Test Specifications - Project 4 (RUCafe JFX)

Test Case #	Requirement	Test Description & Input Data	Expected Result/Output
NAVIGATION			
No. 1	Upon launching the RUCafe application, the GUI should display the Main Menu view with four buttons to navigate to Order Donuts, Order Coffee, Shopping Basket, and Store Orders.	Launch application, confirm that a new Order has been created by checking the order number in the Shopping Basket view.	The GUI loads the Main Menu view upon launching. A new order is created.
No. 2	Upon clicking the Order Donuts button in the Main Menu view, the user should be navigated to the Order Donuts View	Launch application and click on the Order Donuts button in the Main Menu view.	The GUI loads the Order Donuts view upon clicking on the Order Donuts button in the Main Menu View.
No. 3	Upon clicking the Order Coffee button in the Main Menu view, the user should be navigated to the Order Coffee View	Launch application and click on the Order Coffee button in the Main Menu view.	The GUI loads the Order Coffee view upon clicking on the Order Coffee button in the Main Menu View.

No. 4	Upon clicking the Shopping Basket button in the Main Menu view, the user should be navigated to the Shopping Basket View	Launch application and click on the Shopping Basket button in the Main Menu view.	The GUI loads the Shopping Basket view upon clicking on the Shopping Basket button in the Main Menu View.
No. 5	Upon clicking the Store Orders button in the Main Menu view, the user should be navigated to the Store Orders View	Launch application and click on the Store Orders button in the Main Menu view.	The GUI loads the Store Orders view upon clicking on the Store Orders button in the Main Menu View.
No. 6	Upon clicking the back button in the Order Donuts, Order Coffee, Shopping Basket, and Store Orders view, the user should be navigated back to the Main Menu view	Launch application and navigate to each view from the Main Menu. Clicking the back button to return back to the Main Menu each time after navigating to a view.	The GUI loads the Main Menu view upon clicking the back button in the Order Donuts, Order Coffee, Shopping Basket, or Store Orders view
ORDER DONUTS VIEW			
No. 7	Upon choosing Yeast donut type from the donut type combo box, a list of available flavors should populate the available flavors list view with the correct flavors for Yeast type donut. The image in the view should also display a Yeast type donut.	Launch application and navigate to the Order Donuts view. Choose Yeast type donut from the donut type combo box. Verify the available flavors are correct. Verify the image is set correctly	The GUI loads the correct available flavors in the available flavors list view for Yeast type donut. The image is set correctly for Yeast type donut.

No. 8	Upon choosing Cake donut type from the donut type combo box, a list of available flavors should populate the available flavors list view with the correct flavors for Cake type donut. The image in the view should also display a Cake type donut.	Launch application and navigate to the Order Donuts view. Choose Cake type donut from the donut type combo box. Verify the available flavors are correct. Verify the image is set correctly	The GUI loads the correct available flavors in the available flavors list view for Cake type donut. The image is set correctly for Cake type donuts.
No. 9	Upon choosing Hole donut type from the donut type combo box, a list of available flavors should populate the available flavors list view with the correct flavors for Hole type donut. The image in the view should also display a Hole type donut.	Launch application and navigate to the Order Donuts view. Choose Hole type donut from the donut type combo box. Verify the available flavors are correct. Verify the image is set correctly	The GUI loads the correct available flavors in the available flavors list view for Hole type donut. The image is set correctly for Hole type donut.
No. 10	Upon choosing the donut type, the user should be able to select a flavor and quantity to add to the list of selected donut items. Clicking the add button should place the donut selection and quantity in the selected donuts list view. The subtotal should update correctly for the list of selected donuts.	Launch application and navigate to the Order Donuts view. Choose the Yeast type donut and select any available flavor. Choose a specific quantity or leave at 1 (default). Add the selection by clicking on the ">>" add button. Verify the selection and quantity is correct in the selected donuts list. Verify the subtotal is correct.	The application adds the donut selection with the correct quantity, type, and flavor in the selected donuts list. The subtotal is updated correctly as per the unit price and quantity of the selected donuts.

No. 11	The user should be able to remove a donut selection from the list of selected donuts by clicking on a selection and clicking the remove button. The item shall be removed and the subtotal updated.	Launch application and navigate to the Order Donuts view. Choose the Yeast type donut and select any available flavor. Choose a specific quantity or leave at 1 (default). Add the selection by clicking on the ">>" add button. Click on the recently added selection and then remove it by clicking the "<<" remove button. Verify the selection is removed and the subtotal is updated correctly. (Will be $0.00 if only added one item)	The application adds the donut selection with the correct quantity, type, and flavor in the selected donuts list. The subtotal is updated correctly as per the unit price and quantity of the selected donuts. The application correctly removes the donut selection and updates the subtotal.
No. 12	The user should NOT be able to add a donut selection if a donut type is selected but a flavor is not.	Launch application and navigate to the Order Donuts view. Choose the Yeast type donut and do not select a flavor. Set the quantity or leave as default and then click the ">>" add button.	The application does not allow the donut selection to be added. A prompt is shown stating that the selection is missing a flavor.
No. 13	The user should NOT be able to add a donut selection if a donut type is not selected.	Launch application and navigate to the Order Donuts view. Do not choose a donut type. Set the quantity or leave as default and then click the ">>" add button.	The application does not allow the donut selection to be added. A prompt is shown stating that the selection is missing a donut type.

