TEST PLAN FOR ONLINE SALES PORTAL

1.Introduction:

The Primary goal of this software is to develop an Online Sales Portal. This test plan consist of the test steps needed to be performed along with Workflow how these test will be executed. We have excluded those test steps Which are not applicable to this specific problem.

1.1 Purpose

The purpose of this test plan is to check all the information and variables Governing the functioning of this software

- Identify the functional requirements.
- Validate the Graphical User Interface.
- Identify the System Requirements (JVM etc.).

1.2 Scope

This test plan will consist of Unit testing (WBT & BBT), Function testing (to validate the functional requirements given in the SRS of Customer and Manger) and User Interface Testing.

2. Target Test Items

2.1 User Interface Testing

There can be two approaches for this test. First, we can test the GUI manually by clicking all buttons and validating output. Secondly, we can write an automated script which can be run to validate all the GUI components. There are many software available for this purpose e.g. Abbot. But we will not adopt automated testing for this problem.

2.2 Function Testing

This testing will test all the function requirement of the software.That is what all function Manager and Customer can perform. This is a type of Black Box Testing.

FUNCTIONAL TEST PLAN

Test	Buyer(Customer)	Seller(Customer)	Manager	Remarks
Search Item			X	Checks whether Item is displayed according to the search name?
Manage Item	X			Checks whether Seller can Manage his own Uploaded Item? Checks whether Manager can manage all the uploaded items.
Buy		X	X	Checks whether Buyer can negotiate on Current Price and buy the particular item.
Pay		X	X	Checks buyer can pay online using pay pal.
Customer Account				Checks whether Customer can edit his own account. Checks Manager can remove Customer account
Manager Account	X	X		Checks Manager can edit his account
Upload Item	X		X	Checks Seller can upload Item successfully.
Add Category	X	X		Checks Manager can Add new Category. Checks No two Category should have similar name
Delete Category	X	X		Checks Manager can delete a category iff it is empty .i.e. no item is present in that category.
Login				Checks whether User Login with correct password and username only.

Signup				Checks whether User can successfully Signup
Audit	X	X		Checks Manager can perform Audit i.e. View Purchase List.
Sign-out				Checks whether User can successfullySign-out and return to Login Page.
Email	X	X		Checks Manage can send email successfully
Heavy Item				Checks that User cannot Buy heavy item unless he is in Same city as that of item.

