

Initialization:

- Set TRISA = 0x00 (Output)
- Set ANSELA = 0x00 (Digital)
- Set LATA = 0x80 (RA7 is on)
- Set ANSELB = 0x00 (Digital)
- Set TRISB = 0x20 (RA5 is input)

In UserAppRun

- Set Counter to 0x00
- Set Previous to 0x00
- Set Current to PORTB
- Check if Current == 20 & Previous == 0

Yes

No

Set Previous to Current

Add 1 to Counter

Counter & 3f (to reset counter if it goes
above max value (0011 1111))

Add Counter to LATA

Do not do anything

