5-1 Milestone Three Submission

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1. What is the purpose of the timerCallback() function? The purpose of the timerCallback() function is to call back timerMode which is set as Timer\_CONTINOUS\_CALLBACK.
2. What does period mean in this context? params.period = 1000000; in this context sets how often the timer triggers its callback function. Params.periodUnits = Timer\_PERIOD\_US; sets period to microseconds, so 1000000 microseconds is 1 second, meaning the timer triggers its callback function every second.
3. How does the Timer\_CONTINUOUS\_CALLBACK parameter impact the driver? Timer\_CONTINOUS\_CALLBACK impacts the Timer driver by continuously executing until the timer is interrupted and will restart the timer until Timer\_stop() is called.
4. What is gpioButtonFxn0() used for? The gpioButtonFxn0() callback function is used for the GPIO interrupt on CONFIG\_GPIO\_BUTTON\_0.
5. What is the purpose of GPIO\_CFG\_IN\_INT\_FALLING? Interrupts on falling edge of the signal.