Lab Report #1

ECE 322

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**Introduction:**

This lab served as a practical introduction to black box testing techniques. Namely, it introduced Failure/Dirty Testing and Error Guessing, as well as Partition Based Testing, which included both Equivalence Partitioning and Boundary Value Analysis. During the lab, students familiarized themselves with running both individual tests, and the use of test suites. These activities provided an introduction to the development and implementation of test cases to test two different projects, with two different testing methods, and note the efficacy and time taken for each of the methods.

**Part One:**

For this section of the lab, we tested a provided Calculator program using Failure/Dirty testing. The calculator does not accept characters as valid input, but implements a number of standard calculator operations.

Environment?

Language?

Tested which functionalities?

Results?

**Part Two:**

The second part of the lab tasked us with testing a command line triangle classification program. The triangle application reads in three space separated integers (eg. 4 4 4) representing the sides of a triangle, and outputs a triangle classification (scalene, isosceles, equilateral) or an error message. It only accepts three positive integers, with the command executed by pressing enter.

Environment?

Language?

Tested which functionalities?

Results?

Equivalence Classes?

**Conclusion:**

**Appendix:**