## CS163 Test Plan

**Develop the test plan:** *For each member function that you plan to write, think about how to test it – what flow of control exists in the member function and how would you test out all conditions:*

|  |  |  |
| --- | --- | --- |
| **Test Case(s)** | **Expected Result** | **Verified?**  **(yes/no)** |
| **pop() attempts to pop from an empty stack without verifying isempty() returns true or false** | **Run-time error** | **No** |
| **peek() attempts to peeks from an empty stack without verifying isempty() returns true or false** | **Run-time error** | **No** |
| **get\_char() reads in integer data from user without asserting input type to be of string type** | **Wrong input** | **No** |
| **get\_menu\_pick() reads in a string character without asserting input type to be of integer type** | **Wrong input** | **No** |
| **enqueue() – I haven’t implemented before** | **N/A** | **N/A** |
| **deqeue() - I haven’t implemented before** | **N/A** | **N/A** |
| **push() - I haven’t implemented before** | **N/A** | **N/A** |

**Verify correctness:** Using the above test plan, create a test program that tests the interactions of all functions together.