Tuesday, October 7, 2025   10:08 PM

REQUIREMENTS

Implement the traffic lights for an AOCL level crossing. Use the red LED and the multi-colour LED to show a yellow light and then two flashing red lights.

- The sequence should trigger when switch P1.3 is pressed, and continue for as long as the switch is depressed
- A yellow light should show for 3 seconds from the time the switch is depressed
- Two red LEDs should then flash at a rate of 80 flashes/minute
- Include a design in your log book (design pages from log book should be uploaded by end of week 2)
- Demonstration should take place in the lab in Week 3

INITIAL THOUGHTS

USER GUIDE + DATABASE FOR INITIATING CORRECT PINS, WHERE ACLK IS ETC SIMILAR TO EE318

USING BUTTONS SO WILL NEED TO DEBOUNCE (FROM 318)

ISR'S TO MONITOR STATE OF MSP

EDGE DETECTOR FOR WHEN SWITCH IS DEPRESSED

80 FLASHES PER MINUTE

SET PIN CONNECTORS UP FOR P 2.1 (Y) P 2.3 (R)