

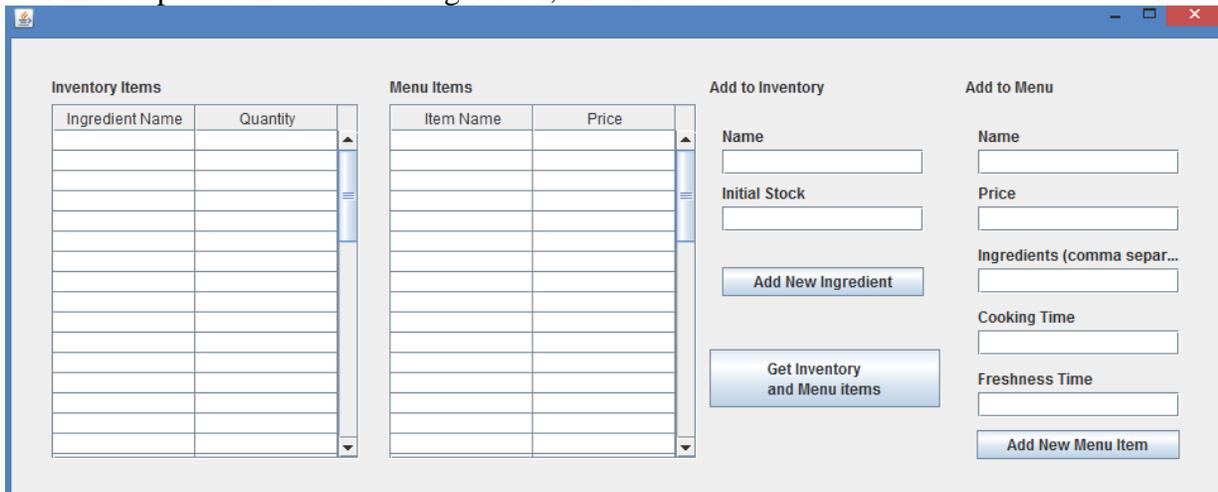
Some of the unit testing was already implemented inside the original code files along with comments describing the check that is performed. Please refer to the source code to see these. These tests ensured that our functions behaved as expected and only executed certain code based on values of certain parameters.

The graphical user interface and display tests were done visually. These tests include:

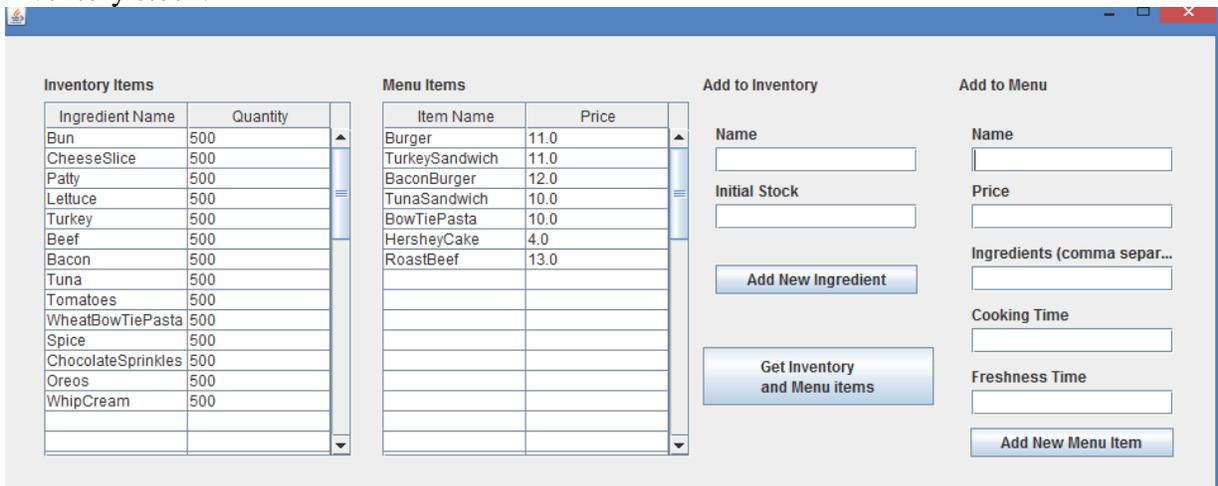
1. Verification that the forms are built correctly
2. Buttons, test, and lists were generated correctly
3. Button clicks linked to the proper functions
4. Windows close properly

State tests for the various data structures and GUIs were done by executing specific workflows on our system and visually determining that the proper actions had occurred. They are described below:

