CS 350 Module 3 Milestone 2

James Nikolaou

CS 350

05/16/2024

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

This determines how the data is transmitted through the UART. This allows it to be read as binary data in 8-bit form which than can be translated to whatever form is needed for the program.

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

This allows for the reading of the UART\_READ function to read all values within the buffer based on its size and return when the buffer is full. It helps prevent overflow of data.

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

You would use UART\_Write(uart, &input, 10) in the context of this project. The 10 provides the buffer size of values being read in.

* **What is the driver call to turn off LED 0?**

GPIO\_write(CONFIG\_GPIO\_LED\_0, CONFIG\_GPIO\_LED\_OFF);

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

The baud rate is the rate of how information is sent in bits per second. For this application the baud rate was 115200, so this many bits can be transferred per second in this application.