# StockItem test documentation

## Test plan

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| Test No | Purpose |
| 1 | Creating StockItem using constructor and test *toString* method. |
| 2 | Obtain ID using *getItemId method.* |
| 3 | Obtain description using *getItemDesc* method. |
| 4 | Change price using *setPrice* method and obtain new price using *getPrice* method. |
| 5 | Change quantity using *setQuantity* method and obtain new quantity using *getQuantity* method. |
| 6 | Change level at which to re-order using *setReOrderLevel* method and obtain new level at which to re-order using *getReOrderLevel* method. |
| 7 | Test *format* method. |

## Test log

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| Test No | Test data | Expected output | Actual output |
| 1 | new *StockItem*:  itemId = “AB123”  itemDesc = “Test item.”  price = 20.0  quantity = 10  reOrderLevel = 1 | Stock.StockItem{itemId='AB123', itemDesc='Test item.', price=20.0, quantity=10, reOrderLevel=1} | as expected |
| 2 | *StockItem* | AB123 | as expected |
| 3 | *StockItem* | Test item. | as expected |
| 4 | *StockItem*  price = 100.0 | 100.0 | as expected |
| 5 | *StockItem*  quantity = 20 | 20 | as expected |
| 6 | *StockItem*  reOrderLevel = 5 | 5 | as expected |
| 7 | *StockItem* | AB123 Test item. 100.0000 20 5 | as expected |