Function/Test cases related to Coffee and Donut.				
Test Case #	Requirements	Test Description and Input Data	Expected result	Actual result
1	Successfully Order a Donut	1 Glaze Yeast Donut 1 Chocolate Cake Donut 3 Strawberry Donut holes Then click on Add to Order	Opens an Information AlertBox "Your donut(s), [1 GLAZE Yeast, 1 Chocolate Cake, 3 Strawberry Donut hole], Is added to your orderlist successfully"	Opens an Information AlertBox "Your donut(s), [1 GLAZE Yeast, 1 Chocolate Cake, 3 Strawberry Donut hole], Is added to your orderlist successfully"
2	Successfully Order a Coffee	2 Short Coffee with Cream and Syrup AddIns added Then click on Add to Order	Opens an Information AlertBox "Order adding complete Your coffee, 2 Short Coffee, addIns: [Cream, Syrup] is added to your orderlist successfully"	Opens an Information AlertBox "Order adding complete Your coffee, 2 Short Coffee, addIns: [Cream, Syrup] is added to your orderlist successfully"
3	Successfully print the Coffee Order with Size and AddIns and the Donut Order with Size and Flavors in the Your Orders (in Order View)	**(Based on the actions in Testcase #1 and 2)** 1 Glaze Yeast Donut 1 Chocolate Cake Donut 3 Strawberry Donut holes 2 Short Coffee with Cream and Syrup AddIns are added to the Order	"1 GLAZE Yeast 1 CHOCOLATE Cake 3 Strawberry Donut holes 2 Short Coffee, addIns: [Cream, Syrup]"	"1 GLAZE Yeast 1 CHOCOLATE Cake 3 Strawberry Donut holes 2 Short Coffee, addIns: [Cream, Syrup]"
4	Invalid Donut (no donut is added) (Donut View)	No donut is added Then click on Add to Order	Opens an AlertBox "Empty Donut Order There is no donut to add!"	Opens an AlertBox "Empty Donut Order There is no donut to add!"
5	Donut flavor is not selected while ordering a donut	No donut flavor is selected while	Opens an AlertBox "Please select a Donut flavor. Select Glaze, Chocolate or Strawberry flavor"	Opens an AlertBox "Please select a Donut flavor. Select Glaze, Chocolate or Strawberry flavor"

6	Donut item not selected while removing a donut	No donut is selected while removing it in Ordering Donut View	Opens an AlertBox "Please select a donut to remove"	Opens an AlertBox "Please select a donut to remove"
7	Removing more than donuts added in the list	(Donut added) 3 Glaze Yeast Donut (removes 5 Glaze Yeast Donuts)	Opens an AlertBox "Cannot remove more than 3 GLAZE Yeast Donuts"	Opens an AlertBox "Cannot remove more than 3 GLAZE Yeast Donuts"
7	Total price of Donut order is correct	(Donuts added) 1 Glaze Yeast Donut 1 Chocolate Cake Donut 3 Strawberry Donut holes	Subtotal = $4.55 Sales Tax = $0.30 Total = $4.85	Subtotal = $4.55 Sales Tax = $0.30 Total = $4.85
8	Total price of Coffee order is correct	(Coffee added) 2 Short Coffee with Cream and Syrup AddIns	Subtotal = $4.58 Sales Tax = $0.30 Total = $4.88	Subtotal = $4.58 Sales Tax = $0.30 Total = $4.88
9	Total price of the entire order is correct (Donut order + Coffee order)	(Donuts + Coffee added) 1 Glaze Yeast Donut 1 Chocolate Cake Donut 3 Strawberry Donut holes 2 Short Coffee with Cream and Syrup AddIns	Subtotal = $9.13 Sales Tax = $0.60 Total = $9.73	Subtotal = $9.13 Sales Tax = $0.60 Total = $9.73
10	Trying to have an Invalid Coffee	**(The program is expected to not have any invalid Coffee in our GUI)** (The default Coffee is 1 Short with no addins)	Opens an Information AlertBox "Order adding complete Your coffee, 1 Short Coffee, addIns: [] is added to your orderlist successfully"	Opens an Information AlertBox "Order adding complete Your coffee, 1 Short Coffee, addIns: [] is added to your orderlist successfully"

