

Week 9 Lab: Stack

This Week

This week, we will be continuing on the stack backlog. Next week you will demonstrate story 5: bracket matching.

Demo

You will be demoing the stack functions: pop and push. In addition, you will be demonstrating an implementation of the algorithm for matching brackets. This implementation will be based on a new user interface, which you will also be demoing. The new interface is the command line interface from Unix where you enter the name of the program and parameters to the program.

Story 1-4 (15 Marks each; 60 marks total)

Run “make clean,” “make test” and “make.” Execute “./tst” to see if the basic tests pass. Execute “./stack” to make sure that the rest of the program runs.

1. Basics (5 Marks)
 1. Formatting is correct (2 Marks)
 2. Compiles without errors or warnings (3 Marks)
2. Correctness (10 Marks)
 1. Execute ./tst. The program must use stacks appropriately to gain the marks. (5 marks)
 2. No other errors (5 Marks)