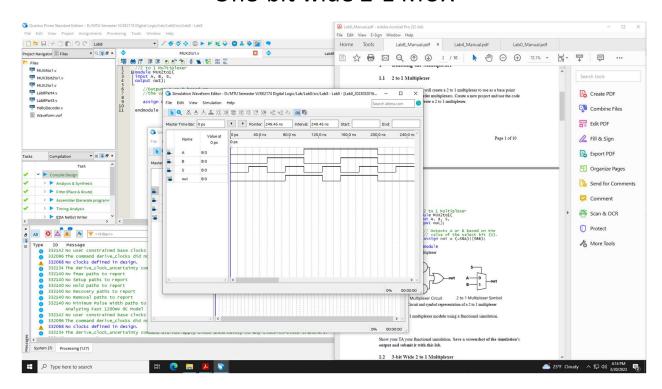
Submission Sheet - Lab 8

Name:	Nathan Spiner s	ection: LOI
	Scan this file and submit it on Canvas with the require	0 1 1 7
labeled in one file. Also include the required code. Every sign off requires either		
code or an image for points to be awarded.		
1.	TA's initials for the completion of the functional simu	lation in Part 1.1.
	Initials: Date: 08/20	
	Initials: Date: VIV	
2	TA's initials for the completion of the functional simu	lation in Part 1 2
۵.		iduon in 1 dit 1.2.
	Initials: Date: 03/20	
	11.	
3.	TAs initials for the completion of the physical implem	nentation of
	displaying the letters on a single display in Part 2. (20	
	Initials: Date: $03/20$,
4.	TAs initials for the completion of the physical implen	nentation of
	displaying the word "HELLO" in Part 3.2. (20 Points)
	Initials: Date: 69/20	
5.	TAs initials for the completion of positional word con	trol using switches
	in Part 3.2. (20 Points) Initials: Date: 63/20	
	Initials: Date: 0/20	
_		
6.	TAs initials for the completion of the physical implen	nentation of the
	scrolling "AELLO" in Part 4.1. (20 Points)	
	Initials: Date: 63/20	
7	TAs initials for the completion of the direction contro	l implementation for
,.	Part 4.2. (20 Points)	i implementation for
	Initials: Date: 03/20	
Last R	evised: 08/10/2021	Page 1 of 2

8. Write a one paragraph reflection on how modular design factored into how you implemented this lab. (20 Points)

Modular design provided the recessary abstraction to make this lab manageable mithin the true home mindow. In order to creake the 6-1 3-bix multiplexer, five 3-bix 2-1 multiplexers were used. Parts 2 and 3 of the lab directly used the Hello Decoder module we created, and last 4 directly instantiated last 3, simply adding a timer. Modular instantiation removed redundant code, and cleaned up the design process.

One-bit wide 2-1 MUX



Three-bit wide 2-1 MUX