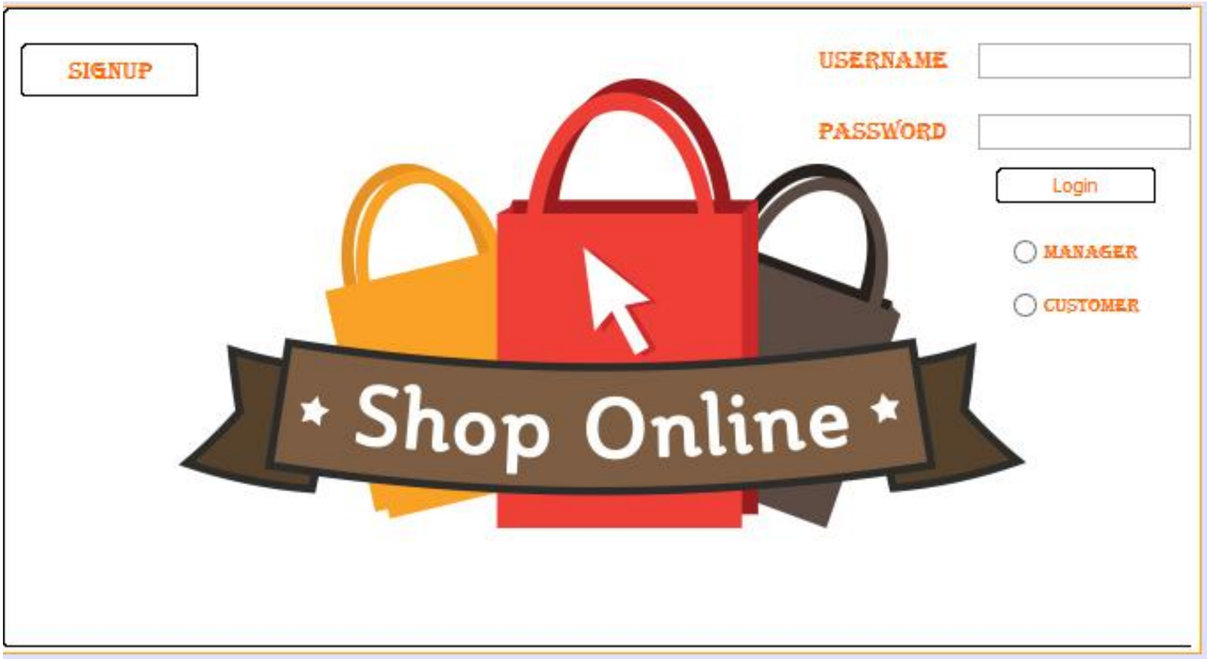
2.3 Constraints Checking

Date of Birth	Required to check whether its valid date or not
Telephone Number	Required to check it should be a number
Field Checking	Required to check mandatory Fields should not be left blank else message should be displayed
Email	Required to check whether its valid email
Age	Required to check that it should be number

3.1 User Interface Testing

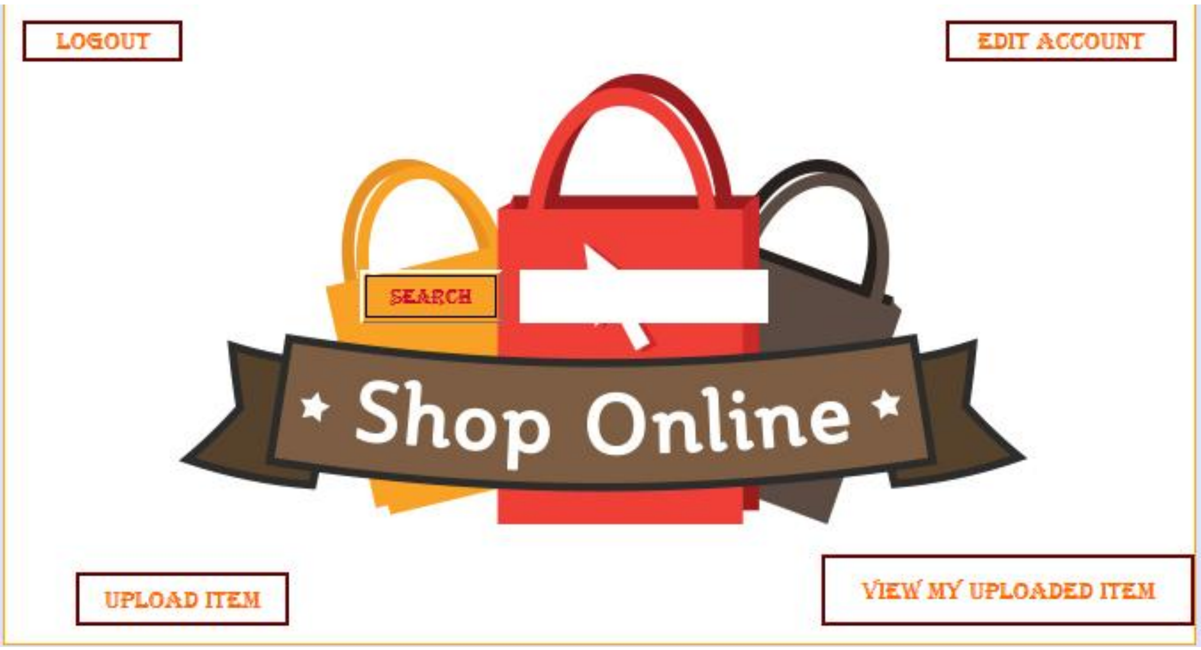
To test the User Interface, each function of the GUI must be tested either manually or by automatic techniques. We will describe here only the manual techniques

In the main window.