Function/Test cases in Order Views

Test Case #	Requirements	Test Description and Input Data	Expected result	Actual result
1	Successfully remove Item from the Your Order View	(Your Order) 1 Glaze Yeast Donut 1 Chocolate Cake Donut 3 Strawberry Donut holes 2 Short Coffee with Cream and Syrup AddIns (Removing 1 Chocolate Cake Donut)	(After removing 1 Chocolate Cake Donut) 1 Glaze Yeast Donut 3 Strawberry Donut holes 2 Short Coffee with Cream and Syrup AddIns	(After removing 1 Chocolate Cake Donut) 1 Glaze Yeast Donut 3 Strawberry Donut holes 2 Short Coffee with Cream and Syrup AddIns
2	Successfully place the Order	(Your Order) 1 Glaze Yeast Donut 1 Chocolate Cake Donut 3 Strawberry Donut holes 2 Short Coffee with Cream and Syrup AddIns Then click on Place Order	Opens an Information AlertBox "Your Order is placed successfully"	Opens an Information AlertBox "Your Order is placed successfully"
3	There are no items in your cart to be placed	(Your Order) No items	Opens an Alert Box "There is no item to place your order!"	Opens an Alert Box "There is no item to place your order!"
4	No selected item to remove	(Your Order) 1 Glaze Yeast Donut 1 Chocolate Cake Donut 3 Strawberry Donut holes	Opens an AlertBox "Please select an item to remove"	Opens an AlertBox "Please select an item to remove"

		2 Short Coffee with Cream and Syrup AddIns (No selected item from the list above)		
5	No items exist to remove	(No inputted Item in Order)	Opens an AlertBox "There is no item to remove"	Opens an AlertBox "There is no item to remove"

			Function/Test cases in Store Order Views		
Test Case #	Requirements	Test Description and Input Data	Expected result	Actual result
1	There are no orders placed in the entire Cafe	(Store Order) No Orders at all	"NO PLACED ORDERS…"	"NO PLACED ORDERS…"
2	There are no orders placed in the entire Cafe	(Store Order) No Orders at all	Opens an Alert Box "There is no order to cancel"	Opens an Alert Box "There is no order to cancel"
3	Order(s) exist(s), but did not click "Get Detail" yet	Place valid Order(s) Then go Store Orders	"Select Order number from the Drop-down menu and Click on Get Detail"	"Select Order number from the Drop-down menu and Click on Get Detail"

4	Order successfully cancelled by the Store manager
	(Cancelling 2nd one)
	(in the Store Order View)
		(Order 1)
		    1 Glaze Yeast Donut
		    1 Chocolate Cake Donut
		3 Strawberry Donut holes
		
		(Order 2)
		  2 Short Coffee with Cream and Syrup AddIns
		
		(Cancelling Order 2)
			(After cancelling Order 2)
			(Order 1 still remained as the first selection)
			
			(Order 1)
			    1 Glaze Yeast Donut
			    1 Chocolate Cake Donut
			    3 Strawberry Donut holes
			
			Opens an Information Alert Box
			"The Order number[2] has been cancelled"
				(After cancelling Order 2)
				(Order 1 still remained as the first selection)
				
				(Order 1)
				    1 Glaze Yeast Donut
				    1 Chocolate Cake Donut
				    3 Strawberry Donut holes
				
				Opens an Information Alert Box
				"The Order number[2] has been cancelled"

5	Order successfully cancelled by the Store manager (Cancelling 1st one) (in the Store Order View)	(Order 1)
		   1 Glaze Yeast Donut
		   1 Chocolate Cake Donut
		3 Strawberry Donut holes
		
		(Order 2)
		 2 Short Coffee with Cream and Syrup AddIns
		
		(Cancelling Order 1)
			(After cancelling Order 1)
			(Order 2 becomes the first selection)
			
			(Order 2)
			 2 Short Coffee with Cream and Syrup AddIns
			
			Opens an Information Alert Box
			"The Order number[1] has been cancelled"
				(After cancelling Order 1)
				(Order 2 becomes the first selection)
				
				(Order 2)
				 2 Short Coffee with Cream and Syrup AddIns
				
				Opens an Information Alert Box
				"The Order number[1] has been cancelled"

6	Order successfully cancelled by the Store manager (Cancelling last Order) (in the Store Order View)	(Order 1)
		   1 Glaze Yeast Donut
		   1 Chocolate Cake Donut
		3 Strawberry Donut holes
		
		(Cancelling Order 1)
			(After cancelling Order 1)
			(No order numbers in comboBox)
			
