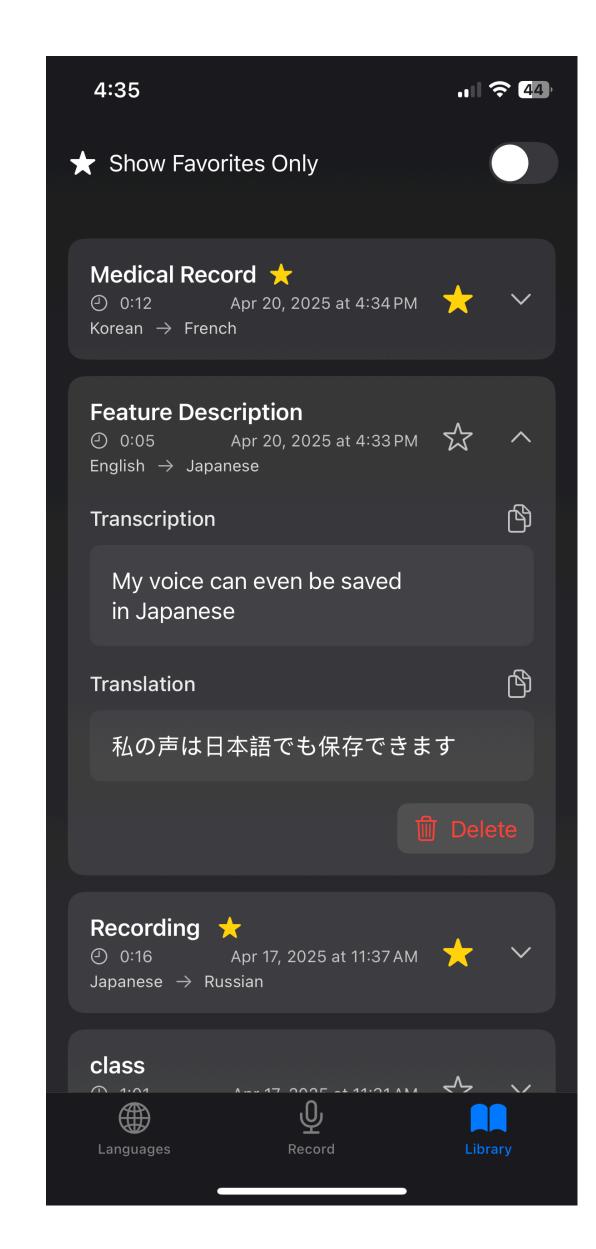








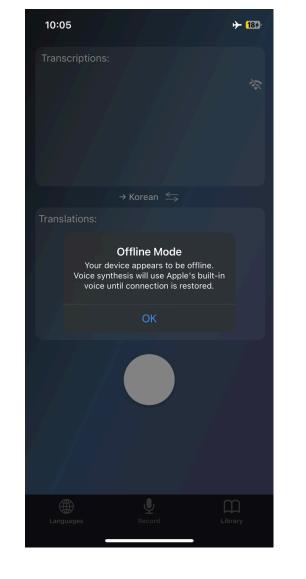






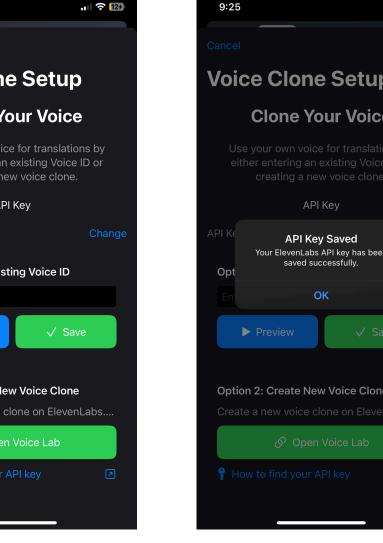


Offline Mode

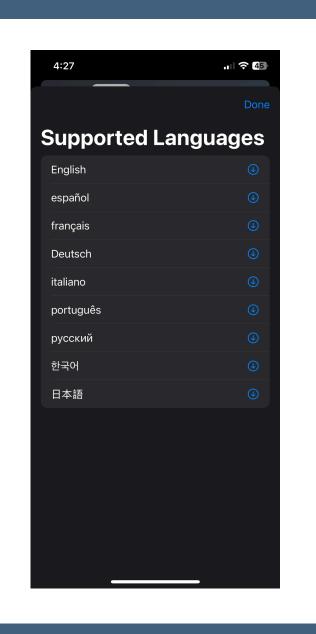


Voice Clone

Pre-Recording



Supported Languages



"Favorites" Filter

