

Main Dashboard Page

Element Name	Action	Expected Result	Actual Result
System (Java NetBeans)	Click run button	Displays main dashboard	Performed As expected
Administrator's module	Click on administrator	Displays administrator's login page	Performed As expected
Staff Module	Click on staff member's module	Displays staff member's login page	Performed As expected
Sign Up Module	Click on sign up module	Displays sign up page	Performed As expected
Close	Click on close option	Exits the system	Performed As expected

Admin's Login Page

Element Name	Action	Expected Result	Actual Result
First Name textbox	Admin types his/her name	Textbox accepts admin's name	Performed As expected
Password field UI	Admin types his/her password	Corrects password accepted	Performed As expected
Sign In button	Click sign in	Displays admin's dashboard	Performed As expected

Reset button	Click reset button	Erase the values in the textboxes	Performed As expected
Back button	Click back button	Displays the main dashboard again	Performed As expected
Close button	Click close button	System is closed	Performed As expected
Security	Anonymous user enters false data to the system	Denies login request	Performed As expected

Admin's Dashboard Page

Element Name	Action	Expected Result	Actual Result
Inventory	Click on inventory	Displays inventory module	Performed As expected
Sales	Click on sale's module	Displays sale's module	Performed As expected
Employee record	Click on employee record module	Displays employee record module	Performed As expected
Close	Click on close option	Exits the system	Performed As expected

Inventory Module

Element Name	Action	Expected Result	Actual Result
Inventory	Click on a row in inventory	Displays product's details in relevant textboxes	Performed As expected
Product's image	Click on a row in inventory	Displays product's image	Performed As expected
Left arrow	Click on the left arrow button	Displays the data of the previous row in the relevant textboxes	Performed As expected
Right arrow	Click on the right arrow button	Displays the data of the next row in the relevant textboxes	Performed As expected
Double left arrows	Click on the double left arrows button	Displays the data of the first row in the relevant textboxes	Performed As expected
Double right arrows	Click on the double right arrows button	Displays the data of the last row in the relevant textboxes	Performed As expected
Delete button	Click on button when a product is selected	Deletes the selected row from the inventory table	Performed As expected

Back button	Click on button	Displays admin's module	Performed As expected
Close	Click on close option	Exit the system	Performed As expected

Sale's Module

Element Name	Action	Expected Result	Actual Result
Inventory table	Clicks on a row in inventory	Displays product's details in relevant textboxes	Performed As expected
Operator text box	Log in	Displays the name of the logged in user	Performed As expected
Select Product button	Click on the button	Add selected product to the sale's table	Performed As expected
Cancel selected product button	Select the product in the sale's table and click on the button	Deletes the product from the sale's table and add it back to the inventory table	Performed As expected
Net total text box	Select a product from the inventory table	Displays the net total of the products in the Sale's table	Performed As expected

Discount drop down list (Combo box)	Select a discount value from the list by clicking	Displays the price of the product after the deduction of the discount	Performed As expected
Amount text box	Select discount	Displays the updated price of the product	Performed As expected
Cash paid text box	User types in the amount received from the customer	Only allows numeric values	Performed As expected
Client name text box	User types in the client's name	Lets the user type in the name	Performed As expected
Counter drop list (Combo Box)	User clicks on the list to select a counter	Display the selected counter on the list	Performed As expected
Payment check box	User checks it	Approves it	Performed As expected
Cash back text box	User clicks on the buy button	Display the remainder amount	Performed As expected
Buy button	User clicks on it once the all the information is provided	Writes the receipt and clears out all the textboxes , lists and sale's table	Performed As expected
Print button	User clicks on it once the receipt is written	Prompts the option to select a printer	Performed As expected

Clear receipt button	User clicks on it	Clears the receipt	Performed As expected
Back to admin's dashboard button	User clicks on it if the receipt and sale's table is empty	Displays the admin's dashboard if the user logged in is the admin	Performed As expected
Close button	Click on close option	Exits the system if the receipt and sale's table is empty	Performed As expected

Employee's Record Module

Element Name	Action	Expected Result	Actual Result
Record table	Clicks on a row in record table	Displays employee's details in relevant textboxes and check box	Performed As expected
User name text box	Admin clicks on it	Prevents the admin from editing it	Performed As expected
First name text box	Admin clicks on it	Allows admin to edit it	Performed As expected
Last name textbox	Admin clicks on it	Allows admin to edit it	Performed As expected
Age text box	Admin clicks on it	Allows admin to edit it and accepts only numeric values	Performed As expected
Gender check box	Admin clicks on	Checks the selected check box	Performed As expected

Address text box	Admins types in the address	Accepts all values	Performed As expected
Phone number text box	Admin types in the numeric values	Only allows numeric values	Performed As expected
Password text box	Admin types in the password	Displays the typed letters in asterisk	Performed As expected
View password checkbox	Admin clicks it	Decrypts the password and displays it in the password text box	Performed As expected
Update button	User clicks on it once a change in the record is made	Updates the record and displays it in the record table	Performed As expected
Delete button	User clicks on it once a record in the table is selected	Deletes the record and removes it from the record table	Performed As expected
Reset button	User clicks on it	Clears all the text boxes and the deselects the boxes	Performed As expected
Back to admin's dashboard button	Admin clicks on it if the receipt and sale's table is empty	Displays admin's dashboard and exits the employee record module	Performed As expected
Close button	Click on close option	Exits the system	Performed As expected

Staffer's Login Page

Element Name	Action	Expected Result	Actual Result
User name textbox	Staffer types his/her name	Textbox accepts staffer's name	Performed As expected
Password field UI	Staffer types his/her password	Correct password accepted	Performed As expected
Sign In button	Click sign in	Displays sale's module and places the staffer's name in the operator text box	Performed As expected
Reset button	Click reset button	Erase the values in the textboxes	Performed As expected
Back button	Click back button	Displays the main dashboard again	Performed As expected
Close button	Click close button	System is closed	Performed As expected
Security	Anonymous user enters false data to the system	Denies login request	Performed As expected

Employee's Sign Up Page

Element Name	Action	Expected Result	Actual Result
User name text box	Employee types in the user name	Accepts all values	Performed As expected
First name text box	Employee types in the first name	Accepts all values	Performed As expected
Last name textbox	Employee types in the last name	Accepts all values	Performed As expected
Age text box	Employee types in numeric values	Accepts only numeric values	Performed As expected
Gender check box	Employee clicks on	Checks the selected check box	Performed As expected
Address text box	Employee types in the address	Accepts all values	Performed As expected
Phone number text box	Employee types in the numeric values	Only allows numeric values	Performed As expected

Password text box	Employee types in the password	Displays the typed letters in asterisk	Performed As expected
View password checkbox	Employee clicks it	Decrypts the password and displays it in the password text box	Performed As expected
Sign up button	Employee clicks on it	Prompts an error dialogue If the user name provided matches with a pre-existing user name otherwise it registers the employee and displays two dialogues (first one displays the confirmation the second one displays the user name)	Performed As expected
Clear all button	User clicks on it	Clears all the text boxes and deselects the boxes	Performed As expected
Back button	Employee clicks on	Displays the main dashboard and exits the sign up module	Performed As expected
Close button	Employee clicks on close option	Exits the system	Performed As expected

Conclusion

I would conclude that the testing stage of the life cycle was a complete success. As seen above I broke the system down in to modules and broke the module down in to the smallest of its components in order to completely eliminate the bugs that this system initially contained.