***CST8130 – Assign 4 Test Plan***

CST8130\_300

Xingyi Wu

040887028

**Menu Testing**

|  |  |  |
| --- | --- | --- |
| Condition | Input | Result |
| Menu input of 1 first | 1, to prompt the input for item option | Process to below testing |
| Menu input of 2 | 2 | Process to below testing |
| Menu input of 7 | 7 | Process to below testing |
| Menu input of 5 | 5 | Process to below testing |
| Menu input of 6 | 6 | Process to below testing |

**Menu 1 – Add Item**

|  |  |  |
| --- | --- | --- |
| Condition | Input | Result |
| Add an item (when inventory is empty) | P, 456, paper, 100, 0.5, Staples | 56th in the inventory |
| Add an item (when inventory is not empty) | M, 100, book, 20, 1.30, 123, -1 | 1st in the inventory |
| Add an item (collision, add to the linkedList) | p, 200, cream, 10, 3, loblaws | 1st in the inventory, 2nd in the linkedList |

**Menu 2 – Inventory Display**

|  |  |  |
| --- | --- | --- |
| Condition | Input | Result |
| Default display | option 2 | Inventory:  (blank) |
| Display all items in the inventory in arraylist order | 123, 100, 200 | Item: 200 book 30 price: $2.6 Code used: 123,  Item: 100 cream 40 price: $1.3 Code used: 200,  Item: 123 paper 20 price: $1.3 Supplier: staples |

**Menu 7 – Search an item**

|  |  |  |
| --- | --- | --- |
| Condition | Input | Result |
| An item exists in inventory | 123 | Item: 123 paper 20 price: $1.3 Supplier: staples: at index of arrayList 23, at index of linkedlist 0 |
| An item doesn’t exist in inventory | 888 | Item cannot be found. |

**Menu 5 – Create a file**

|  |  |  |
| --- | --- | --- |
| Condition | Input | Result |
| Create an empty file  (there is no item in the inventory) | Emptyfile.txt | (blank) |
| Create a new file with data | Datafile.txt  Item: 200 book 30 price: $2.6 Code used: 123,  Item: 100 cream 40 price: $1.3 Code used: 200,  Item: 123 paper 20 price: $1.3 Supplier: staples | Datafile.txt is successfully created. |
| Create an overwrite file | Datafile.txt  This file is already existing, would you like it to be overwritten?(Y/N) y | Datafile.txt is successfully created. |
| Create an existing file but no overwritten | Datafile.txt  This file is already existing, would you like it to be overwritten? (Y/N) n  Please enter a new file name:  Copyfile.txt | Copyfile.txt is successfully created. |

**Menu 6 – Read a file**

|  |  |  |
| --- | --- | --- |
| Condition | Input | Result |
| An empty file | Emptyfile.txt  (blank) | File is empty, nothing to read. |
| A file with correct data | Datafile.txt  m 200 book 30 1.30 123 -1  m 100 cream 40 3 200 -1  p 123 paper 100 1.3 Staples | File is successfully read. |
| A file with wrong data | Badfile.txt  m 200 book 30 1.30 123 -1  m 100 cream 40 3 200 -1  p 123 paper 100 1.3 Staples  999999999 | Invalid item 999999999 in file  This line is unsuccessfully read. |
| A file with duplicate items | DupFile.txt  m 200 book 30 1.30 123 -1  m 100 cream 40 3 200 -1  p 123 paper 100 1.3 Staples  p 123 fan 30 1.30 456 -1 | File is successfully read.  (input 2 prompt:  Item: 200 book 30 price: $2.6 Code used: 123,  Item: 100 cream 40 price: $1.3 Code used: 200,  Item: 123 paper 20 price: $1.3 Supplier: staples  ) |
| A file does not exist | abc.txt | Could not open file....abc.txt |