

40 Yard-Dash Stopwatch

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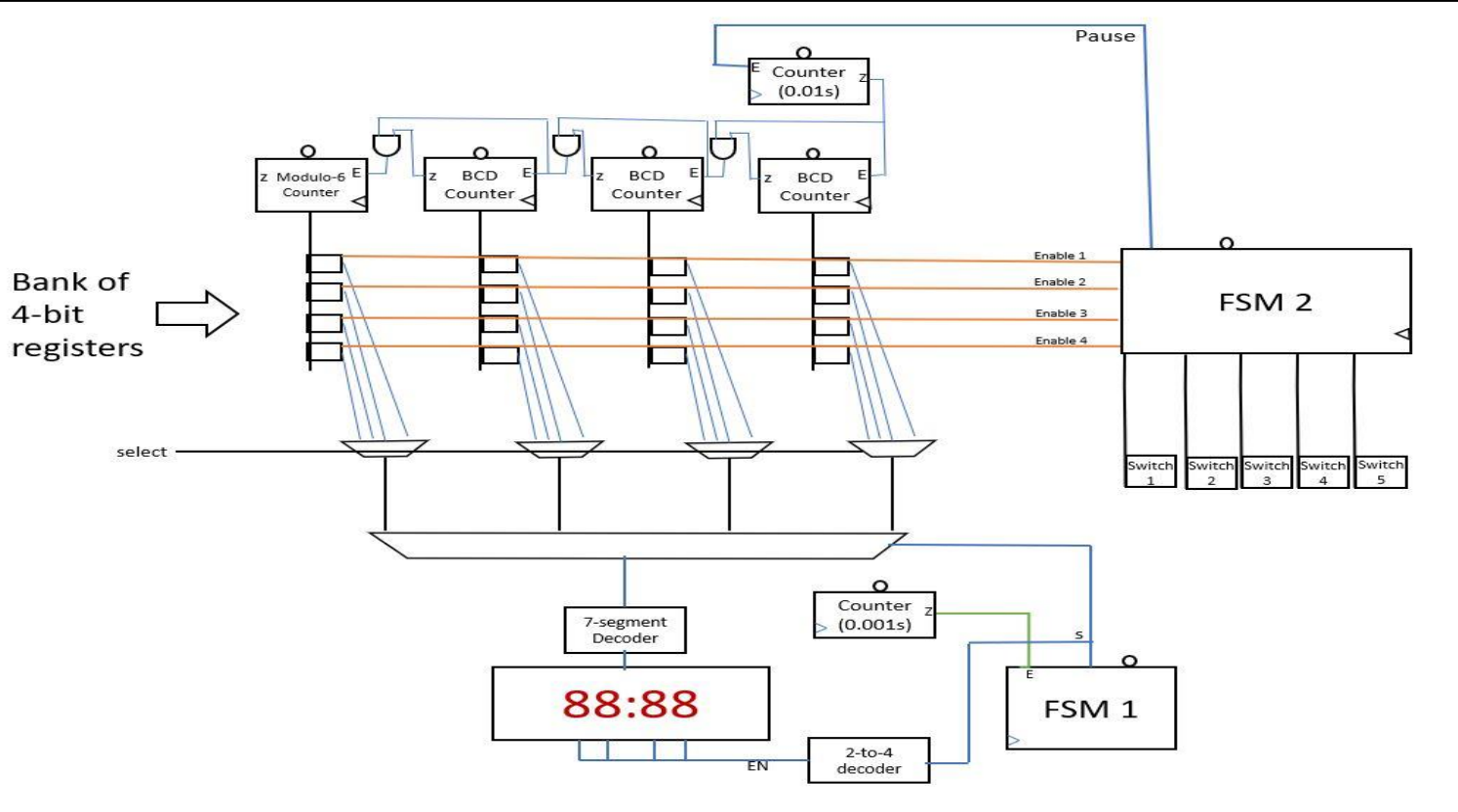


Hardware

- Basys 3 FPGA Board
 - Lasers
 - Light sensors (photo resistors)
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- Xilinx Vivado

