# CST8130 – Data Structures

# Assignment <#1> – Test Plan

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## Menu System

| **Description of Test** | **Input Values** | **Output / Result** | **Pass/Fail** |
| --- | --- | --- | --- |
| * 1. Input 1 | 1 | Program runs succesfully next menu is brought up | PASS |
| * 1. Input 2 | 2 | Inventory \n Empty | PASS |
| * 1. Input 3 | 3 | 1 | PASS |
| * 1. Input 4 | 4 | 0 | PASS |
| * 1. Invalid integer | 6 | Invalid input! | PASS |
| * 1. Invalid input | ! | Input mismatch exception | PASS |

## Inputting code

| **Description of Test** | **Input Values** | **Output / Result** | **Pass/Fail** |
| --- | --- | --- | --- |
| 1. Correct code | 101 | Good | PASS |
| 1. Already made code | 101 | Code is already in use | PASS |
| 1. Negative code | -10 | Cannot input negative | PASS |
| 1. Letter | e | (input mismatch | PASS |
| 1. Random input | ! | input mismatch | PASS |
|  |  |  |  |

## Entering Quantity

| **Description of Test** | **Input Values** | **Output / Result** | **Pass/Fail** |
| --- | --- | --- | --- |
| 1. Enter correct | 10 | Works | PASS |
| 1. Enter negative | -1 | Please enter a positive number | PASS |
| 1. Enter letter | e | Please enter a valid integer | PASS |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

## Buy

| **Description of Test** | **Input Values** | **Output / Result** | **Pass/Fail** |
| --- | --- | --- | --- |
| 1. Enter code | 101 | Error | FAIL |
| 1. Enter wrong code | 12 | Error | FAIL |
| 1. Enter letter | e | Error | FAIL |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

## Sell

| **Description of Test** | **Input Values** | **Output / Result** | **Pass/Fail** |
| --- | --- | --- | --- |
| 1. Enter code | 1014 | Error | FAIL |
| 1. Enter wrong code | 122 | Error | FAIL |
| 1. Enter letter | f | Error | FAIL |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |