

**TO:** Dr. Winikus

**FROM:** *Skylar Kantor*

**Subject:** *Midpoint update, Timer project*

**Date:** 10/15/2021

**PURPOSE:** This is the midpoint of the project, and an update is required to get a sense of progress before the final deadline

**SUMMARY:**

*The timer project is an LCD timer that can count down from any time less than or equal to 9 minutes and 59 seconds, depending on the value a user enters on a keypad.*

**UPDATE ON PROGRESS:**

*The screen has been connected to the Nucleo, as have 3 LEDs, which will be used in the keypress handlers. The handlers have not been entirely completed, but the initialization has, and the interrupt handlers all have some functionality.*

**CONCERNS:**

*With the number of connections to the Nucleo, debugging may be somewhat difficult when more code is written.*

**RECOMMENDATION:**

*as the interrupt handlers are completed and the keypad functionality is tested, ensure all of the jumper connections are well organized.*