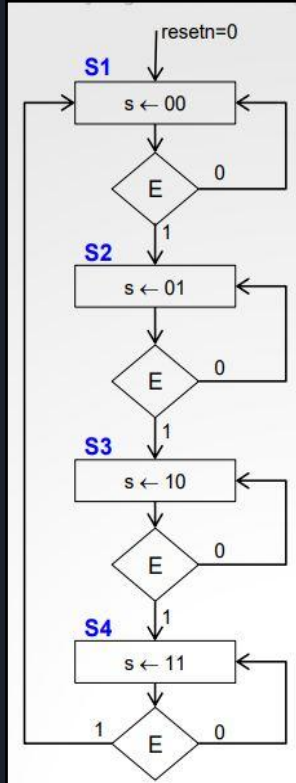


Circuit / Design

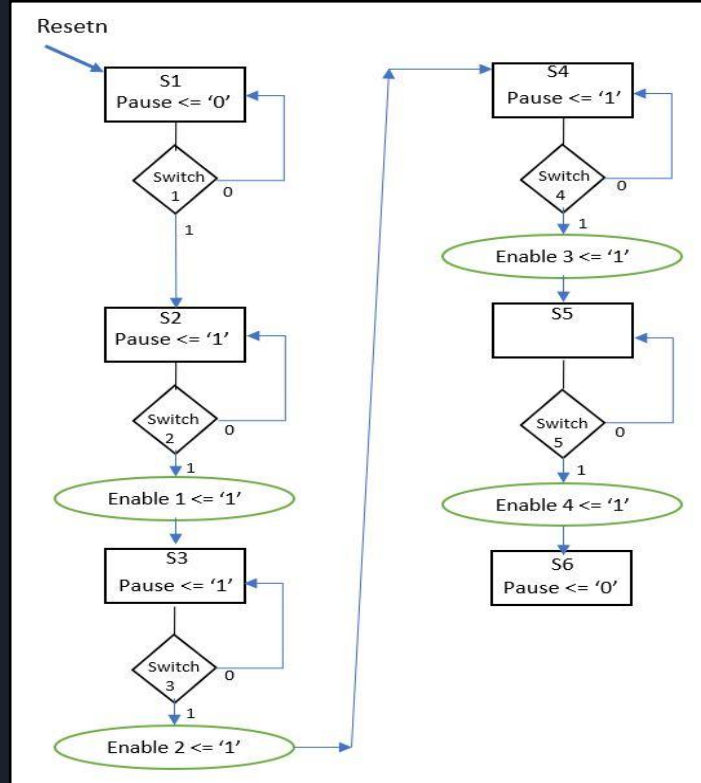


FSM's

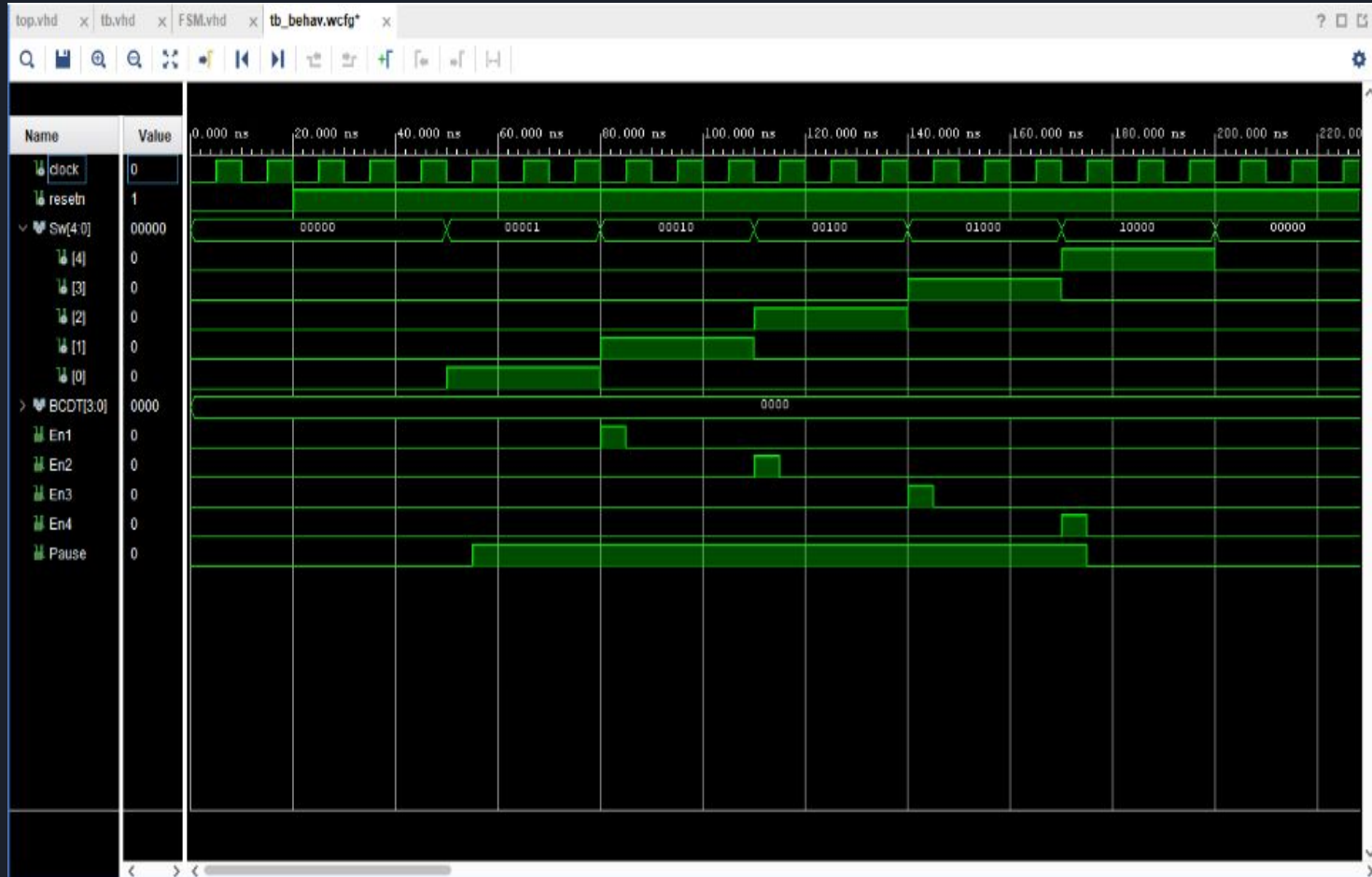
FSM 1:



