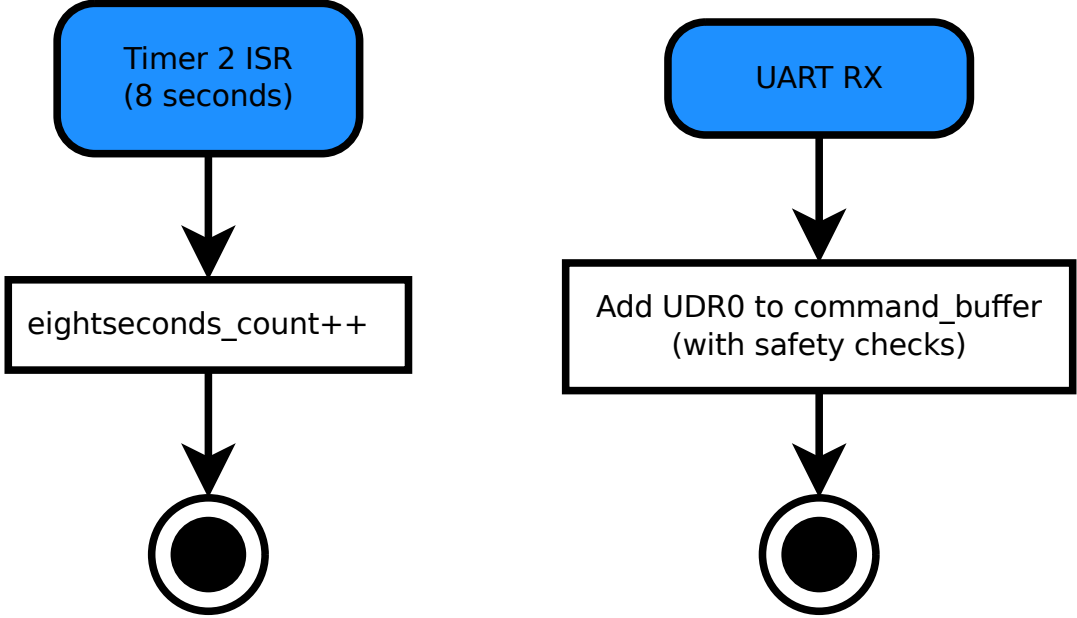


Global variables:
eightseconds_count
uart_listening

What happens if timer 2 interrupt happens elsewhere?

Actually the logger doesn't begin logging after power-up. It waits for logging setup via UART before doing anything. Inserting the battery doesn't start logging.

Interrupt routines



Functions

Do Log

Enable TWI
Measure temperature
Disable TWI

Enable SPI
Save temperature
Disable SPI

eightseconds_count = 0

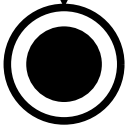
Init system

Disable all modules
Set all pins to input
Enable all pull-ups
Initialize LED
Start Timer 2 (RTC)
Put temp sensor to sleep
Put memory to sleep

UART Exchange

Clear command buffer
Enable uart
Enable uart interrupt
Send "listening" code over uart
_delay_ms(1000) (reduce to 10)
Disable uart
Disable uart interrupt
Analyze command
Respond

D: Dump Data
B: Begin logging
E: End logging
S: Get serial n.



If fresh logging config is received, don't forget to restart Timer/Counter 2