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Subject: Progress report memo for CSE 321 Project 2
Date: 2021/10/15

PURPOSE:
Update on progress made towards completion of CSE321 Project 2. A summary of the project goal, current developments, as well as next steps are listed below.

SUMMARY:
This project consists of creating a bare-metal and user-programmable count-down alarm system. There is functionality for the user to input the time duration of the timer as well as starting and stopping the timer. The time remaining on the timer and the completion of the timer is communicated to the user via an LCD screen and LEDs.

UPDATE ON PROGRESS:
The planning phase has been completed and work on implementation has begun. Currently, the program is designed to print a message of the key that was pressed to the console and light and LED corresponding to the row of the key. The inputs from the matrix keypad go into the Nucleo pins PB6 to PB9 and the outputs to LED go to pins PC6 to PC9.

CONCERNS:
Verify code for matrix keypad interrupt functions correctly, find and fix any bugs.
Determine pins that will be used for LCD.

RECOMMENDATION:
Assure all bounce is accounted for.
Configure LCD screen and interaction with matrix keypad.