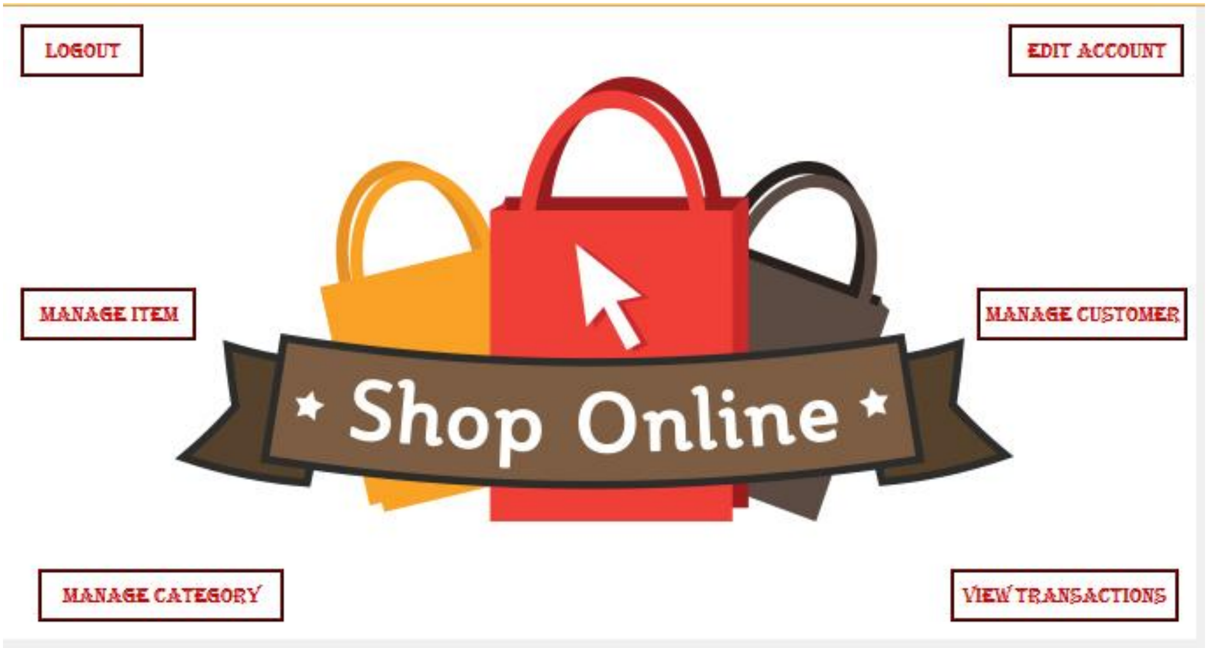
What is tested?	All those components which are interacting with the user (Buttons, JOptionPanes, JList).
Inputs	• User clicks on Sign up button • User clicks on Login • User clicks on Manager/Customer Button
Expected Result	Each and Every time a new Panel must open with appropriate message if some wrong data has been filled up
Actual Outcome	All results matched with the expected result.

In the Customer Panel.



What is tested?	All those components which are interacting with the user (Buttons, JOptionPanes, JList).
Inputs	• User click on Logout Button • User click on Upload Item • User click on Edit account • User click on Search option • User click on View my Uploaded Item
Expected Result	Each and Every time a new Panel must open with appropriate message if some wrong data has been filled up
Actual Outcome	All results matched with the expected result.

In the Manager Panel.



What is tested?	All those components which are interacting with the user (Buttons, JOptionPanes, JList).
Inputs	• User click on Logout Button • User click on Edit account • User click on Manage Customer • User click on Manage Item • User click on Manage Category Option • User Clicks on View Transaction Button
Expected Result	Each and Every time a new Panel must open with appropriate message if some wrong data has been filled up
Actual Outcome	All results matched with the expected result.

