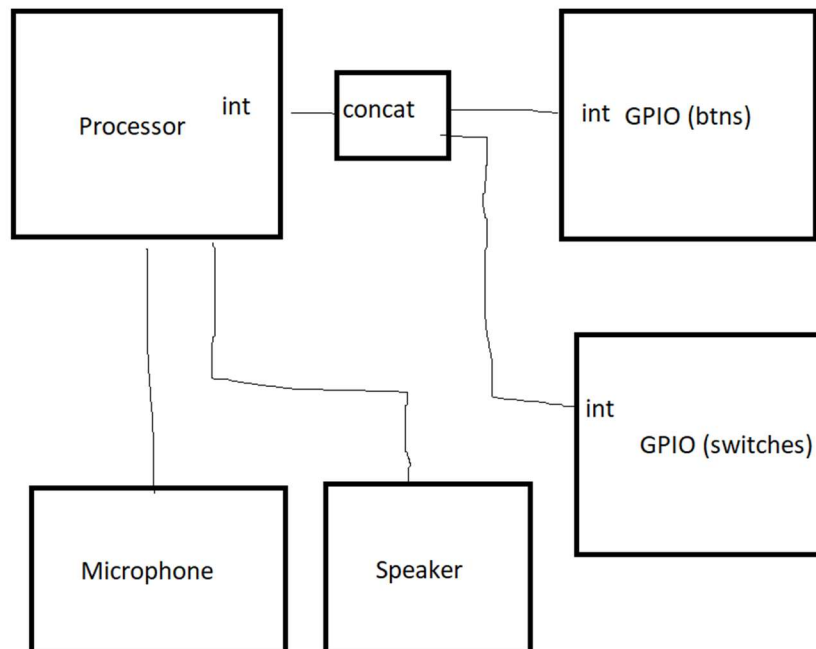- General Description - Audio recording and playback device
- System Requirements
  - Non-functional
    - Performance – Able to record and play back up to 4 audio sources at once
    - Size – Small handheld
    - Weight – less than 2 lbs
    - Power – 5V/500 mA – Battery or USB powered
  - Functional
    - Stores up to four audio files at once
    - Flipping a switch overwrites the corresponding file and begins recording a new one from the external microphone until the switch is turned off.
    - Hitting a button plays the corresponding audio file, assuming it is not being actively recorded. Audio files can be played on top of one another (think beats for music)
- Performance Expectation
  - Constrained metric – no perceivable delay on switch/button presses
  - Optimization metric – none
- Block Diagram

- PMODs
  - Not sure if there are any PMODs, per se, but will need a microphone and a speaker