

BLACK BOX TEST PLAN

For our black-box test cases, we will use the following test files named customers_small.txt and order_small.txt located in the input folder

To start the program, run GroceryStoreManagerUI.java

Test ID	Description	Expected Results	Actual Results
testLoadFiles (ECP – Loading customer and product information from file)	<p>Preconditions:</p> <ul style="list-style-type: none"> GroceryStoreManagerUI has been loaded successfully The file customers_small.txt exists The file orders_small.txt exists <p>Steps:</p> <ol style="list-style-type: none"> Type in “input/customers_small.txt” into the Customers File: text field and “input/orders_small.txt” into the Product File: text field. Click “Load Files” 	<p>The customer list loads and displays:</p> <ul style="list-style-type: none"> Customer [id=C8257561, company=Croger, state=DE, zipcode=14220] Customer [id=C9093150, company=Alberto's Son's, state=HI, zipcode=17190] Customer [id=C3850344, company=Smith's, state=PA, zipcode=14071] And so on... <p>And the product list loads and displays:</p> <ul style="list-style-type: none"> Product [brand=Pack, description=butter milk, frequency=389] Product [brand=King's, description=oranges, frequency=381] Product [brand=Wolf, description=butter milk, frequency=379] And so on... 	<p>The customer list loads and displays:</p> <ul style="list-style-type: none"> Customer [id=C8257561, company=Croger, state=DE, zipcode=14220] Customer [id=C9093150, company=Alberto's Son's, state=HI, zipcode=17190] Customer [id=C3850344, company=Smith's, state=PA, zipcode=14071] And so on... <p>And the product list loads and displays:</p> <ul style="list-style-type: none"> Product [brand=Pack, description=butter milk, frequency=389] Product [brand=King's, description=oranges, frequency=381] Product [brand=Wolf, description=butter milk, frequency=379] And so on...

			<p>anges, frequency=381]</p> <ul style="list-style-type: none"> Product [brand=Wolf, description=bu ttermilk, frequency=379] <p>And so on...</p>
<p>testCustomerListSortedById</p> <p>(BVA – Sorting customer list by ID)</p>	<p>Preconditions:</p> <ul style="list-style-type: none"> The customers and products information has been loaded and displayed successfully Customers are not sorted by their IDs Sort Customers By ID button is clickable <p>Steps:</p> <ol style="list-style-type: none"> Click “Sort Customers By ID” Button located under the list of customers. 	<p>The customer list displays:</p> <ul style="list-style-type: none"> Customer [id=C0000473, company=Wigmann's, state=DE, zipcode=45272] Customer [id=C0000646, company=Super Food, state=CA, zipcode=22962] Customer [id=C0000679, company=Martino's, state=SD, zipcode=05989] And so on... <p>The list of customers is sorted by the customers' IDs.</p> <p>The “Sort Customers By ID” button is disabled.</p>	<p>The customer list displays:</p> <ul style="list-style-type: none"> Customer [id=C0000473, company=Wigmann's, state=DE, zipcode=45272] Customer [id=C0000646, company=Super Food, state=CA, zipcode=22962] Customer [id=C0000679, company=Martino's, state=SD, zipcode=05989] And so on... <p>The list of customers is sorted by the customers' IDs.</p> <p>The “Sort Customers By ID” button is disabled.</p>
	<p>Preconditions:</p>	<p>The product list displays:</p>	<p>The product list displays:</p>

testRetrieveProduct ByBrand&Desp (BVA – Retrieve product by input the brand and description of product)	<ul style="list-style-type: none"> The products order information has been loaded and displayed successfully Steps: <ol style="list-style-type: none"> Enter the following details: Brand: “Wolf” Description: “ice cream” Click “Search!” button 	Product [brand=Wolf, description=ice cream, frequency=347] The text fields for Brand and Description are cleared.	Product [brand=Wolf, description=ice cream, frequency=347] The text fields for Brand and Description are cleared.
testRetrieveProduct ByBrand&Desp (DT – trying to retrieve product without enter either the brand or description in the text field)	Preconditions: <ul style="list-style-type: none"> The product order information has been loaded and displayed successfully Steps: <ol style="list-style-type: none"> Enter the following details: Brand: “Wolf” Description: Click search Re-Enter the following details: Brand: Description: “Ice cream” Click “Search!” button 	<ul style="list-style-type: none"> A new pop-up window displays “Please enter both brand and description.” A new pop-up window displays “Please enter both brand and description.” 	<ul style="list-style-type: none"> A new pop-up window displays “Please enter both brand and description.” A new pop-up window displays “Please enter both brand and description.”
testRetrieveProduct ByBrand&Desp (DT – trying to retrieve product	Preconditions: <ul style="list-style-type: none"> The product order information has been loaded and displayed successfully Steps:	The product list displays: “Product not found”	The product list displays: “Product not found”

that does not exist or cannot be found)	<ol style="list-style-type: none"> 1. Enter the following details: Brand: "Mac" Description: "computer" <p>Click "Search!" button</p>		
testQuitGroceryStoreUI (ECP – Close the program)	<p>Preconditions:</p> <ul style="list-style-type: none"> • GroceryStoreManagerUI has been loaded successfully <p>Steps:</p> <ol style="list-style-type: none"> 1. Click the Red "X" button at the top of the application window (Left for Mac, Right for Windows/Linux) 	The program exits successfully.	The program exits successfully.