# CST8130 – Data Structures

# Assignment <1> – Test Plan

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## Add item to inventory.

| Description of Test | Input Values | Output / Result | Pass/Fail |
| --- | --- | --- | --- |
| * 1. Test invalid input | 9 | Error! | Pass |
| * 1. Test invalid input | A | Error! | Pass |
| * 1. Test invalid input | @ | Error! | Pass |
| * 1. Test valid input | 1 | Shows the next menu | Pass |
|  |  |  |  |
|  |  |  |  |

## Add fruit, vegetable, preserve.

| Description of Test | Input Values | Output / Result | Pass/Fail |
| --- | --- | --- | --- |
| 1. Test invalid input | 9 | Invalid option! | Pass |
| 1. Test invalid input | A | Invalid option! | Pass |
| 1. Test invalid input | @ | Invalid option! | Pass |
| 1. Test valid input | F, f | Added successfully | Pass |
| 1. Test valid input | V, v | Added successfully | Pass |
| 1. Test valid input | P, p | Added successfully | Pass |

## Buy Item

| Description of Test | Input Values | Output / Result | Pass/Fail |
| --- | --- | --- | --- |
| 1. Test invalid input | A | Error...could not buy item! | Pass |
| 1. Test invalid input | Value not in inventory | Code can not be found in inventory...  Error...could not buy item! | Pass |
| 1. Test invalid input | Negative or letter quantity | Invalid quantity...  Error...could not buy item! | Pass |
| 1. Test valid input | Any code in inventory | Goes to next menu | Pass |
|  |  |  |  |
|  |  |  |  |

## Sell Item

| Description of Test | Input Values | Output / Result | Pass/Fail |
| --- | --- | --- | --- |
| 1. Test invalid input | A | Error...could not sell item! | Pass |
| 1. Test invalid input | Value not in inventory | Code can not be found in inventory...  Error...could not sell item! | Pass |
| 1. Test invalid input | Negative or letter quantity | Invalid quantity...  Error...could not sell item! | Pass |
| 1. Test invalid input | Higher value than stock | Insufficient stock in inventory...  Error...could not sell item! | Pass |
| 1. Test valid input | Any code in inventory | Goes to next menu | Pass |
|  |  |  |  |

## <Name of Feature 5>

| Description of Test | Input Values | Output / Result | Pass/Fail |
| --- | --- | --- | --- |
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|  |  |  |  |

<add more tables if you have more features to test>