3.3 White Box Testing

In the White Box Testing, we will verify that all the paths in a function
are correct through basic path testing WBT for different functions and actions
arefollowing,

WBT for Action*__BUY__*in Buyer Panel (function`jLabel76MouseClicked)`

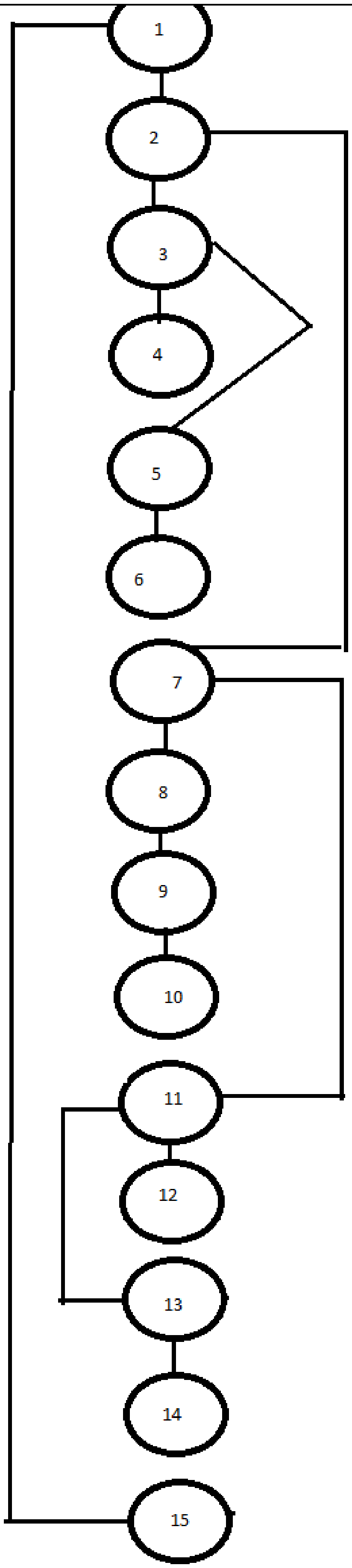
Code Segments

```
Line1:if(!(data.listItem.get(i).weight==2&&(!(data.listItem.get(i).
city.equalsIgnoreCase(data.listCustomer.get(m).city)))))
{
Line2:if(data.listItem.get(i).status==1){
bid=Float.parseFloat(JOptionPane.showInputDialog("Enter The Bid
price"));
Line3:if(bid<=data.listItem.get(i).price)
       {
Line4:     //change bid price
        }
Line5:else
Line6:     //show message

            }
Line7:else if(data.listItem.get(i).status==2)
            {
Line8:          n=JOptionPane.showConfirmDialog(null,"You cannot set
the bid price \nThis item is now non negotiable\nDo you wanna Buy
it? ");

Line9:if(n==JOptionPane.YES_OPTION)
Line10:       {//Pay using paypal
data.changeStatus(ID,4);
                 //Update Buyer
               }
            }
Line11:else if(data.listItem.get(i).status==3)
Line12:            {//Pay using paypal
data.changeStatus(ID,4);
                 //Update Buyer}
Line13:else if(data.listItem.get(i).status==4)
            {
Line14:JOptionPane.showMessageDialog(null,"Sorry!!!! This Item has
been sold out");
            }
}
Line15:else
JOptionPane.showMessageDialog(null,"Heavy Item different city not
allowed");
```

Path Diagram


1
2
3
4
5
6
7
8
9
10
11
12
13
14
15

Independent path:6

1-15(Test case: when item is heavy and buyer is not in same city as that of item)

1-2-3-4 (Test Case: When status is 1 i.e. when buyer sets the bid price and bid price is more than the current bid price)

1-2-3-5-6(Test Case: When status is 1 i.e. when buyer sets the bid price and bid price is less than the current bid price)

1-2-7-8-9-10 (Test Case: When status is 2 i.e. when seller doesn’t want to change the bid price of his item then buyer has to buy the item at that price only)

