Lab 1

ECE 3300 LAB

SECTION 02

Instructor: Mohamed Aly

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Group I

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**Abstract**

Purpose of the experiment was to introduce the group to FPGA boards by using the programmer, Vivado. Task was to create two 4-bit inputs with two switches. One switch would be called “selectone”, which was to choose between input x or input y. The second switch, called “selecttwo” was to flip the LEDS to the right or to the left. Mux and demux was programmed using structural modeling.

**Area/Resources Information**

Elaborated Design

Diagram

Description automatically generated

Diagram, schematic

Description automatically generated

**Power Usage**

**Graphical user interface, text, application

Description automatically generated**

**Post-Implementation Resource Utilization**

Table

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