

## StockList test documentation

### Test plan

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

### Test log

Test No	Test data	Expected output	Actual output
1	new <i>StockLinkedList</i>	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
2	new <i>StockItem</i> : itemId = "A1111" itemDesc = "Test 1" price = 100.0000 quantity = 10 reOrderLevel = 5  new <i>StockItem</i> : itemId = "B2222" itemDesc = "Test 2" price = 200.0000 quantity = 3 reOrderLevel = 5  new <i>StockItem</i> : 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	<i>StockItem</i> [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	<i>StockItem</i> [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

<b>5</b>	<i>StockItem[C3333]</i> <i>reOrderLevel = 10</i>	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
<b>6</b>	<i>StockLinkedList</i>	Item ID Description Price Quantity Re-order level ***** B2222 Test 2 200.0000 4 5	as expected
<b>7</b>	remove <i>StockLinkedList</i> <i>[B2222]</i>	Item ID Description Price Quantity Re-order level ***** A1111 Test 1 150.0000 10 5 C3333 Test 3 300.0000 500000 10	as expected
<b>8</b>	<i>StockLinkedList</i>	Stock data has been successfully saved.	as expected
<b>9</b>	new <i>StockLinkedList</i>	Item ID Description Price Quantity Re-order level ***** A1111 Test 1 150.0000 10 5 C3333 Test 3 300.0000 500000 10	as expected