# CST8130 – Data Structures

# Assignment 1 – Test Plan

# Written By – Mostapha A

## Menu

| Description of Test | Input Values | Output / Result | Pass/Fail |
| --- | --- | --- | --- |
| * 1. Boundary test | 0 | Incorrect try again | Pass |
| * 1. Boundary test | 6 | Incorrect try again | Pass |
| * 1. Negative number | -1 | Incorrect try again | Pass |
| * 1. letter | t | Incorrect try again | Pass |
| * 1. correct choice | 1 | Continues | Pass |

## Add item

| Description of Test | Input Values | Output / Result | Pass/Fail |
| --- | --- | --- | --- |
| 1. Incorrect type | q | Incorrect try again | Pass |
| 1. Incorrect type | 1 | Incorrect try again | Pass |
| 1. Negative quantity | -1 | Incorrect try again | Pass |
| 1. Negative price | -1 | Incorrect try again | Pass |
| 1. Negative cost | -1 | Incorrect try again | Pass |
| 1. Input mismatch | p | Incorrect try again | Pass |

## Item code exists

| Description of Test | Input Values | Output / Result | Pass/Fail |
| --- | --- | --- | --- |
| 1. Add item code exists | 1 | Incorrect try again | Pass |
| 1. Buy item code doesn’t exist | 765 | Incorrect | Pass |
| 1. Buy item code exists | 1 | Continues | Pass |

## Quantity

| Description of Test | Input Values | Output / Result | Pass/Fail |
| --- | --- | --- | --- |
| 1. Buy input mismatch | T | Incorrect | Pass |
| 1. Buy negative | -1 | Incorrect | Pass |
| 1. Buy positive | 4 | Continues | Pass |
| 1. Sell mismatch | P | Incorrect | Pass |
| 1. Sell negative | -1 | Incorrect | Pass |
| 1. Sell too much | 111 | Incorrect | Pass |
| 1. Sell correct amount | 3 | Continues |  |

## Print

| Description of Test | Input Values | Output / Result | Pass/Fail |
| --- | --- | --- | --- |
| 1. Print items | 2 | Prints all items | Pass |