1-2-7-11-1210 (Test Case: When status is 3 i.e. when item has been approved and buyer can buy it and purchase the price)

1-2-7-11-13-1410 (Test Case: When status is 4 i.e. when item has been sold out)

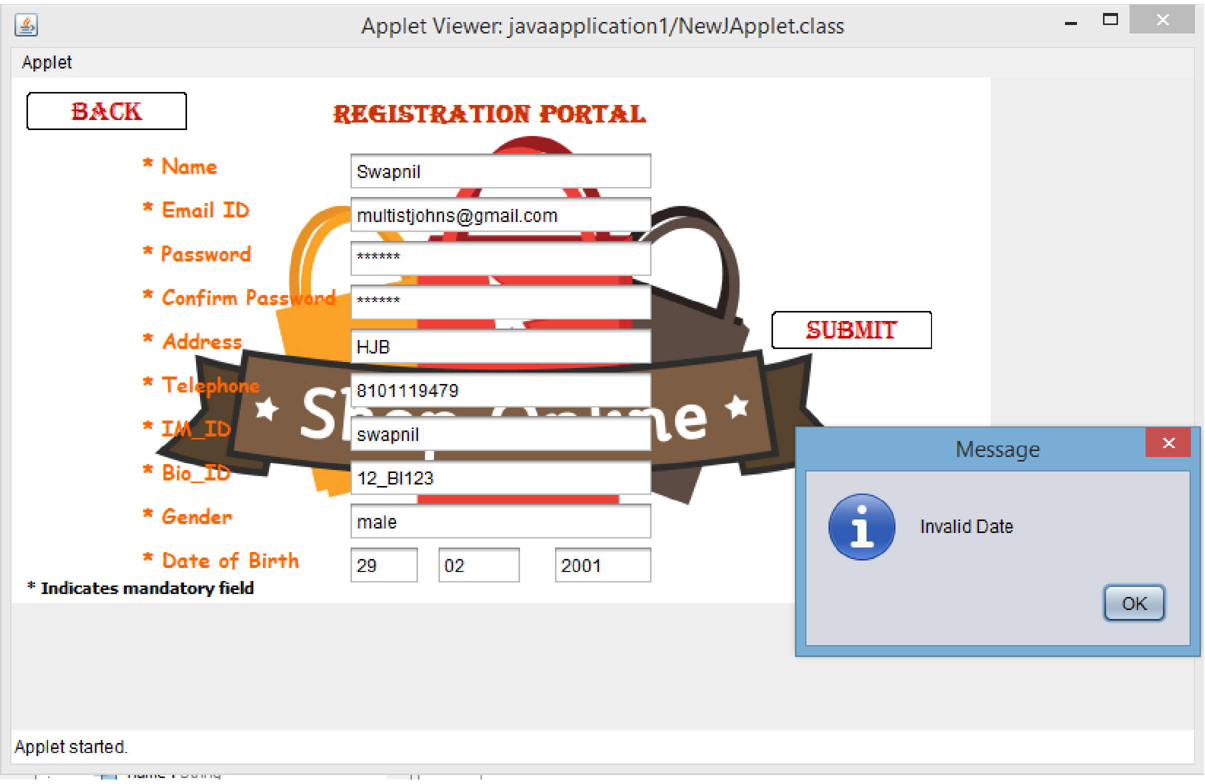
Test Result:

All the above test cases tested and actual output matches exactly as the expected outcome

3.4 Constraints Checking

Constraints	Remarks	Test Data	Expected Result	Actual Outcome
Date of Birth	Required to check whether its valid date or not	All boundary cases. 29th 02 2000 29th 02 2001 31st 04 2001 12th 13 2010	• Accept • Reject • Reject • Reject	• Accept • Reject • Reject • Reject
Telephone Number	Required to check it should be a number	Tets20121 9384958694 3jkfl-,	• Reject • Accept • Reject	• Reject • Accept • Reject
Field Checking	Required to check mandatory Fields should not be left blank else message should be displayed	Each of the mandatory field were left blank one by one	Error message should be displayed	Error message displayed
Email	Required to check whether its valid email	multistjohns@gmail.com multistjohns%gmail.com multistjohns@gmail,com	• Accept • Reject • Reject	• Accept • Reject • Reject
Age	Required to check that it should be number	One 10	• Reject • Accept	• Reject • Accept

