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CS-350-R3340 Emerging Sys Arch and Tech 24EW3

5-1 Milestone 3 Questions

February 8, 2024

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

The purpose of the timerCallback() function is to work with actions involving the timer. When working with a timer, these would include actions that the developer would want to happen at a predetermined interval. This predetermined interval is set by the timer.

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

In this context, a timer on an embedded system, the period would refer to the delay between the timer callback being used.

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

The Timer\_CONTINUOUS\_CALLBACK parameter impacts the driver by causing the timer to loop forever as opposed to just one instance.

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

The gpioButtonFxn0() is used to toggle the LED\_0 on and off.

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

The GPIO\_CFG\_IN\_INT\_FALLING sets the button to interrupt on falling edge.

I have included screenshots of my code below: Much like in milestone two, I am unsure as to what the error is with my code.

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