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CS 213 Project 4
Testing Document

Test Case #	Requirement	Test description and Input Data	Expected result/output
1	The system should open the corresponding views: Order Donut, Order Coffee, Order Basket, Store Orders when each one's respective button is selected.	● Attempt to select the donut image, coffee image, bag image, and clipboard image after starting the program.	The program opens the views without any exceptions and opens a new view in a new window.
2	The system should open the corresponding views: Order Donut, Order Coffee, Order Basket, Store Orders several times even if other views are already open.	● Attempt to select the donut image, coffee image, bag image, and clipboard image even after other views have already been opened/selected.	The program opens the views without any exceptions and opens an additional view in a new window.
3	The system should not crash if the add item button is pressed in the donut view if there are no selected donuts.	● Execute the program and press the Order Donut button. ○ Press the add button with no donuts/flavors selected	The add button will be unresponsive until there is some donut flavor selected. Output: "Error Must Select a Donut Flavor!"
4	The system should not crash if the remove item button is pressed in the donut view even if there are no selected donuts.	● Execute the program and press the Order Donut button. ○ Press the remove item button with no donuts/flavors selected	The remove button will be unresponsive until there is some donut flavor selected. Quantity need not be selected as it is defaulted at one. Output: "Error No Donut Selected!"
5	The system should add/remove donuts as expected if there is a donut flavor/type selected along with any quantity (including the predefined value of 1)	● Execute the program and press the Order Donut button. ○ Press the add or remove item button with any	The output is then Strawberry(4) in the added donut Listview. Output for remove: Strawberry(4)

		donut/flavor selected and any quantity selected ○ Donut Type:yeast ○ Flavor: Strawberry ○ Quantity: 4 ○ Press Add ○ Press Remove on Strawberry(4) in the listview container	disappears from the Listview and is removed from the tentative subtotal.
6	The system should switch ListViews for flavors without any exceptions when choosing between donut types: yeast, cake, and holes. By default, the listview contains all the flavors of yeast donut.	● Press the cake donut option in the drop down menu. ○ All flavors should be readable and selectable	Birthday cake, chocolate cake, and cheesecake populates the flavor options in the ListView which can be selected by the user to add to their shopping bag.
7	The system should accurately accept the quantity of donuts selected in the drop down and set the selected flavor with the selected quantity.	● Press the add or remove item button with any donut/flavor selected and any quantity selected ● Donut Type: Cake ● Flavor: Cheesecake ● Quantity: 8 ● Press Add	The output is then Cheesecake(8) in the Listview so the quantity is correctly read.
8	The system should not exhibit any exceptions in add to order even if there are no donuts selected to be added.	● After opening the donut view, directly press add to order such that there are no donuts in the added donuts ListView.	The 'add to order button' should be unresponsive since there are no elements to add into the basket.
9	The system should properly add whatever items are in the ListView when the add to order button is pressed if the view is not completely empty.	● After opening the donut view, press add to order such given that there are elements in the ListView. ○ Strawberry(4) ○ Blueberry(5)	The total is reset since the current elements are moved to the basket, all selections are undone and quantities are reset

		○ Cheesecake(6)	to 1.
10	The system should not allow a user to select add coffee even without selecting a coffee size because short is preselected.	● When entering the coffee view for the first time, press add right away.	The specified coffee is added to the orders list view since the behavior is permitted. Output: Short(1); there will be no add ons since add is pressed right away
11	The system should not allow a user to enter an order without selecting a valid coffee size.	● When entering the coffee view for the first time, press add order.	Not possible due to restrictions on the list view.
12	The system should only allow a user to select a coffee size that is [Short, Tall, Venti, Grande].	● When entering the coffee view for the first time, select an option from the coffee size drop down. ○ We used Short from the dropdown	A coffee size option [Short, Tall, Venti, Grande] (short if selected).
13	The system should allow a user to select all coffee without any add ons.	● When entering the coffee view for the first time, select short from the dropdown. ● Select a quantity of one. ● Press add	A coffee order of Short(1). The price should be $1.89 in the price text.
14	The system should allow a user to select all coffee with some addons	● When entering the coffee view for the first time, select a short coffee. ● Select sweet cream, french vanilla, and irish cream. ● Select a quantity of one ● Press add.	A coffee order which showcases Short(1) addons: [Sweet Cream, French Vanilla, Irish cream] The price should increase by $2.79 due to the addons
15	The system should add the coffee to the current order.	● When entering the coffee view for the first time, select a short coffee. ● Select sweet cream, french vanilla, and irish	The system should reset. Return to the main view and then press the order view. Then, check if the order is

