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Emerging Sys Architecture

Lab 5-1

What is the purpose of the timerCallback() function?

* It is used to define a task or set of actions to be executed, and this can be done periodically or after some time set with a delay. Once the timeout period has been reached, this timerCallback() function is called.

What does period mean in this context?

* This means the time in between triggers of the timer.

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

* This tells the timer driver to continuously call the timerCallback() function set by its period. This is what keeps the timer running instead of stopping after an execution of code.

What is gpioButtonFxn0() used for?

* This is going to be the interrupt handler for a button. It gets activated when the button gets pushed or released.

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

* This is used to modify a GPIO pin to make an interruption when the signal is going from high to low which is where it gets its falling from.