Screen Shot of Invalid Date of Birth



Applet Viewer: javaapplication1/NewJApplet.class

Applet

REGISTRATION PORTAL

* Name Swapnil
* Email ID multistjohns@gmail.com
* Password ******
* Confirm Password ******
* Address HJB
* Telephone 8101119479
* IM_ID swapnil
* Bio_ID 12_BI123
* Gender male
* Date of Birth 29 02 2001

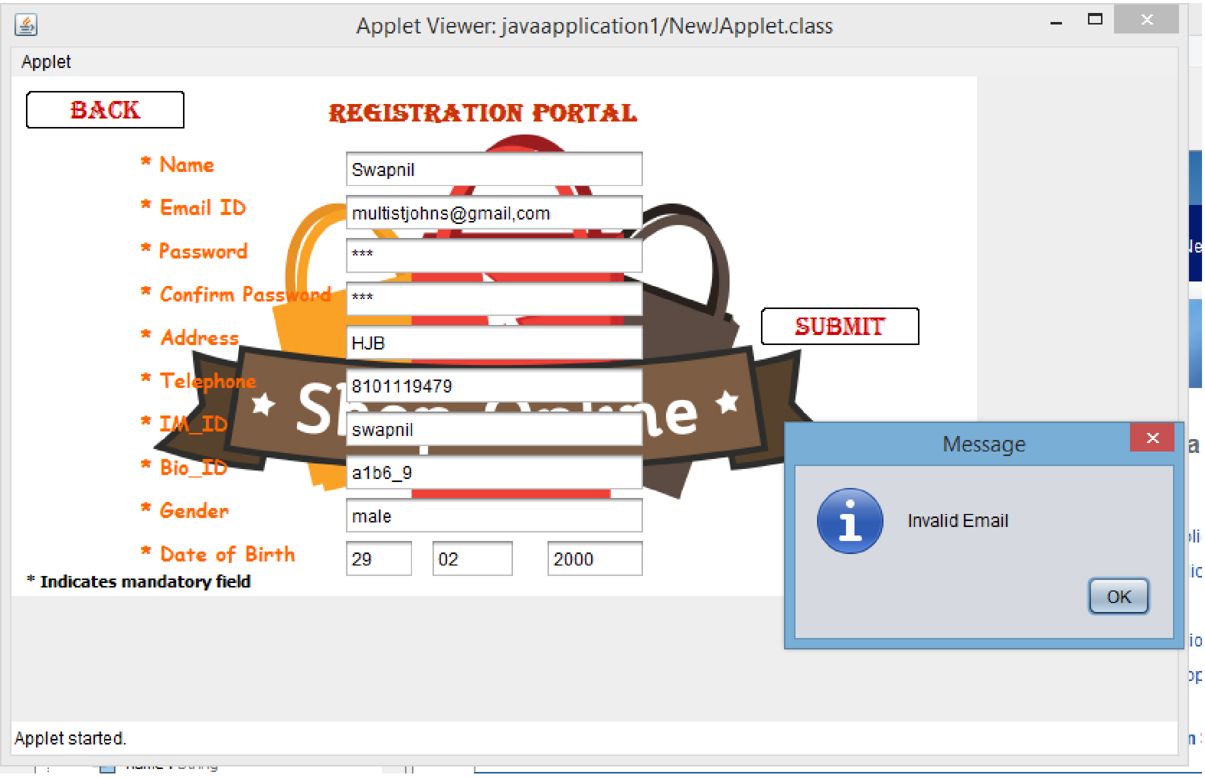
* Indicates mandatory field

Message

Invalid Date

Applet started.

