**Gwinnett Technical College**

**CIST 1305 Program Design and Development**

# PROGRAM ANALYSIS WORKSHEET

**NAME: Rosemol Thanjappan DATE: 2/15/2019**

**PROGRAM DESCRIPTION:**

**Stack and Queue Demo**

**SOFTWARE (PROGRAM) REQUIREMENTS:**

1)get the values to enter the template from the user.

2)get the values stored in the template.

3)display the results.

|  |  |  |
| --- | --- | --- |
| INPUT | PROCESS | OUTPUT |
| value | Prompt/input  Push values to the static stack  If statckArray is not full  Add value to the stack  Pop values from the static stack  If stackArray is not empty,  Pop values from the stack.  Push values to the dynamic stack  Pop values from the dynamic stack  Enter values to the queue  If queueArray is not full add values to the queue  Get values from the queue  If queueArray is not empty get value from the queue  Enter values to Inventory statck  If statckArray is not full  Add value to the stack  Get values from Inventory stack  If stackArray is not empty,  Pop values from the stack.  Display the result | value |

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