

Ninja Fast Kitchen System

Testing Manual

Test Plan

This test plan outlines the testing strategies used to ensure correctness of the program and consistency of the graphical user interface. The testing approach used is to conduct AD HOC testing of buttons and panels to ensure appropriate behavior as outlined in the user manual. Boundary value analysis is also applied wherein “good” and “bad” values are applied where appropriate.

Test Strategy

The goal of this test is to verify the program successfully stores, processes, and returns a view of orders a restaurant may have according to the specifications outlined in the user manual. This test is also to confirm working functionality of all graphical user interface components.

Test Scenario

1. Network options - This is to test that network connectivity works between customers and the restaurant as outlined in the user manual.
2. Restaurant options - This is to test that all buttons available in the restaurant view work as outlined in the user manual.
3. Customer options - This is to test that all buttons available in the customer view work as outlined in the user manual.
4. Menu options - This is to test that all buttons available in the main view work as outlined in the user manual.

Test Cases

Test Scenario	Test	Expected Output	Errors During Production	Final Output
Restaurant options	Click on the “To Order Display” button	Order Display Interface shows up	None	Same as expected
Restaurant options	Click on the “To Menu Creation”	Menu Creation Interface comes up	None	Same as expected
Menu options	Enter “Dessert” and click on Add Category	The Dessert category is added with an add menu	None	Same as expected

		button under with the options to remove the category.		
Menu options	Click on Add Category with no input	Get an error that we have incorrect input.	None	Same as expected
Menu options	Enter any alphanumeric or special character for the category name and click Add Category	New Category created with that category name	None	Same as expected
Menu options	Click on the red X button next to a category	Category is removed	None	Same as expected
Menu options	Click on the category name	Dialog box to change the category shows up	None	Same as expected
Menu options	Click on the category name and change the name to a unique category name	The category name changes to the unique category name	None	Same as expected
Menu options	Click on the category name and the change the name to a category name which already exists	Error shows up saying that category name is already there. No category is added.	None	Same as expected
Menu options	Enter a unique name and then click on Add Category	Category is added	None	Same as expected
Menu options	Enter a duplicate name and then click on Add Category	Error shows up, no category added	None	Same as expected
Menu options	Click on the X button next to a category and then enter that category and click on Add Category	Category should be added after it was removed	None	Same as expected
Menu options	Click on the X	Category name	None	Same as expected

	button next to a category and then click on another Category and rename it to the category that you deleted	should change to the name you just removed.		
Menu options	Click on the Add Menu Item button and click No	The menu should close and nothing will be added	None	Same as expected
Menu options	Click on the Add Menu Item button and click Yes	The menu should close and an error will show up asking you for all inputs	None	Same as expected
Menu options	Click on Add Menu Item and enter a unique item name and click yes	The menu should close and the new menu item should show up	None	Same as expected
Menu options	Click on Add Menu Item and enter a unique item name and unique time in minutes and seconds and click yes	The menu should close and the new menu item should show up	None	Same as expected
Menu options	Click on Add Menu Item and enter a duplicate item name and unique time in minutes and seconds and click yes	The menu should close and an error will show up and let you know the menu item already exists	None	Same as expected
Menu options	Click on Add Menu Item and enter a duplicate item name and duplicate time in minutes and seconds and click yes	The menu should close an error will show up and let you know the menu item already exists	None	Same as expected
Menu options	Click on the X button next to the menu item	The menu will disappear from the category	None	Same as expected
Menu options	Click on the menu	The menu item	None	Same as expected

	label and rename the menu item to a unique menu item	will be renamed to the new menu item		
Menu options	Click on the menu label and rename the menu item to a unique item menu with a unique item time	The menu item will be renamed to the new menu item and time	None	Same as expected
Menu options	Click on the menu label and rename the menu item to a duplicate menu item with a unique item time	The menu item will be renamed to have the same name but a new item time	None	Same as expected
Menu options	Click on the menu label and rename the menu item to a unique menu item with a duplicate item time	The menu item will be renamed to the new menu item name	None	Same as expected
Menu options	Click on the menu label and rename the menu item to a duplicate menu item with a duplicate item time	The menu item will not be renamed and no error will be produced	None	Same as expected
Menu options	Click on the menu label and rename the menu item to a unique menu item and click Add menu item using the previous menu item name	The new menu item will appear under the category the menu item was added to	None	Same as expected
Network options	Send a valid order from the customer to the restaurant	The restaurant will receive and display the valid order	None	Same as expected
Network options	Send a duplicate order from the customer to the restaurant	The restaurant will receive and display the duplicate order	None	Same as expected
Network options	Send an empty order from	Nothing will be sent over the	None	Same as expected

	restaurant to customer	network and the user will receive an error		
Customer options	Create a customer	A new customer is created	None	Same as expected
Customer options	Click an item and make sure it adds to the order	The item is added to the customers current order	None	Same as expected
Customer options	Click an item and then click remove for the item	The item is removed from the current order	None	Same as expected
Customer options	Click clear order with no order	Nothing happens	None	Same as expected
Customer options	Click on clear order with an order	The order disappears from the graphical user interface	None	Same as expected
Customer options	Delete the whole order the customer has individually and try to place order	Error that you have no object items so you cannot place an order	None	Same as expected
Customer options	Click on the category	Opens up menu items in that specific category	None	Same as expected
Customer options	Click on place order with an actual order	Order Dialog shows that it is placed	None	Same as expected
Customer options	Click on place order no order	Error shows up saying must have order items to place an order	None	Same as expected
Network options	Input valid ip	Starts the customer GUI	None	Same as expected
Network options	Input invalid ip	Error shows invalid IP address	None	Same as expected
Network options	Input valid ip but no customer name	Error dialog, must enter all values	None	Same as expected