# StockList test documentation

## Test plan

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| --- | --- |
| Test No | Purpose |
| 1 | Creating StockLinkedList using constructor, load data from empty file and display list using *formatStockList* method. |
| 2 | Add three items to the list using *addItem* method and display list using *formatStockList* method. |
| 3 | Update price of one of items in list using *updateItemPrice* method and display list using *formatStockList* method. |
| 4 | Update quantity of one of items in list using *updateItemQuantity* method and display list using *formatStockList* method. |
| 5 | Update re-order level of one of items in list using *updateReOrderLevel* method and display list using *formatStockList* method. |
| 6 | Test *formatReOrderList* method. |
| 7 | Remove one of items in list using *deleteItem* method and display list using *formatStockList* method. |
| 8 | Save data to file. |
| 9 | Create new StockLinkedList using constructor, load data from previous and display list using *formatStockList* method. |

## Test log

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| --- | --- | --- | --- |
| Test No | Test data | Expected output | Actual output |
| 1 | new *StockLinkedList* | Item ID Description Price Quantity Re-order level  \*\*\*\*\*\*\* \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* \*\*\*\*\*\*\*\*\*\*\*\*\*\* \*\*\*\*\*\*\*\* \*\*\*\*\*\*\*\*\*\*\*\*\*\* | as expected |
| 2 | new *StockItem*:  itemId = “A1111”  itemDesc = “Test 1”  price = 100.0000  quantity = 10  reOrderLevel = 5  new *StockItem*:  itemId = “B2222”  itemDesc = “Test 2”  price = 200.0000  quantity = 3  reOrderLevel = 5  new *StockItem*:  itemId = “C3333”  itemDesc = “Test 3”  price = 300.0000  quantity = 500000  reOrderLevel = 15 | Item ID Description Price Quantity Re-order level  \*\*\*\*\*\*\* \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* \*\*\*\*\*\*\*\*\*\*\*\*\*\* \*\*\*\*\*\*\*\* \*\*\*\*\*\*\*\*\*\*\*\*\*\*  A1111 Test 1 100.0000 10 5  B2222 Test 2 200.0000 3 5  C3333 Test 3 300.0000 500000 15 | as expected |
| 3 | *StockItem[A1111] price = 150.0* | Item ID Description Price Quantity Re-order level  \*\*\*\*\*\*\* \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* \*\*\*\*\*\*\*\*\*\*\*\*\*\* \*\*\*\*\*\*\*\* \*\*\*\*\*\*\*\*\*\*\*\*\*\*  A1111 Test 1 150.0000 10 5  B2222 Test 2 200.0000 3 5  C3333 Test 3 300.0000 500000 15 | as expected |
| 4 | *StockItem[B2222] quantity = 4* | Item ID Description Price Quantity Re-order level  \*\*\*\*\*\*\* \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* \*\*\*\*\*\*\*\*\*\*\*\*\*\* \*\*\*\*\*\*\*\* \*\*\*\*\*\*\*\*\*\*\*\*\*\*  A1111 Test 1 150.0000 10 5  B2222 Test 2 200.0000 4 5  C3333 Test 3 300.0000 500000 15 | as expected |
| 5 | *StockItem[C3333] reOrderLevel = 10* | Item ID Description Price Quantity Re-order level  \*\*\*\*\*\*\* \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* \*\*\*\*\*\*\*\*\*\*\*\*\*\* \*\*\*\*\*\*\*\* \*\*\*\*\*\*\*\*\*\*\*\*\*\*  A1111 Test 1 150.0000 10 5  B2222 Test 2 200.0000 4 5  C3333 Test 3 300.0000 500000 10 | as expected |
| 6 | *StockLinkedList* | Item ID Description Price Quantity Re-order level  \*\*\*\*\*\*\* \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* \*\*\*\*\*\*\*\*\*\*\*\*\*\* \*\*\*\*\*\*\*\* \*\*\*\*\*\*\*\*\*\*\*\*\*\*  B2222 Test 2 200.0000 4 5 | as expected |
| 7 | remove *StockLinkedList [B2222]* | Item ID Description Price Quantity Re-order level  \*\*\*\*\*\*\* \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* \*\*\*\*\*\*\*\*\*\*\*\*\*\* \*\*\*\*\*\*\*\* \*\*\*\*\*\*\*\*\*\*\*\*\*\*  A1111 Test 1 150.0000 10 5 C3333 Test 3 300.0000 500000 10 | as expected |
| 8 | *StockLinkedList* | Stock data has been successfully saved. | as expected |
| 9 | new *StockLinkedList* | Item ID Description Price Quantity Re-order level  \*\*\*\*\*\*\* \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* \*\*\*\*\*\*\*\*\*\*\*\*\*\* \*\*\*\*\*\*\*\* \*\*\*\*\*\*\*\*\*\*\*\*\*\*  A1111 Test 1 150.0000 10 5 C3333 Test 3 300.0000 500000 10 | as expected |