

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><div><div>IDNameQuantity</div><div>LH8869Lemonheads20</div><div>AH1289Airheads15</div><div>GB9806Gummy Bears18</div><div>JR6578Jolly Ranchers12</div></div></div> <div>Menu is displayed.</div>	<div><div><div>IDNameQuantity</div><div>LH8869Lemonheads20</div><div>AH1289Airheads15</div><div>GB9806Gummy Bears18</div><div>JR6578Jolly Ranchers12</div></div></div> <div>Menu is displayed.</div>
testSearchName	Delete test-files/updatedCandyInventory.txt, if it exists	<div><div><div>IDNameQuantity</div><div>LH8869Lemonheads20</div><div>AH1289Airheads15</div></div></div> <div>Menu is displayed.</div>	<div><div><div>IDNameQuantity</div><div>LH8869Lemonheads20</div><div>AH1289Airheads15</div></div></div> <div>Menu is displayed.</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>		

Test ID	Description	Expected Results			Actual Results		
testMultipleActions	Delete test-files/updatedCandyInventory.txt, if it exists	ID	Name	Quantity	ID	Name	Quantity
		LH8869	Lemonheads	8	LH8869	Lemonheads	8
Author: Mrs. Glatz	\$ java -cp bin Sales test-files/candyInventory.txt test-files/updatedCandyInventory.txt	AH1289	Airheads	15	AH1289	Airheads	15
		GB9806	Gummy Bears	18	GB9806	Gummy Bears	18
	Sales Program - Please choose an option.	JR6578	Jolly Ranchers	12	JR6578	Jolly Ranchers	12
	L - List items	Sales Program - Please choose an option.			Sales Program - Please choose an option.		
	S - Search by item name						
	P - Purchase item	L - List items			L - List items		
	Q - Quit						
	Option: P	S - Search by item name			S - Search by item name		
	Item id: LH8869						
	Quantity: 12	P - Purchase item			P - Purchase item		
	Successful purchase						
	Sales Program - Please choose an option.	Q - Quit			Q - Quit		
	L - List items						
	S - Search by item name	Option:			Option:		
	P - Purchase item						
	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	Check timestamp for test-files/existingfile.txt	Program quits.	Program quits.
Author: Dr. Balik	\$ java -cp bin Sales test-files/inventory.txt test-files/existingfile.txt test-files/existingfile.txt exists - OK to overwrite (y,n)?: no	Timestamp for test-files/existingfile.txt has not changed.	Timestamp for test-files/existingfile.txt has not changed.
testOverwrite	Check timestamp for test-files/existingfile.txt	Program quits.	Program quits.
Author: Dr. Balik	\$ 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	Timestamp for test-files/existingfile.txt has changed.	Timestamp for test-files/existingfile.txt has changed.
testSearchNameWithS pace	Delete test-files/updatedCandyInventory.txt, if it exists	ID Name Quantity GB9806 Gummy Bears 18	ID Name Quantity GB9806 Gummy Bears 18
Author: Dr. Balik	\$ java -cp bin Sales test-files/candyInventory.txt test-files/updatedCandyInventory.txt Menu is displayed Option: s Item name (is/contains): y be	Menu is displayed.	Menu is displayed.

Test ID	Description	Expected Results	Actual Results
testPurchaseInvalidItem Author: William Baldwin	Delete test-files/updatedNewInventory.txt, if it exists \$ java -cp bin Sales test-files/newInventory.txt test-files/updatedNewInventory.txt Menu is displayed <Complete test description> Option: P Item id: xyz	Invalid item Menu is redisplayed	Invalid item Menu is redisplayed
testPurchaseNonintegerQuantity Author:William Baldwin	Delete test-files/updatedNewInventory.txt, if it exists \$ java -cp bin Sales test-files/newInventory.txt test-files/updatedNewInventory.txt Menu is displayed Option: P Item id: LH8869 Quantity: eleven	Invalid quantity Menu is redisplayed	Invalid quantity Menu is redisplayed
testPurchaseNegativeQuantity Author: William Baldwin	Delete test-files/updatedNewInventory.txt, if it exists \$ java -cp bin Sales test-files/newInventory.txt test-files/updatedNewInventory.txt Menu is displayed	Invalid quantity Menu is redisplayed	Invalid quantity Menu is redisplayed

	Option: P Item id: LH8869 Quantity: -7		
testPurchaseInsufficientQuantity Author: William Baldwin	Delete test-files/updatedNewInventory.txt, if it exists \$ java -cp bin Sales test-files/newInventory.txt test-files/updatedNewInventory.txt Menu is displayed Option: P Item id: LH8869 Quantity: 1000	Insufficient quantity Menu is redisplayed	Insufficient quantity Menu is redisplayed
Test ID	Description	Expected Results	Actual Results
testTwoSuccessfulPurchases Author: William Baldwin	Delete test-files/updatedNewInventory.txt, if it exists \$ java -cp bin Sales test-files/newInventory.txt test-files/updatedNewInventory.txt Menu is displayed Option: P	Program quits. updatedNewInventory.txt is the same as exp_updatedNewInventory.txt	Program quits. updatedNewInventory.txt is the same as exp_updatedNewInventory.txt

	<div>Item id: LH8869</div> <div>Quantity: 10</div> <div>Successful purchase</div> <div>Menu is displayed</div> <div>Option: P</div> <div>Item id: AH1289</div> <div>Quantity: 4</div> <div>Successful purchase</div> <div>Menu is Displayed</div> <div>Option: Q</div>		
<div>testInvalidInventoryTwoTokensOnLine</div> <div>Author: William Baldwin</div>	<div>Delete test-files/output.txt, if it exists</div> <div>\$ java -cp bin Sales test-files/twoTokensOnLine.txt test-files/output.txt</div>	Invalid input file	Invalid input file
<div>testInvalidInventoryExtraTokenOnLineAfterQuantity</div> <div>Author: William Baldwin</div>	<div>Delete test-files/output.txt, if it exists</div> <div>\$ java -cp bin Sales test-files/extraTokenOnLine.txt test-files/output.txt</div>	Invalid input file	Invalid input file

<div>testInvalidInventoryNo nintegerQuantity</div> <div>Author: William Baldwin</div>	<div>Delete test-files/output.txt, if it exists</div> <div>\$ java -cp bin Sales test-files/nonintegerQuantity.txt test-files/output.txt</div>	Invalid input file	Invalid input file
<div>testInvalidInventoryNe gativeQuantity</div> <div>Author: William Baldwin</div>	<div>Delete test-files/output.txt, if it exists</div> <div>\$ java -cp bin Sales test-files/negativeQuantity.txt test-files/output.txt</div>	Invalid input file	Invalid input file
<div>testInvalidInventoryDu plicateItems</div> <div>Author: William Baldwin</div>	<div>Delete test-files/output.txt, if it exists</div> <div>\$ java -cp bin Sales test-files/duplicateItems.txt test-files/output.txt</div>	Invalid input file	Invalid input file