No. 14	The user should NOT be able to remove an added donut selection if one is not selected to be removed.	Launch application and navigate to the Order Donuts view. Add a random donut selection to the list of selected donuts using previous steps. Without clicking on an added selection, click the "<<" remove button.	The application will not allow the user to remove a donut selection if one is not chosen. A prompt is shown stating that no added selection is chosen.
No. 15	The user should be able to submit all their donut selections to their order if they have one or more donut items to the selections.	Launch application and navigate to the Order Donuts view. Add a few random donut selections to the list of selected donuts using previous steps. Add the donut selections to the order by clicking on the "Add To Order" button. Verify the selections were submitted by navigating to the Shopping Basket view.	The application will submit all donut selections to the main order. A prompt is shown to confirm the action was completed successfully.
No. 16	The user should NOT be able to submit donut selections to their order if they have not added any donut selections.	Launch application and navigate to the Order Donuts view. Verify that no donut selections are added and then click on the "Add To Order" button. Verify the selections were not submitted by navigating to the Shopping Basket view.	The application will not submit any donut selections to the main order. A prompt is shown stating that there are no donut items added to the selection.
ORDER COFFEE VIEW			
No. 17	Upon choosing the cup size and quantity, the user should be able to select none,	Launch application and navigate to the Order Coffee view. Choose the Short cup	The application adds the coffee selection with the correct quantity, type, and

	one, or more flavors as coffee add-ins. The user should then be able to add their coffee selection to the list of coffee selections. Clicking the add button should place the coffee selection and quantity in the selected coffee items list view. The subtotal should update correctly for the list of coffee items.	size and select any available flavor or none. Choose a specific quantity or leave at 1 (default). Add the selection by clicking on the add button. Verify the selection and quantity is correct in the selected coffee items list. Verify the subtotal is correct.	flavor add-ins in the selected coffee items list. The subtotal is updated correctly as per the unit price and quantity of the selected coffee items.
No. 18	The user should be able to remove a coffee selection from the list of selected coffee items by clicking on a selection and clicking the remove button. The item shall be removed and the subtotal updated.	Launch application and navigate to the Order Coffee view. Choose any cup size, and select any available flavors add-ins or none. Choose a specific quantity or leave at 1 (default). Add the selection by clicking on the add button. Click on the recently added selection and then remove it by clicking the remove button. Verify the selection is removed and the subtotal is updated correctly. (Will be $0.00 if only added one item)	The application adds the coffee selection with the correct quantity, type, and flavor add-ins in the selected coffee items list. The subtotal is updated correctly as per the unit price and quantity of the selected coffees. The application correctly removes the coffee selection and updates the subtotal.
No. 19	The user should NOT be able to add a coffee selection if a cup size is not selected.	Launch application and navigate to the Order Coffee view. Do not select a cup size. Set the quantity or leave as default. Select flavor add-ins or leave as default (None). Then click the add button.	The application does not allow the coffee selection to be added. A prompt is shown stating that the selection is missing a cup size.

No. 20	The user should NOT be able to remove an added coffee selection if one is not selected to be removed.	Launch application and navigate to the Order Coffee view. Add a random coffee selection to the list of selected coffee items using previous steps. Without clicking on an added selection, click the remove button.	The application will not allow the user to remove a coffee selection if one is not chosen. A prompt is shown stating that no added selection is chosen.
No. 21	The user should be able to submit all their coffee selections to their order if they have added one or more items to the selections	Launch application and navigate to the Order Coffee view. Add a few random coffee selections to the list of selected coffee items using previous steps. Add the coffee selections to the order by clicking on the "Add To Order" button. Verify the selections were submitted by navigating to the Shopping Basket view.	The application will submit all coffee selections to the main order. A prompt is shown to confirm the action was completed successfully.
No. 22	The user should NOT be able to submit coffee selections to their order if they have not added any coffee selections	Launch application and navigate to the Order Coffee View. Verify that no coffee selections are added and then click on the "Add To Order" button. Verify the selections were not submitted by navigating to the Shopping Basket view.	The application will not submit any coffee selections to the main order. A prompt is shown stating that there are no coffee items added to the selections..
SHOPPING BASKET VIEW			
No. 23	Upon loading the Shopping Basket View, the GUI shall display both Donut	Launch the application and navigate to the Order Donut view. Add	The application correctly displays the Coffee and Donut items that were

