|  |  |
| --- | --- |
| Test No | Plan |
| 1 | Test the add method and constructor |
| 2 | Test the format stock list |
| 3 | Test the update methods |
| 4 | Test the re-order list format |
| 5 | Test the exceptions |
| 6 | Test the Read and Write file operations |

|  |  |
| --- | --- |
| Test No | Purpose |
| 1 | To ensure that the correct data is passing through the constructor and that the add methods are working |
| 2 | To check that once the format method is called for stockList the format returns the correct layout |
| 3 | To ensure that the update methods are working as expected |
| 4 | To check that the separate format layout for the re-order list is correct when called |
| 5 | To make sure that the correct exception message is carried out |
| 6 | To ensure that the methods for reading and writing into a text file work |

**Screenshot of the full test:**

A screenshot of a computer

Description automatically generated

A screenshot of a computer screen

Description automatically generated with medium confidence

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test No | Input | Expected result | Actual result | Performance |
| 1 | Ht34", "x1 hammer", 20.0, 10, 7 | Ht34", "x1 hammer", 20.0, 10, 7 | A picture containing screenshot, text, font, line  Description automatically generated | Check |
| 2 | "Ht34", "x1 hammer", 20.0, 10, 7  Md56", "x1 mallet", 15.99, 18, 5  wR12", "x1 metal wrench", 10.50, 2, 3  tb90", "x1 tool box", 50.49, 1, 2  nS", "x100 nails", 2.99, 50, 20 | "Ht34", "x1 hammer", 20.0, 10, 7  Md56", "x1 mallet", 15.99, 18, 5  wR12", "x1 metal wrench", 10.50, 2, 3  tb90", "x1 tool box", 50.49, 1, 2  nS", "x100 nails", 2.99, 50, 20 | A screenshot of a computer screen  Description automatically generated with low confidence | Check |
| 3 | stockList.updateItemPrice("Ht34", 15.99);  stockList.updateItemQuantity("wR12", 30);    stockList.updateReOrderLevel("nS", 10); | "Ht34", 15.99  "wR12", 30  "nS", 10 | A screenshot of a computer screen  Description automatically generated with low confidence | Check |
| 4 | stockList.formatReOrderList()); | tb90  x1 tool box  50.49  1  2 | A black background with white text  Description automatically generated with low confidence | check |
| 5 | stockList.deleteItem("4S"); | e.getMessage | A black background with white text  Description automatically generated with low confidence | Check |
| 6 | stockList.saveStockData("save.dat");  stockList2.loadStockData("save.dat"); | Empty List  Loaded list |  | Check |

**Fail action:** If a test fails then the method failure will be recorded, and a fix will be implemented.

**Task Exceptions:**

Delete non existent item  
A screenshot of a computer screen

Description automatically generated with medium confidence

Add an item already there

A screenshot of a computer program

Description automatically generated with medium confidence