Michael Gontarek

CS 350 Emerging Sys Arch & Tech

Southern New Hampshire University

October 4, 2022

Milestone Three answers

What is the purpose of the timerCallback() function?

Checks the status of the timer in each period.

What does period mean in this context?

The amount of time between executions

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 will not generate another interrupt unless Timer\_start() is called again. Calling Timer\_stop() or Timer\_close() after Timer\_start() but, before the timer interrupt, will prevent the specified callback from ever being invoked.

What is gpioButtonFxn0() used for?

Callback function ofr interputs on CONFIG\_GPIO\_BUTTON\_0.

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

Configures buttons for interrupts on falling edge