Lab 2 UART Driver

Name: Chase Lewis

Date Performed: September 3rd, 2021 Course: Interface and Digital Electronics

TA's Names: Xavier Brooks

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Instructor's Name: Louis Beato

Description

This laboratory furthered the understanding of working with ports, the ports needing to be enabled and the Port Select register being configured to the proper mode along with the introduction to serial transmission. The purpose of this exercise is to explore the initialization of the UART interface, writing a character and reading a character. Due to the UARTO module being only available to a specific mode, the Port Select register must be properly configured and certain ports need to be discovered based on what's available for serial transmission.



Figure 1.1: UART Function Implementation

Figure 1.2: UART Echo Program

Exercise 2: UART Driver

Student's Name: Chase Lewis		Se	ection:	
	Point	Points		

Pre	-lab	Point Value	Points Earned	Comments	
Pre-lab	UART Ports, Pins, and Name	10	10	LIB	9/3/2/
	SEL Register	10	10	416	9/5/4

Der	no	Point Value	Points Earned	Date		
	Part 2	15	15	XB	9/3	
Demo	Part 3	20				

To receive any grading credit students must earn points for both the demonstration and the report.

Exercise 2: UART Driver

S	tudent's Name:	Chase L	ewij	Se	ection:	-
	Pre	-lab	Point Value	Points Earned	Comments	
	Pre-lab	UART Ports, Pins, and	10			

10

SEL Register

De	emo	Point Value	Points Earned	Date	
	Part 2	15			-10/0
Demo	Part 3	20	20	UB	9/1/21

To receive any grading credit students must earn points for both the demonstration and the report.