**Austin: Timer Alarm**

Sensor: LCD, LED, buttons, Buzzer

Functions:

1. Beginning of the program, the LCD will show a prompt to setup a countdown time, which is adjustable by two buttons, one for increase and one for decrease. Press both buttons together to confirm.
2. The second step is to countdown the time set in the previous step, the countdown is displayed in the LCD as well as current time. During the count down, a Yellow LED is flashing once per second.
3. When the time is up, the red LED and the yellow LED start flashing rapidly and alternately. Meanwhile the buzzer is on. All this can be stopped by pressing a button.
4. The left button is for snooze and right button is for stop. When snooze is pressed, the alarm will turn on 10 seconds later, when stop is pressed, the alarm will turn off permanently.
5. Button callback function is necessary for this project.