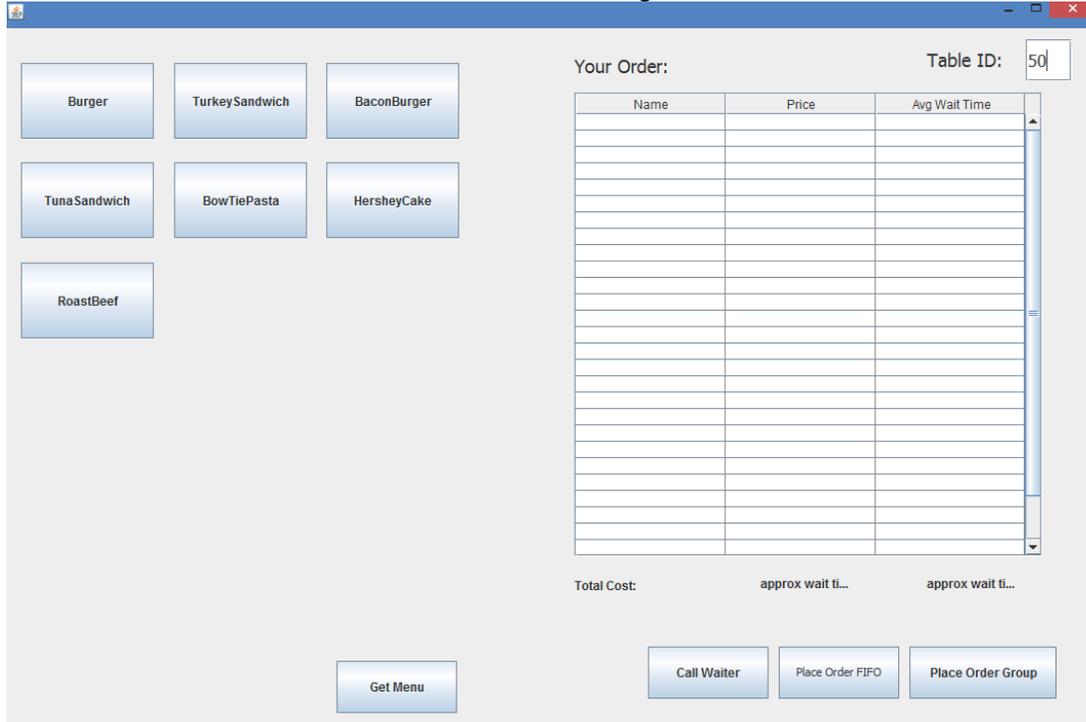
Our first step is to check the Manager GUI, shown below:



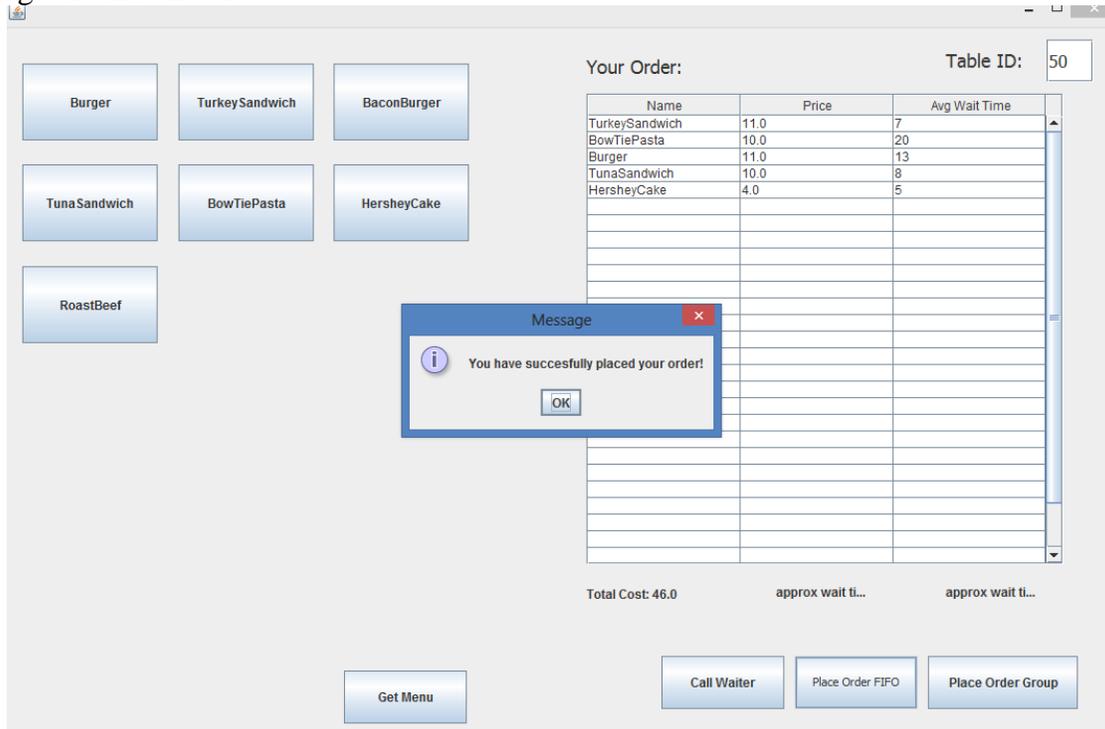
In this GUI, we click “Get Inventory and Menu Items” to retrieve the current menu and inventory stock.