Screen Shot of Invalid Email



Applet Viewer: javaapplication1/NewJApplet.class

Applet

REGISTRATION PORTAL

* Name Swapnil
* Email ID multistjohns@gmail,com
* Password ***
* Confirm Password ***
* Address HJB
* Telephone 8101119479
* IM_ID swapnil
* Bio_ID a1b6_9
* Gender male
* Date of Birth 29 02 2000

* Indicates mandatory field

Message

Invalid Email

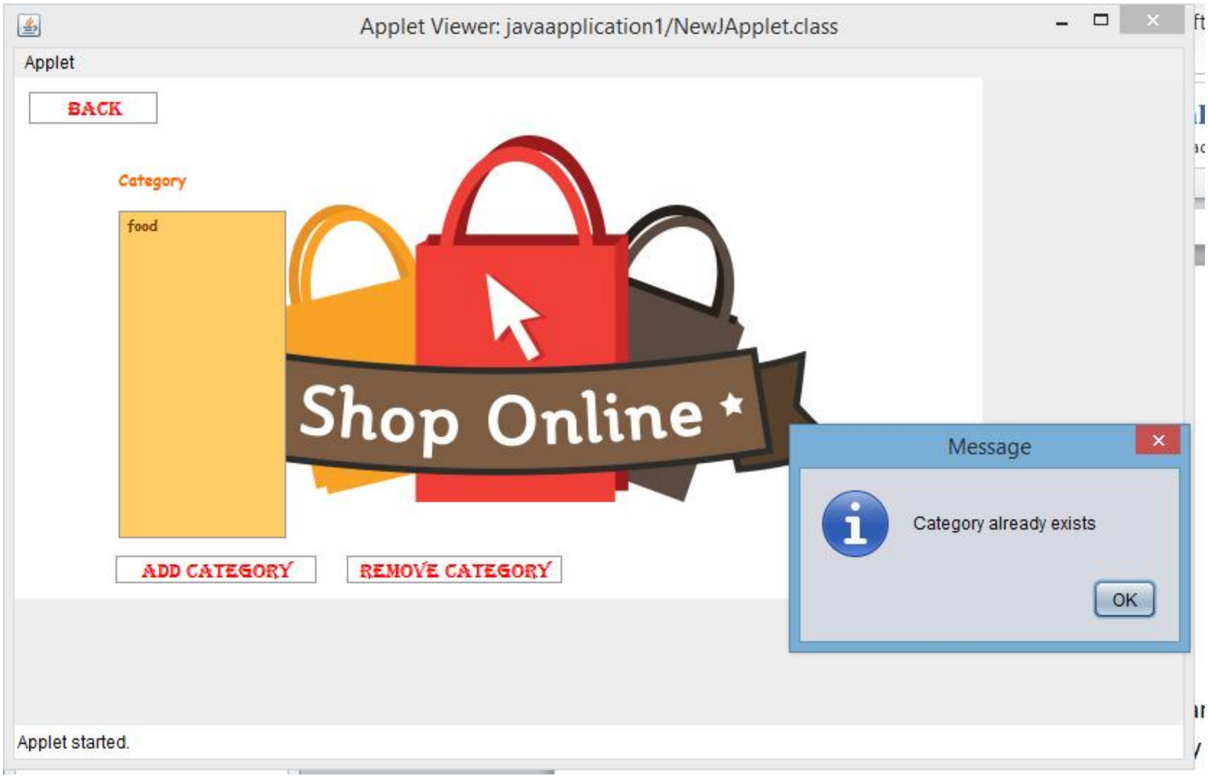
Applet started.

3.5 Function Testing

Using Exhaustive Test Cases which includes name of 2 Manager, 3 Customer And 3 items Each, We checked Each and every functions of Customer (Buyer and Seller) thoroughly, And Test Results are coming exactly same as expected results.

Example:

Two category of same names are not allowed



Category already exists

Applet started.