# CST8130 – Data Structures

# Assignment <#> – Test Plan

# Written By - <Mateusz Gumienny> : <041033057>

## <Name of Feature 1>

| Description of Test | Input Values | Expected Output | Actual Output / Result | Pass/Fail |
| --- | --- | --- | --- | --- |
| * 1. Input 2 with no inventory | 2 | Empty Inventory. | Empty Inventory. | Pass |
| * 1. Input 1 | 1 | Do you wish to add a fruit(f), vegetable(v) or a preserve(p)? | Do you wish to add a fruit(f), vegetable(v) or a preserve(p)? | Pass |
| * 1. Input f to add fruit | f | Enter the code for the item: | Enter the code for the item: | Pass |
| * 1. Enter code for item | 1 | Enter the name for the item: | Enter the name for the item: | Pass |
| * 1. Enter name for item | Apple | Enter the quantity for the item: | Enter the quantity for the item: | Pass |
| * 1. Enter quantity of item | 3 | Enter the cost of the item: | Enter the cost of the item: | Pass |
| * 1. Enter cost of item | 0.35 | Enter the sales price of the item: | Enter the sales price of the item: | Pass |
| * 1. Enter sales price of item | 1.25 | Enter the name of the orchard supplier: | Enter the name of the orchard supplier: | Pass |
| * 1. Enter name of supplier | BadApple | Please select one of the following:  1: Add Item to Inventory  2: Display Current Inventory  3: Buy Item(s)  4: Sell Item(s)  5: To Exit | Please select one of the following:  1: Add Item to Inventory  2: Display Current Inventory  3: Buy Item(s)  4: Sell Item(s)  5: To Exit | Pass |
| * 1. Display inventory | 2 | Fruit item:  Item: 1, Name: Apple, Quantity: 3 Price: $ 1.25 Cost: $0.35  Orchard supplier: BadApple | Fruit item:  Item: 1, Name: Apple, Quantity: 3 Price: $ 1.25 Cost: $0.35  Orchard supplier: BadApple | Pass |
| * 1. Add inventory | 1 | Do you wish to add a fruit(f), vegetable(v) or a preserve(p)? | Do you wish to add a fruit(f), vegetable(v) or a preserve(p)? | Pass |
| * 1. Input p for preserves | p | Enter the code for the item: | Enter the code for the item: | Pass |
| * 1. Enter item code | 2 | Enter the name for the item: | Enter the name for the item: | Pass |
| * 1. Enter item name | Pickled Beats | Enter the quantity for the item: | Enter the quantity for the item: | Pass |
| * 1. Enter quantity | 2 | Enter the cost of the item: | Enter the cost of the item: | Pass |
| * 1. Enter cost | 0.75 | Enter the sales price of the item: | Enter the sales price of the item: | Pass |
| * 1. Enter sales price | 2.99 | Enter the size of the jar in millilitres: | Enter the size of the jar in millilitres: | Pass |
| * 1. Enter size in ml | 500 | Please select one of the following:  1: Add Item to Inventory  2: Display Current Inventory  3: Buy Item(s)  4: Sell Item(s)  5: To Exit | Please select one of the following:  1: Add Item to Inventory  2: Display Current Inventory  3: Buy Item(s)  4: Sell Item(s)  5: To Exit | Pass |
| * 1. Display inventory | 2 | Fruit item:  Item: 1, Name: Apple, Quantity: 3 Price: $ 1.25 Cost: $0.35  Orchard supplier: BadApple  Preserve item:  Item: 2, Name: Pickled Beats, Quantity: 2 Price: $ 2.99 Cost: $0.75  size:: 500 | Fruit item:  Item: 1, Name: Apple, Quantity: 3 Price: $ 1.25 Cost: $0.35  Orchard supplier: BadApple  Preserve item:  Item: 2, Name: Pickled Beats, Quantity: 2 Price: $ 2.99 Cost: $0.75  size:: 500 | Pass |
| * 1. Buy Items | 3 | Enter item code to update: | Enter item code to update: | Pass |
| * 1. Enter code to update | 1 | Enter quantity: | Enter quantity: | Pass |
| * 1. Enter quantity | 2 | Please select one of the following:  1: Add Item to Inventory  2: Display Current Inventory  3: Buy Item(s)  4: Sell Item(s)  5: To Exit | Please select one of the following:  1: Add Item to Inventory  2: Display Current Inventory  3: Buy Item(s)  4: Sell Item(s)  5: To Exit | Pass |
| * 1. Sell items | 4 | Enter item code to update: | Enter item code to update: | Pass |
| * 1. Enter item code | 2 | Enter quantity to: | Enter quantity to: | Pass |
| * 1. Enter quantity | 1 | Please select one of the following:  1: Add Item to Inventory  2: Display Current Inventory  3: Buy Item(s)  4: Sell Item(s)  5: To Exit | Please select one of the following:  1: Add Item to Inventory  2: Display Current Inventory  3: Buy Item(s)  4: Sell Item(s)  5: To Exit | Pass |
| * 1. Display inventory | 2 | Fruit item:  Item: 1, Name: Apple, Quantity: 5 Price: $ 1.25 Cost: $0.35  Orchard supplier: BadApple  Preserve item:  Item: 2, Name: Pickled Beats, Quantity: 0 Price: $ 2.99 Cost: $0.75  size:: 500 | Fruit item:  Item: 1, Name: Apple, Quantity: 3 Price: $ 1.25 Cost: $0.35  Orchard supplier: BadApple  Preserve item:  Item: 2, Name: Pickled Beats, Quantity: 2 Price: $ 2.99 Cost: $0.75  size:: 500 | Fail |

## <Name of Feature 2>

| Description of Test | Input Values | Expected Output | Actual Output / Result | Pass/Fail |
| --- | --- | --- | --- | --- |
| 1. Add item | 1 | Do you wish to add a fruit(f), vegetable(v) or a preserve(p)? | Do you wish to add a fruit(f), vegetable(v) or a preserve(p)? | Pass |
| 1. Input invalid answer | cigarettes | Invalid food type. | Invalid food type. | Pass |
| 1. Exit | 5 |  |  | Pass |