3-2 Milestone Two Submission

Joel Meza

Professor Ricky Sethi

January 19, 2022

CS 350 – Emerging Systems Architectures & Technologies

Southern New Hampshire University

Work Process Questions

1. **How does the macro UART\_DATA\_BINARY impact the UART?**

For the macro UART\_DATA\_BINARY, it impacts the UART program by handling the data around excluding the fact of processing it.

1. **How does the macro UART\_RETURN\_FULL impact the UART?**

The impact that UART\_RETURN\_FULL has on UART program is to enable the read functional method by uncovering or returning it when it reaches full capacity of buffer memory.

1. **What driver call would you use to write 10 characters out of the UART?**

**UART\_write**(UART, &input, 10) is the driver that I would call to write ten characters out of UART program.

1. **What does the driver call to turn off LED 0?**

**GPIO\_write(**CONFIG\_GPIO\_LED\_0, CONFIG\_GPIO\_LED\_OFF**)** is the driver that would be called to turn off the LED 0 from the UART program.

1. **What is the UART baud rate?**

For the UART baud rate, it’s the measure of speed in data transfer which is the rate known to be measured in bits per second (bps). In this UART GPIO Lab, the UART baud rate was used as 115200 (bps).