

5-1 Milestone Three

- What is the purpose of the `timerCallback()` function?

The `timerCallback()` function is called everytime that a timer expires, which is set to occur at different times. In the code that I created, it handles the `processMorseCode()` function that handles the logic for the blinking LEDs according to the morse code messages.

- What does period mean in this context?

In the context provided in the code, period refers to the duration of the time the timer will trigger the callback function again.

- How does the `Timer_CONTINUOUS_CALLBACK` parameter impact the driver?

The `Timer_CONTINUOUS_CALLBACK` parameter impacts the driver just in the way that the name suggests. It configures the timer to operate in continuous mode, meaning that it automatically resets a countdown each time the callback is triggered.

- What is `gpioButtonFxn0()` used for?

The `gpioButtonFxn0()` handles button presses. In the code that I completed it is used to change the morse code message.

- What is the purpose of `GPIO_CFG_IN_INT_FALLING`?

GPIO_CFG_IN_INT_FALLING is basically what makes up the interrupt that is triggered on the falling edge of the signal of a pin. It also works to handle button presses.