**CompE3150**

**Project 1**

Team B

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**Summary:**

This project was the first time we had actually implemented code onto hardware for 3 of us. Starting the project was the hardest since we had to figure out how the code should be formatted, how the Simon board would accept it, and also how Flash Magic worked with our board. After the initial hiccups we were able to get the increment working in no time after fixing a lot of syntax errors with the code. Decrement was just as easy to implement and when this was finished we gave out this code to everyone as out base code. The following are reports of each individual group member giving their explanation of their idea and any future work:

**Kyle –** Added a negative indicator to the board which meant that most of the functions had to be tweaked to handle Inc/Dec while either positive or negative. The biggest problems was rolling over to reset to zero (instead of -0) and adding exceptions to our previously written logic to handle 0 to -1 and -1 to 0.

**Andrew –** Added a small sound for every time the increment or decrement button is pressed.

**Zachary –** Added a small “level up” sound each time the board would rollover from 15 to zero or from -15 to zero.

**John –** Beep Boop?

**Work Effort Distribution:**

Kyle – Worked on implementing the decrement function since his negative implementation would work very close with this code. Set up Git repository so that we could easily upload and download changes and files.

Zachary – Implemented the base code for incrementing and generally debugging other’s code. Also wrote most of this report and set it up for everyone to finish up their own thoughts.

John –

Andrew -