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CS-163

July 13th 2020

Program #2 Test Plan

int queue::enqueue(data &);

Test Case(s) :

1. list is empty
2. one person
3. many people

Expected Result(s) :

1. add one person, return success
2. add one person to the next, return success
3. add one person to the next, return success

int queue::dequeue();

Test Case(s) :

1. list is empty
2. one person
3. many people

Expected Result(s) :

1. return failure
2. list becomes empty, return success
3. first person is out, return success

int queue::peek();

Test Case(s) :

1. list is empty
2. one person
3. many people

Expected Result(s) :

1. return failure
2. display one person, return success
3. display first person, return success

int queue::display();

Test Case(s) :

1. list is empty
2. one person
3. many people

Expected Result(s) :

1. return failure
2. display one person, return success
3. display all of them, return success

int stack::push(data &);

Test Case(s) :

1. list is empty
2. one person
3. many people

Expected Result(s) :

1. add the person on the list, return success
2. add the person on top of the previous person, return success

3. add the person on top of the previous person, return success

int stack::pop();

Test Case(s) :

1. list is empty
2. one person
3. many people

Expected Result(s) :

1. return failure
2. one person is out, return success
3. person on top is out, return success

int stack::peek();

Test Case(s) :

1. list is empty
2. one person
3. many people

Expected Result(s) :

1. return failure
2. display one person, return success
3. display person on top, return success

int stack::display();

Test Case(s) :

1. list is empty
2. one person

3. many people

Expected Result(s) :

1. return failure
2. display one person, return success
3. display all of them, return success