**Howl Lot of Java Black Box Test Plan**

**Document Author(s): Claire Davis**

**Date: 10/13/2020**

**Introduction**

To run the tests:

1. Right click on the GUI class in the Package Explorer.
2. Select Run As > Java Application

All tests files are located in the test-files folder and the contents of the files used in testing are below:

*test-files/data1.txt*

1500

# Sarah,Heckman,sesmith5

# James,Tetterton,jctetter

# Ignacio X.,Dominguez,ignacioxd

\* T1,Tea,Chai Latte,3

\* C1,Coffee,Large Coffee,2.5

\* P1,Pastries,Donut,2.0

- 1500,jctetter,T1,T1,P1

- 152,sesmith5,P1,C1,P1,T1,P1

- 151,ignacioxd,T1

**The tests are able to be run one after the other if there are no failures.**

|  |  |  |  |
| --- | --- | --- | --- |
| **Test ID** | **Description** | **Expected Results** | **Actual Results** |
| Test 1: Load System file | **Preconditions: None**   1. With the GUI running, click File>Load From File 2. Under the folder test-files, search for Data1.txt 3. Open the file 4. View results | The Customer window shows the customers from the file  Ignacio X. Dominguez (ignacioxd)  Sarah Heckman (sesmith5)  James Tetterton (jctetter)  The Orders window shows the orders pulled from the file  #151 for Ignacio X. Dominguez – Total: $3.0  #152 for Sarah Heckman – Total: $11.5  #1500 for James Tetterton – Total: $8.0 | The customers and the menu items are displayed as expected |
| Test 2:  Add Menu Item | **Preconditions: Test 1 passed**   1. From the main window of the GUI, click the button that says “Manage Menu” 2. View results 3. Click the button that says “Add Menu Item” 4. Enter    1. Type as “Coffee”    2. Name as “Espresso”    3. Price as “1.5” 5. Click the button “Add Item” 6. View results | When the button is pressed, a new menu called Manage Menu opens with the completed menu displayed  (Coffee) Large Coffee - $2.5  (Tea) Chai Latte - $3.0  (Pastries) Donut - $2.0  When the new menu item is added, the menu is updated to reflect the new addition  (Coffee) Large Coffee - $2.5  (Coffee) Espresso - $1.5  (Tea) Chai Latte - $3.0  (Pastries) Donut - $2.0 | A window opens called Manage Menu.  When the menu item is added, its details are added to the Menu Item list under (Coffee) Large Coffee - $2.5 |
| Test 3: Editing a Menu Item | **Preconditions: Test 1**   1. From the Manage Menu window of the GUI, click menu item (Tea) Chi Latte - $3.0 2. In the input field Price, change the price to 2.5 3. Click the button that says “Edit Item” 4. View results | When the button is pressed, the selected menu item is updated, along with any orders that refer to that menu item  (Coffee) Large Coffee - $2.5  (Coffee) Espresso - $1.5  (Tea) Chai Latte - $2.5  (Pastries) Donut - $2.0 | The price of the Chai Latte is changed from 3.0 to 2.5 |
| Test 4: Remove an Invalid Menu Item | **Preconditions: Test 1**   1. From the Manage Menu window of the GUI, select the row of the menu that holds the (Coffee) Large Coffee - $2.5 2. Click the button that says “Remove Menu Item” 3. View results | When the button is pressed, an error message appears telling the user that a menu item can not be deleted while there is an open order containing that menu item. The menu does not change  (Coffee) Large Coffee - $2.5  (Coffee) Espresso - $1.5  (Tea) Chai Latte - $2.5  (Pastries) Donut - $2.0 | A message appears “Cannot delete a menu item that is part of an open order”. the list is unchanged. |
| Test 5: Remove a Valid Menu item | **Preconditions: Test 1**   1. From the Manage Menu window of the GUI, select the row of the menu that holds the (Coffee) Espresso- $1.5 2. Click the button that says “Remove Menu Item” 3. View results | When the button is clicked, the selected menu item is removed from the menu  (Coffee) Large Coffee - $2.5  (Tea) Chai Latte - $2.5  (Pastries) Donut - $2.0 | The menu item is removed from the menu item list. |
| Test 6: Add a Customer | **Preconditions: Test 1**   1. From the main menu of the GUI, click the button that says “Add Customer” 2. Enter    1. First Name as “Alice”    2. Last Name as “Davidson”    3. ID as “ad” 3. Click OK | The customer is added to the customer list ordered by last name, then first name  Alice Davidson (ad)  Ignacio X. Dominguez (ignacioxd)  Sarah Heckman (sesmith5)  James Tetterton (jctetter) | Alice Davidson is added to the front of the Customer list. |
| Test 7: Edit a Customer | **Preconditions: Test 1**   1. From the main menu of the GUI, select the row of the customer menu that has Sarah Heckman (sesmith5) 2. Click the button that says “Edit Customer” 3. Change the ID to “ses” 4. Click OK 5. View results | The ID of the selected customer is changed in the customer list and their orders are updated  The updated Customer menu  Alice Davidson (ad)  Ignacio X. Dominguez (ignacioxd)  Sarah Heckman (ses)  James Tetterton (jctetter)  The Orders menu is unchanged  #151 for Ignacio X. Dominguez – Total: $3.0  #152 for Sarah Heckman – Total: $10.0  #1500 for James Tetterton – Total: $7.50 | Sarah’s id is changed in the customer window to ses. her orders are unchanged. |

**Document Revision History**

|  |  |  |
| --- | --- | --- |
| **Date** | **Author** | **Change Description** |
| **10/13/2020** | Claire Davis | * Added test description and black box tests |
| **10/27/2020** | Claire Davis | * Ran tests on program and documented results |