CS2308 PA#6, Fall 2019 Name:__Barclay_____

1. Compilation   20
☐ 20 Compilation:
        Stack.h compiles with StackDriver.cpp
        Queue.h compiles with your roller coaster driver
    -1 queue.size() needs to return int

2. Correctness   54
☐ 14 Stack.h implementation
☐ 14 Queue.h implementation
    -2 size() not implemented correctly
☐ 26 RollerCoaster implementation, used these test cases
    •   10 seated roller coaster   (no empty seats)
    •   7 seated roller coaster.   (no empty seats)
    •   15 seated roller coaster. (empty seats)
    -3 for wrong number of riders (using fin.eof() to end input loop causes an extra garbage element to be added to the array).
    -3 for using the number of groups instead of the number of seats to determine if the train is full
    -5 not checking if the queue is empty before dequeueing

3. Constraints   16
☐   Stack.h must use a linked list of string to store values
☐   Queue.h must use a (static) array to store the values
☐   4 pop and dequeue must check that container is not empty
☐   2 enqueue must check that container is not full
Roller Coaster driver must use Queue:
☐   5 enqueue group name once per person in group
☐   5 dequeue to output list of riders

4. Style/readability: 10
☐ 4 Header comment (with description) on each file
    -2 No descriptions

☐ 3 Roller Coaster driver is nicely formatted (variable names, comments)
  -2 what is tempSIZE? needs better comments to explain flow
☐ 3 All files have proper indentation

Penalties, if any:
PLEASE DON'T USE GOTO

Grade = 82