	and Coffee items of the user's current order if one or more items are submitted. The order number is displayed in the top right corner. The dollar amounts should be correct for the items in the order so far.	random donut selections and submit them to the order using previous steps. Do the same for coffee items in the Order Coffee View. Navigate to the Shopping Basket view and verify that both the Donut and Coffee items were submitted to the order. Verify the amounts for the order are correct.	submitted to the order. The dollar amounts for the entire order are also correct for the items added.
No. 24	Upon loading the Shopping Basket View, the GUI shall display NO items of the user's current order if no items are submitted. The order number is displayed in the top right corner. The dollar amounts should be correct for the items in the order so far. ($0.00 for none)	Launch the application and navigate to the Shopping Basket view and verify that no items are submitted to the order. Verify the amounts for the order are correct.	The application correctly displays no items in the Shopping Basket. The dollar amounts for the entire order are also correct for no items added. ($0.00)
No. 25	The user should be able to remove an order item if one is selected. The order amount is updated to reflect the removal.	Launch the application and navigate to either the Order Donut or Order Coffee view. Add an item to the selection and submit it to the order. Navigate to the Shopping Basket view. Select the item submitted and click the "remove" button.	The application correctly removed the submitted item from the order. The item is removed from the shopping basket list and the dollar amounts for the entire order are updated correctly.
No. 26	The user should NOT be able to remove an order item if one is NOT selected.	Launch the application. You can choose to submit an item to the order or leave it empty.	The application does NOT allow the user to remove an unselected item. A prompt is shown

		Navigate to the Shopping Basket view. Without selecting any order items, click on the "remove" button.	stating that no order item is selected for removal.
No. 27	The user should be able to place an order and submit it successfully to the store orders if one or more items are added to the order.	Launch the application and navigate to either the Order Donut or Order Coffee view. Add one or more items to the selection and submit it to the order. Navigate to the Shopping Basket view. Click on the "Place Order" button. Verify that the order was placed by navigating to the Store Orders view and selecting the submitted order number from the drop down.	The application correctly submits the order of one or more items to the store order. The amounts are saved and the shopping basket is cleared.
No. 28	The user should NOT be able to place an order if there are no items added to the order.	Launch the application and navigate to the Shopping Basket view. Click on the "Place Order" button.	The application will NOT place an order since there are no items in the order. A prompt is shown that no items are in the order.
STORE ORDERS VIEW			
No. 29	If there are no orders placed yet, upon loading the Store Orders view, there should be no available order numbers to select for view.	Launch the application and navigate to the Store Orders view. The select order dropdown will not contain any orders to select for view.	The application displays no orders in the dropdown list.
No. 30	If there is no order selected, the user should NOT be able	Launch the application. You can choose to either	The application does not allow the user to cancel an order that

		create and place an order using previous steps or simply just navigate to the Store Order view. Click on the "cancel order" button.	is not selected. A prompt is displayed stating that no order number is selected
	to cancel an unselected order.		
No. 31	If there is no order selected, the user should NOT be able to export an unselected order.	Launch the application. You can choose to either create and place an order using previous steps or simply just navigate to the Store Order view. Click on the "export order" button.	The application will not allow the user to export an order that is not selected as a text file. A prompt is shown stating that no order is selected.
No. 32	If there is an order number selected from the drop down, the user should be able to cancel the order and remove it from the store orders.	Launch the application. Create a random order using the previous steps and place the order. Navigate to the store order view and select the order number you just placed. Click on the "cancel order" button. Verify the order is removed by checking the order number dropdown to see if the order number is removed	The application cancels the selected order and it is removed from the store order. The order number is removed from the drop down as well. The view resets and is ready for selecting another order number.
No. 33	If there is an order number selected from the drop down, the user should be able to export the order information as a txt file.	Launch the application. Create a random order using the previous steps and place the order. Navigate to the store order view and select the order number you just placed. Click on the "export order" button. Follow the file chooser prompt to select a destination for the exported text	The application exports the selected order as a text file in the destination chosen by the user.

		file. Verify the order is exported by checking the file creating at the selected destination	
No. 34	If there is an order number selected from the drop down, the GUI shall display all items in the order and the dollar amounts for the order total	Launch the application. Create a random order using the previous steps and place the order. Navigate to the store order view and select the order number you just placed. Verify the order items and the total amounts for correctness.	The application correctly displays the information of the selected order number. The totals are updated and the listed items show the correct information and quantities.