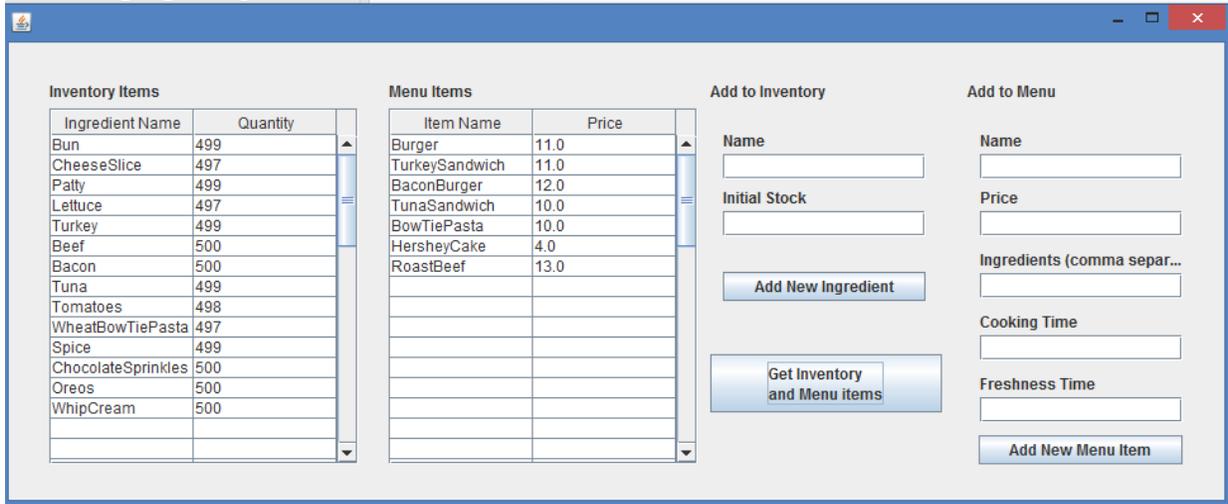
We then go to the Customer GUI and click “Get Menu” to dynamically populate the list. We verify that the items are the same as shown in the Manager GUI. This is shown below:



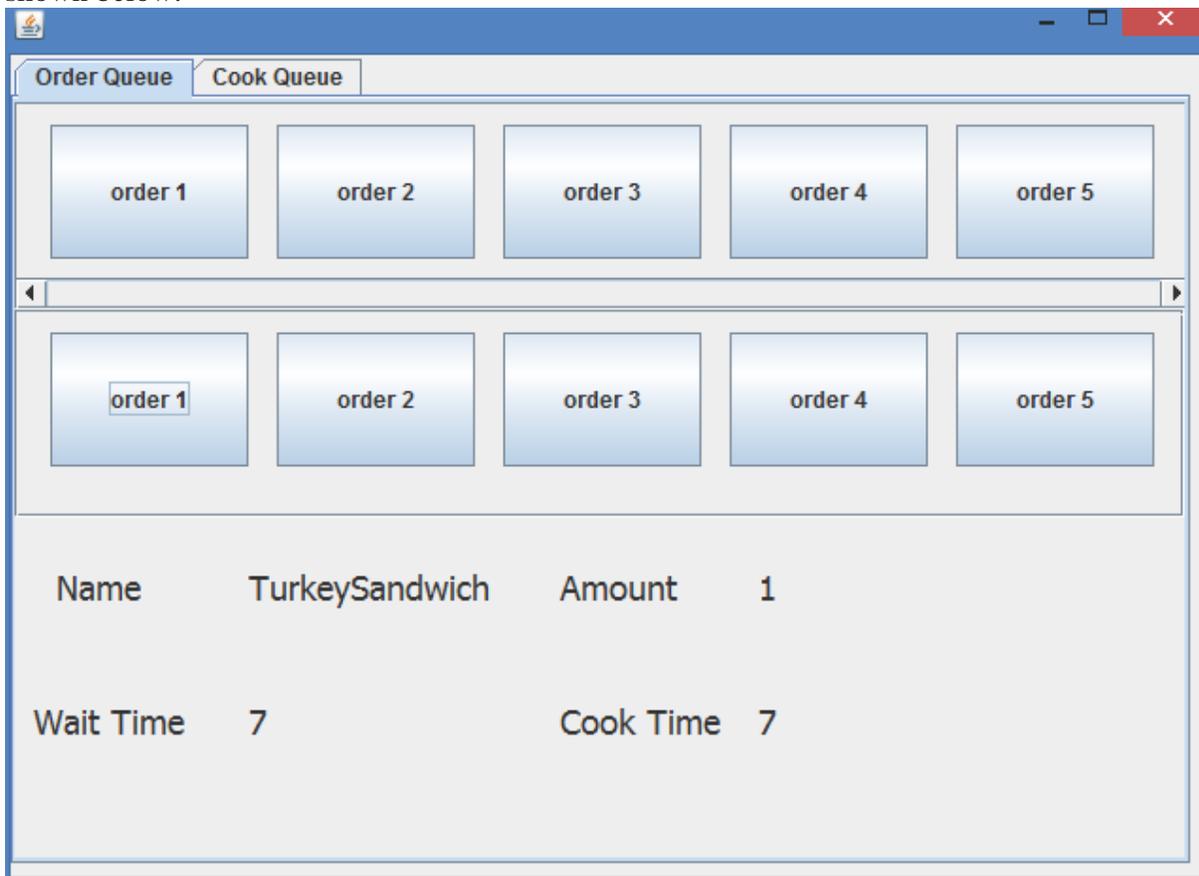
We then place an order via the Customer GUI. In our test case, we ordered Turkey Sandwich, Bow Tie Pasta, Burger, Tuna Sandwich, and Hershey Cake. The order and its confirmation message are shown below:



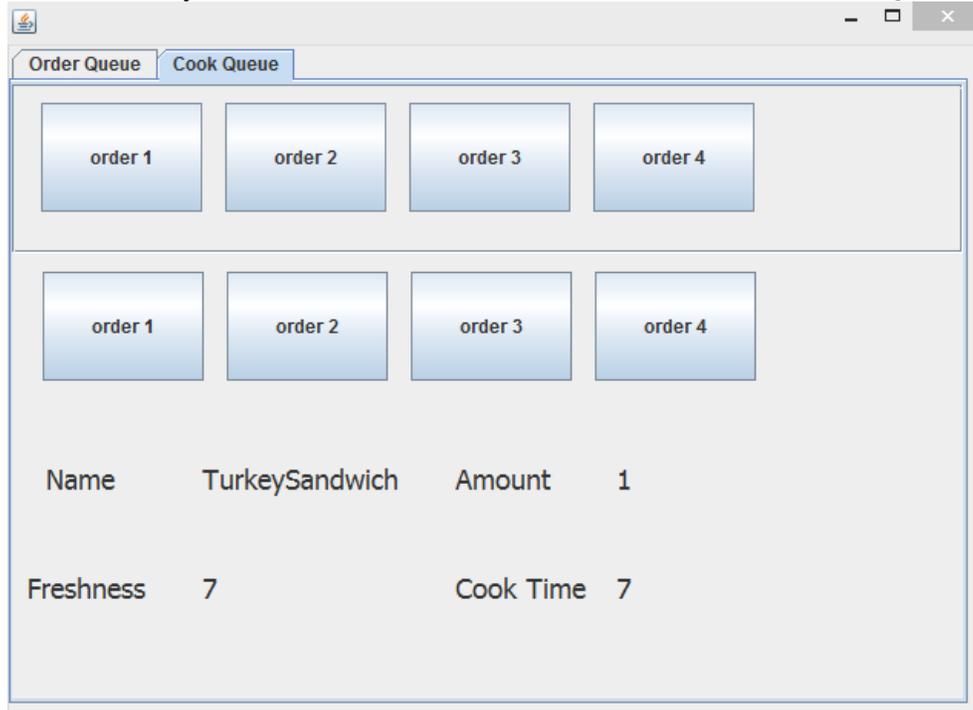
We then go back to the Manager GUI to verify that the proper amounts have been subtracted from the proper ingredients in the inventory, shown below:



Next, we go to the Chef GUI to check that our customer's orders are in the Order Queue. This is shown below:



After the orders have been verified, we select them to be cooked. Then, we go to the Chef GUI's Cook Queue tab to verify that the orders have been transferred from the Order Queue:



Finally, click these orders to signify that they are finished cooking. Then, we go to the Waiter GUI and check the Delivery queue to verify that the orders have appeared here for the Waiter to deliver to the customers.



This completes the workflow test of our system.