Joseph Silva Jr.

07/31/21

CS 350 – Milestone 3

SNHU

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

“The method that is called by a Timer. This method does not execute in the thread that created the timer; it executes in a separate thread pool thread that is provided by the system”. (1)

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

The amount of time to wait between subsequent executions.

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

Is a non-blocking call. After Timer\_start() is called, the calling thread will continue

execution. When the timer interrupt is triggered, the specified callback function will be called. The timer is automatically restarted and will continue to periodically generate interrupts until Timer\_stop() is called. Please see timer.h file for further information.

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

Callback function for the GPIO interrupt on CONFIG\_GPIO\_BUTTON\_0. Please see commets in gpiointerrupt.c file for further information.

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

Interrupt on falling edge. Please see GPIO.h file for further information.

**CITATION:**

1. Dotnet-Bot. (n.d.). *TimerCallback delegate (System.Threading)*. (System.Threading) | Microsoft Docs. https://docs.microsoft.com/en-us/dotnet/api/system.threading.timercallback?view=net-5.0.