

Submission Sheet - Lab 4

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Section: 104

Scan this file and submit it on Canvas with the required images properly labeled in one file. Also include the required code. Every sign off requires either code or an image for points to be awarded.

1. TAs initials for the completion of the functional simulation for Part 1.1 (10 Points)

Initials: aw Date: 07-02-2024

2. For each value of **X** make note of what the least significant bit in the number assigned to the LEDR you are able to observe as changing. (10 Points)

X	LEDR Bit
5,000	LEDR[9]
25,000	LEDR[5]
100,000	LEDR[3]

3. What is the frequency you determined in the prelab for “**CLOCK_50**”?

50 MHz

4. What is the largest decimal value that “[**16:0**] count” can hold? (10 Points)

131,071

5. What is the value for **X** that allows you to see LEDR[0] blink at a rate of 1 Hz? (10 Points)

50,000,000 [32:0]

6. TAs initials for the completion of the physical implementation for Part 1.2 (10 Points)

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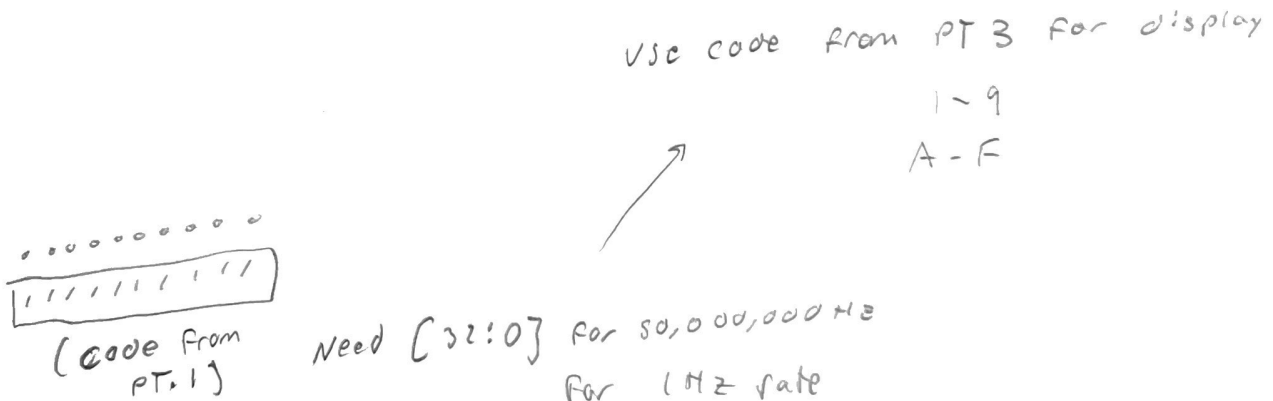
7. TAs initials for the completion of the demonstration for Part 2. (20 Points)

Initials: ch Date: 07-02-2024

8. TAs initials for the completion of the demonstration for Part 3. (30 Points)

Initials: ch Date: 07-02-2024

9. Visual diagram for planning the implementation of Part 4. (10 Points).



10. TAs initials for the completion of the demonstration for Part 4. (30 Points)

Initials: ch Date: 07-02-2024

