## CS163 Design #2 Test Plan

**Brian Dunn**

**CS163**

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| **Test Case(s)** | **Expected Result** | **Verified?**  **(yes/no)** |
| **Stack ADT** |  |  |
| * **PUSH** |  |  |
| **Enter 0 items and display** | **Nothing** |  |
| **Enter 1 item and display** | **Displays item** |  |
| **Enter (array size +1) items and display** | **Displays all items** |  |
| * **POP** |  |  |
| **Enter 0 items, try to pop** | **Nothing. Returns error** |  |
| **Enter 1 item, try to pop, display** | **Nothing** |  |
| **Enter (array size +1) items,display, pop one, display.** | **Displays list with added item displays list with removed item after pop** |  |
| **Pop all items off stack and display** | **Nothing** |  |
| * **PEEK** |  |  |
| **Enter 0 items and Peek** | **Nothing** |  |
| **Enter 1, peek, display** | **Return info from peek, displays list with peek object still present** |  |
| **Enter (array size +1) items and peek** | **Returns last item added** |  |
| **Queue ADT** |  |  |
| * **ENQUEUE** |  |  |
| **Enter 0 items and display** | **Nothing** |  |
| **Enter 1 item and display** | **Displays item** |  |
| **Enter Multiple items and display** | **Displays all the list** |  |
| * **DEQUEUE** |  |  |
| **Enter 0 items, dequeue** | **Error, nothing to dequeue** |  |
| **Enter 1 items, dequeue, display** |  |  |