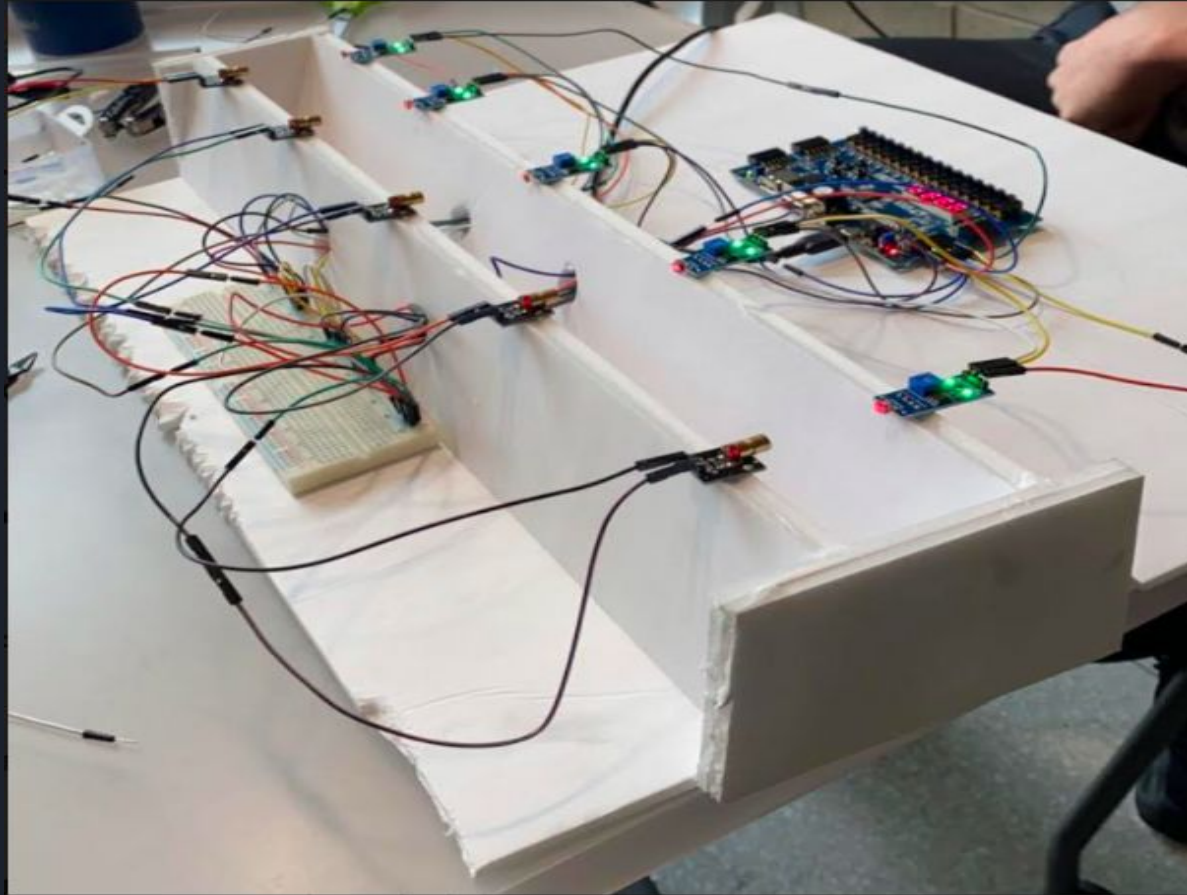
FSM 2:



Simulation/Timing Diagram



Implementation



Working Demo

