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CS-350

**5-1 Milestone Three Submission**

**What is the purpose of the timerCallback() function?**

The purpose of the timerCallback function is to callback the timer at a specific interval or at a given time depending on if the callback is set to Timer\_ONESHOT\_CALLBACK or Timer\_CONTINUOUS\_CALLBACK.

**What does period mean in this context?**

In this context, period means the length of time between each callback.

**How does the Timer\_CONTINUOUS\_CALLBACK parameter impact the driver?**

The Timer\_CONTINUOUS\_CALLBACK parameter indicates how the timer driver will behave. For the continuous callback, after the timer is started, the calling thread will continue the execution until the interrupt is triggered. When the interrupt is triggered the specified callback function will be called and then the timer will be automatically restarted and will continue to periodically generate interrupts until the timer is stopped.

**What is gpioButtonFxn0() used for?**

gpioButtonFxn0 is used as the callback function for the GPIO interrupt on CONFIG\_GPIO\_BUTTON\_0.

**What is the purpose of GPIO\_CFG\_IN\_INT\_FALLING?**

GPIO\_CFG\_IN\_INT\_FALLING is used to hide the initializer interrupts on the falling edge.