			Opens an Information Alert Box
			"The Order number[2] has been cancelled"
			
			The list view shows:
			"NO PLACED ORDER…"
				(After cancelling Order 1)
				(No order numbers in comboBox)
				
				Opens an Information Alert Box
				"The Order number[2] has been cancelled"
				
				The list view shows:
				"NO PLACED ORDER…"

7	Successfully export the order to an new external file	(Order 1)
		   1 Glaze Yeast Donut
		   1 Chocolate Cake Donut
		3 Strawberry Donut holes
		
		(Order 2)
		  2 Short Coffee with Cream and Syrup AddIns
			(Exports the Orders to an External Text file)
			
			Order No. : 1
			Subtotal: 4.55
			Tax: 0.30
			TotalPrice: 4.85
			
			Order Detail Below:
			
			1 GLAZE Yeast
			1 CHOCOLATE Cake
			3 STRAWBERRY Donut hole
			------------End of OrderList-------------
				(Exports the Orders to an External Text file)
				
				Order No. : 1
				Subtotal: 4.55
				Tax: 0.30
				TotalPrice: 4.85
				
				Order Detail Below:
				
				1 GLAZE Yeast
				1 CHOCOLATE Cake
				3 STRAWBERRY Donut hole
				------------End of OrderList-------------

			Order No. : 2 Subtotal: 4.58 Tax: 0.30 TotalPrice: 4.88 Order Detail Below: 2 Short Coffee, add-Ins: [CREAM, SYRUP] ------------End of OrderList------------	Order No. : 2 Subtotal: 4.58 Tax: 0.30 TotalPrice: 4.88 Order Detail Below: 2 Short Coffee, add-Ins: [CREAM, SYRUP] ------------End of OrderList------------

8	Successfully replace a file by the exported the order to an exisiting external file	Previous file content:
		
		Order No. : 1
		Subtotal: 4.55
		Tax: 0.30
		TotalPrice: 4.85
		
		Order Detail Below:
		
		1 GLAZE Yeast
		1 CHOCOLATE Cake
		3 STRAWBERRY Donut hole
		------------End of OrderList------------
		
		(Order 1)
		    1 Glaze Yeast Donut
		  1 Chocolate Cake Donut
		3 Strawberry Donut holes
		
		(Order 2)
		  2 Short Coffee with Cream and Syrup AddIns
			(Exports the Orders to an existed external Text file)
			
			Order No. : 1
			Subtotal: 4.55
			Tax: 0.30
			TotalPrice: 4.85
			
			Order Detail Below:
			
			1 GLAZE Yeast
			1 CHOCOLATE Cake
			3 STRAWBERRY Donut hole
			------------End of OrderList------------
			
			Order No. : 2
			Subtotal: 4.58
			Tax: 0.30
			TotalPrice: 4.88
			
			Order Detail Below:
			
			2 Short Coffee, add-Ins: [CREAM, SYRUP]
				(Exports the Orders to an existed external Text file)
				
				Order No. : 1
				Subtotal: 4.55
				Tax: 0.30
				TotalPrice: 4.85
				
				Order Detail Below:
				
				1 GLAZE Yeast
				1 CHOCOLATE Cake
				3 STRAWBERRY Donut hole
				------------End of OrderList------------
				
				Order No. : 2
				Subtotal: 4.58
				Tax: 0.30
				TotalPrice: 4.88
				
				Order Detail Below:
				
				2 Short Coffee, add-Ins: [CREAM, SYRUP]

			------------End of OrderList-------------	------------End of OrderList-------------
9	Exporting the orders to an external file when there are no orders placed	(Store Order) No Orders at all	Opens an Alert Box "There is no order to export…"	Opens an Alert Box "There is no order to export…"

Other Function/Test cases				
Test Case #	Requirements	Test Description and Input Data	Expected result	Actual result
1	Limit the user can open only one appendix windows	1. Initate the program and have the main window 2. Open one of appendix windows (Coffee/Donut/Order/StoreOrder) 3.Try to Open another appendix window	The another appendix window is not opened	The another appendix window is not opened
2	Close all windows when the main window has been closed	1. Initate the program and have the main window 2. Open one of appendix windows (Coffee/Donut/Order/StoreOrder) 3. Close the main window by Windows' close button, while the appendix windows being opened	All windows are closed and the program is terminated (System exit)	All windows are closed and the program is terminated (System exit)