EEL 4712C - Digital Design: Lab Report 2

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```
This is a test VHDL code block
2
  library IEEE;
  use IEEE.STD_LOGIC_1164.ALL;
  use IEEE.STD_LOGIC_ARITH.ALL;
5
6
  entity test is
7
      Port ( a : in
                      STD_LOGIC;
8
              b : in
                      STD_LOGIC;
9
                      STDLOGIC);
              c : out
10 end test;
```

Listing 1: Test VHDL Code

Prelab Report

Prelab Questions

Demo:

- 1. Using the provided top_level.vhd, the 7-segment display entity you created in Lab 0, and the provided fsm.vhdp synthesize your circuit.
- 2. In Quartus, assign pins to the inputs (switches & buttons) and outputs (LEDs) such that the correct outputs are displayed on the 7-segment display.
- 3. Show your TA the RTL viewer showing the properly synthesized datapath.
- 4. Once the everything is working, show a TA the correct output for Fib(11) = 89.

Prelab Design and Implementation

Reflection

Prelab Homework

Postlab Report

Problem Statement

Design

Implementation

Testing

Conclusions

Appendix