

System Test Plan: Sales program

Introduction: The text in bold in the **Description** column represents the test inputs.

Test Files: (List each test file below.)

Test ID	Description	Expected Results	Actual Results
testTooFewArgs Author: Dr. Balik	\$ java -cp bin Sales	Usage: java -cp bin Sales infile outfile Program quits.	Usage: java -cp bin Sales infile outfile Program quits.
testTooManyArgs Author: Dr. Balik	\$ java -cp bin Sales test-files/inventory.txt test-files/updatedInventory.txt extraArg	Usage: java -cp bin Sales infile outfile Program quits.	Usage: java -cp bin Sales infile outfile Program quits.
testInputFileAccess Author: Dr. Balik	\$ java -cp bin Sales test-files/notafile.txt test-files/output.txt	Unable to access input file: test-files/notafile.txt Program quits.	Unable to access input file: test-files/notafile.txt Program quits.
testOutputFileCreation Author: Dr. Balik	\$ java -cp bin Sales test-files/inventory.txt notadirectory/updatedInventory.txt	Cannot create output file Program quits.	Cannot create output file Program quits.
testOptionsMenu Author: Dr. Balik	Delete the test-files/updatedInventory.txt, if it exists \$ java -cp bin Sales test-files/inventory.txt test-files/updatedInventory.txt	Sales Program - Please choose an option. L - List items S - Search by item name P - Purchase item Q - Quit Option:	Sales Program - Please choose an option. L - List items S - Search by item name P - Purchase item Q - Quit Option:

Test ID	Description	Expected Results	Actual Results
testQuit	Delete test-files/updatedInventory.txt, if it exists	Program quits.	Program quits.
Author: Dr. Balik	<div>\$ java -cp bin Sales test-files/inventory.txt test-files/updatedInventory.txt</div> <div>Menu is displayed</div> <div>Option: q</div>		
testInvalidOption	Delete test-files/updatedInventory.txt, if it exists	Invalid option	Invalid option
Author: Dr. Balik	<div>\$ java -cp bin Sales test-files/inventory.txt test-files/updatedInventory.txt</div> <div>Menu is displayed</div> <div>Option: quit</div> <div>(Ctrl+C to stop execution)</div>	Menu is redisplayed	Menu is redisplayed
testList	Delete test-files/updatedCandyInventory.txt, if it exists	<div>IDNameQuantity</div> <div>LH8869Lemonheads20</div> <div>AH1289Airheads15</div> <div>GB9806Gummy Bears18</div> <div>JR6578Jolly Ranchers12</div> <div>Menu is displayed.</div>	<div>IDName</div> <div>Quantity</div> <div>LH8869Lemonheads</div> <div>20</div> <div>AH1289Airheads</div> <div>15</div> <div>GB9806Gummy Bears</div> <div>18</div> <div>JR6578Jolly Ranchers</div> <div>12</div> <div>Menu is displayed.</div>
testSearchName	Delete test-files/updatedCandyInventory.txt, if it exists	<div>IDNameQuantity</div> <div>LH8869Lemonheads20</div> <div>AH1289Airheads15</div> <div>Menu is displayed.</div>	<div>IDName</div> <div>Quantity</div> <div>LH8869Lemonheads</div> <div>20</div> <div>AH1289Airheads</div> <div>15</div>
Author: Dr. Balik	<div>\$ java -cp bin Sales test-files/candyInventory.txt test-files/updatedCandyInventory.txt</div> <div>Menu is displayed</div> <div>Option: S</div> <div>Item name (is/contains): head</div>		

			Menu is displayed.
Test ID	Description	Expected Results	Actual Results
testMultipleActions	Delete test-files/updatedCandyInventory.txt, if it exists	ID Name Quantity LH8869 Lemonheads 8	ID Name Quantity
Author: Mrs. Glatz	\$ java -cp bin Sales test-files/candyInventory.txt test-files/updatedCandyInventory.txt	AH1289 Airheads 15	LH8869 Lemonheads
	Sales Program - Please choose an option.	GB9806 Gummy Bears 18	8
	L - List items	JR6578 Jolly Ranchers 12	AH1289 Airheads
	S - Search by item name	Sales Program - Please choose an option.	15
	P - Purchase item	L - List items	GB9806 Gummy Bears
	Q - Quit	S - Search by item name	18
	Option: P	P - Purchase item	JR6578 Jolly Ranchers
	Item id: LH8869	Q - Quit	12
	Quantity: 12	Option:	Sales Program - Please choose an option.
	Successful purchase		L - List items
	Sales Program - Please choose an option.		S - Search by item name
	L - List items		P - Purchase item
	S - Search by item name		Q - Quit
	P - Purchase item		Option:
	Q - Quit		
	Option: B		
	Invalid option		
	Sales Program - Please choose an option.		
	L - List items		
	S - Search by item name		
	P - Purchase item		
	Q - Quit		
	Option: L		

