CSE 2100 – Data Structures & Analysis of Algorithms

Lab #3 – Stacks & Queues

Labs are evaluated along axes of correctness, design, and style, with scores ordinarily computed as 3 × correctness + 2 × design + 1 × style.

Getting Started

Navigate to https://bitbucket.org/ChrisIsKing/cse2100/src/ and pull the starter code located inside of the folder named Lab 3 (Stacks & Queues).

Located in this folder contains 5 files (main.c, Stack.c, Stack.h, Queue.c & Queue.h).

You will be operating mostly in main.c, Stack.c & Queue.c but feel free to inspect all files.

If unfamiliar with concepts of stacks & queues review the powerpoint documents located in the Lab 3 Directory.

Tasks

Using your knowledge of stacks & queues taught in class you are required to:

- Implement the functions push & pop located inside of the file Stack.c
- Implement the functions enqueue & dequeue located inside of Queue.c
- Test your implementations of the above functions using the functions test_push(), test_pop & test_queue() located inside of main.c