		cream. ● Press add. ● Press add order	available and contains: Short(1) addons: [Sweet Cream, French Vanilla, Irish cream] The price should reset to be empty.
16	The system should be able to remove an coffee without any addons.	● When entering the coffee view for the first time, select a short coffee. ● Select sweet cream, french vanilla, and irish cream. ● Press add. ● Select the order you just made. ● Press remove	The coffee order: Short(1) should not be visible. The price should be decreased by $1.89.
17	The system should be able to handle multiple orders of coffee and submit them as one single order.	● When entering the coffee view for the first time, select an option from the coffee size drop down. ● Select a combination of addons. ● Type in or select any quantity of coffee. ● Press add. ● Repeat the above for however many coffees you need. ● Press add order	The system should reset. Return to the main view and then press the order view. Then, check if the order has the correct items.
18	The system should show all orders on start up in the store orders view.	● Create and submit an order. ● Enter the store orders view.	The system should show the orders that have been submitted upon start up.
19	The system should only allow a user to remove one order at a time from the store orders view.	● Create and submit an order with the following: ○ One short coffee, addons: [Sweet Cream, French Vanilla, Irish cream] ● Enter the store orders	The system should show one less order than before.

		view. ● Remove the order.	
20	The system should show the price and quantity of each item in an order.	● Create and submit an order with items: ○ One short coffee, addons: [Sweet Cream, French Vanilla, Irish cream] ● Enter the store orders view.	The system should show the item in each order with price and quantity. In this case, Short(1) addons: [Sweet Cream, French Vanilla, Irish cream] price: 2.97
21	The system should not do anything if the remove selected item button is pressed when there is no order that is selected in the ordering basket or if there is nothing in the basket.	Option 1: ● Open the order basket without adding any donuts or coffee to the order ● Press remove selected item with no available items in the list view Option 2: ● Open the order basket after adding donuts or coffee or both to the order number ● Press remove selected item without selecting any of the available items in the list view	The system should not perform any actions except the output: "Error: No items selected!"
22	The system should not do anything if the add to order button is pressed and there is nothing in the basket.	● Open the order basket without adding any donuts or coffee to the order ● Press add to order with no available items in the list view	The system should not perform any actions except the output: "Error: No items in the basket!"
23	The system should work as intended and add an order to the cumulative store orders if there is at least one item in the ordering basket	● Open the order basket after adding any donuts or coffee to the order ● Press add to order with at least one available item in the list view	The system should add the order and output: "Donuts added to order!"
24	In the ordering basket, the system should work as	● Open the order basket after adding coffee or	The system should remove the item

	intended when remove is selected and there is an item in the basket that is already selected.	donuts to the ordering basket ● Press remove selected item with some item selected in the list view	from the basket without any popup as the user can see it is gone.
25	The system should not allow itself to write to a text file if there are no orders.	● Immediately enter the store orders view. ● Press Save to Text File.	● A popup saying that you cannot write to a text file.

26	The system should write all available orders to a text file.	● Create and submit an order with items:
		  ○ One short coffee, addons: [Sweet Cream, French Vanilla, Irish cream]
		● Enter the store orders view.
		● Press save to text file.
			● A text file called output.txt. The content of this file should be:
			● Order number: X Short(1) addons: [Sweet Cream, French Vanilla, Irish cream]
			  ○ X is the order numb er depe nding on what you enter.

27	The system should write all available orders to a text file, where each order is separated by a new line.	● Create and submit an order with items:
		  ○ One short coffee, addons: [Sweet Cream, French Vanilla, Irish cream]
		  ○ One short coffee, addons: [Sweet Cream,
			● A text file called output.txt. The content of this file should be:
			● Order number: X Short(1) addons:

		French Vanilla] ● Enter the store orders view. ● Press save to text file.	[Sweet Cream, French Vanilla, Irish cream] Order number: X Short(1) addons: [Sweet Cream, French Vanilla, Irish cream] ○ X is the order number depending on what you enter

28	Despite orders in the store order view, the system should not allow one to remove an order if it is not selected.	● Create and submit an order with items:
		  ○ One short coffee, addons: [Sweet Cream, French Vanilla, Irish cream]
		  ○ One short coffee, addons: [Sweet Cream, French Vanilla]
		● Enter the store orders view.
		● Press remove immediately.
			A pop up indicating that there are no orders to remove.