Voice Memo Converter
ECE 153B Project Proposal
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Overview
We propose to make a memo converter which allows users to record 5 seconds voice message and then converts it into written language on the screen. The users will be able to replay the recorded message and check it on the screen.

Peripherals
- Microphone
- Button
- LED
- UART
- Timer / RTC

Software Design
The program will start recording after the users push the button. Meanwhile, the RTC will count 5 times (1-second increment). The LED will blink when the record ends.

Goals
- Enable to record the voice message.
- Enable RTC to count to 5.
- Enable LED to blink when RTC equals 5.
- Enable to convert the voice data.
- Enable to display the voice message on the screen.
- Enable to replay the voice message.

Group Responsibilities
- Yini is responsible for handling the voice data and convert them into written language and displayed on the screen.
- Du Ning is responsible for RTC and LED part.
- Alexis Yang is responsible for recording the voice message (data).