Test ID	Description	Expected Results	Actual Results
testNoOverwrite Author: Dr. Balik	Check timestamp for test-files/existingfile.txt \$ java -cp bin Sales test-files/inventory.txt test-files/existingfile.txt test-files/existingfile.txt exists - OK to overwrite (y,n)?: no	Program quits. Timestamp for test-files/existingfile.txt has not changed.	Program quits. Timestamp for test-files/existingfile.txt has not changed.
testOverwrite Author: Dr. Balik	Check timestamp for test-files/existingfile.txt \$ java -cp bin Sales test-files/inventory.txt test-files/existingfile.txt test-files/existingfile.txt exists - OK to overwrite (y,n)?: yes Menu is displayed Option: q	Program quits. Timestamp for test-files/existingfile.txt has changed.	Program quits. Timestamp for test-files/existingfile.txt has changed.
testSearchNameWithS pace Author: Dr. Balik	Delete test-files/updatedCandyInventory.txt, if it exists \$ java -cp bin Sales test-files/candyInventory.txt test-files/updatedCandyInventory.txt Menu is displayed Option: s Item name (is/contains): y be	ID Name Quantity GB9806 Gummy Bears 18 Menu is displayed.	ID Name Quantity GB9806 Gummy Bears 18 Menu is displayed.

Test ID	Description	Expected Results	Actual Results
testPurchaseInvalidItem Author: Hayden Hunter	Delete test-files/updatedNewInventory.txt, if it exists \$ java -cp bin Sales test-files/newInventory.txt test-files/updatedNewInventory.txt Menu is displayed Option: l List is displayed Option:P Item id: T91180z Quantity: 2	Invalid item	Invalid Item
testPurchaseNonIntegerQuantity Author:Hayden Hunter	Delete test-files/updatedNewInventory.txt, if it exists \$ java -cp bin Sales test-files/nonIntegerQuantity.txt test-files/updatedNewInventory.txt Menu is displayed Option: l List is displayed Option:P Item id: LH8869 Quantity: z	Invalid quantity	Invalid quantity

testPurchaseNegativeQuantity Author:Hayden Hunter	Delete test-files/updatedNewInventory.txt, if it exists \$ java -cp bin Sales test-files/NegativeQuantity.txt test-files/updatedNewInventory.txt Menu is displayed Option: l List is displayed Option:P Item id: AH1289 Quantity: -3	Invalid quantity	Invalid quantity
testPurchaseInsufficientQuantity Author:Hayden Hunter	Delete test-files/updatedNewInventory.txt, if it exists \$ java -cp bin Sales test-files/NegativeQuantity.txt test-files/updatedNewInventory.txt Menu is displayed Option: l List is displayed Option:P Item id: GB9806 Quantity: 19	Insufficient quantity	Insufficient quantity
Test ID	Description	Expected Results	Actual Results
testTwoSuccessfulPurchases Author:Hayden Hunter	Delete test-files/exp_updatedNewInventory.txt, if it exists	Program quits. updatedNewInventory.txt is the same as exp_updatedNewInventory.txt	Program quits. updatedNewInventory.txt is the same as exp_updatedNewInventory.txt

	<pre>\$ java -cp bin Sales test-files/updatedNewInventory.txt test-files/exp_updatedNewInventory.txt Menu is displayed Option: l List is displayed Option:P Item id: GB9806 Quantity: 2 Option:P Item id: JR6578 Quantity: 2 Option: Q</pre>		
testInvalidInventoryTwoTokensOnLine Author:Hayden Hunter	Delete test-files/output.txt, if it exists \$ java -cp bin Sales test-files/twoTokensOnLine.txt test-files/output.txt	Invalid input file	Invalid input file
testInvalidInventoryExtraTokenOnLineAfterQuantity Author:Hayden Hunter	Delete test-files/output.txt, if it exists \$ java -cp bin Sales test-files/extraTokenOnLine.txt test-files/output.txt	Invalid input file	Invalid input file
testInvalidInventoryNonintegerQuantity Author:Hayden Hunter	Delete test-files/output.txt, if it exists \$ java -cp bin Sales test-files/nonintegerQuantity.txt test-files/output.txt	Invalid input file	Invalid input file
testInvalidInventoryNegativeQuantity	Delete test-files/output.txt, if it exists	Invalid input file	Invalid input file

Author:Hayden Hunter	\$ java -cp bin Sales test-files/negativeQuantity.txt test-files/output.txt		
testInvalidInventoryDuplicatItems Author:Hayden Hunter	Delete test-files/output.txt, if it exists \$ java -cp bin Sales test-files/duplicateItems.txt test-files/output.txt	Invalid input file	Invalid input file