

SYSTEM DEVELOPMENT AND TESTING

TESTING

OBJECTIVES

After developing the software it was time to test and see if every feature was fully functional. A simple test plan involving every form was used, it will involve the layout of what the form is supposed to do and a recorded pass or fail depending on how it does.

There are a total of about 20 forms with about five that mainly serve the function of a switchboard to give the application that professional feeling the user has asked for.

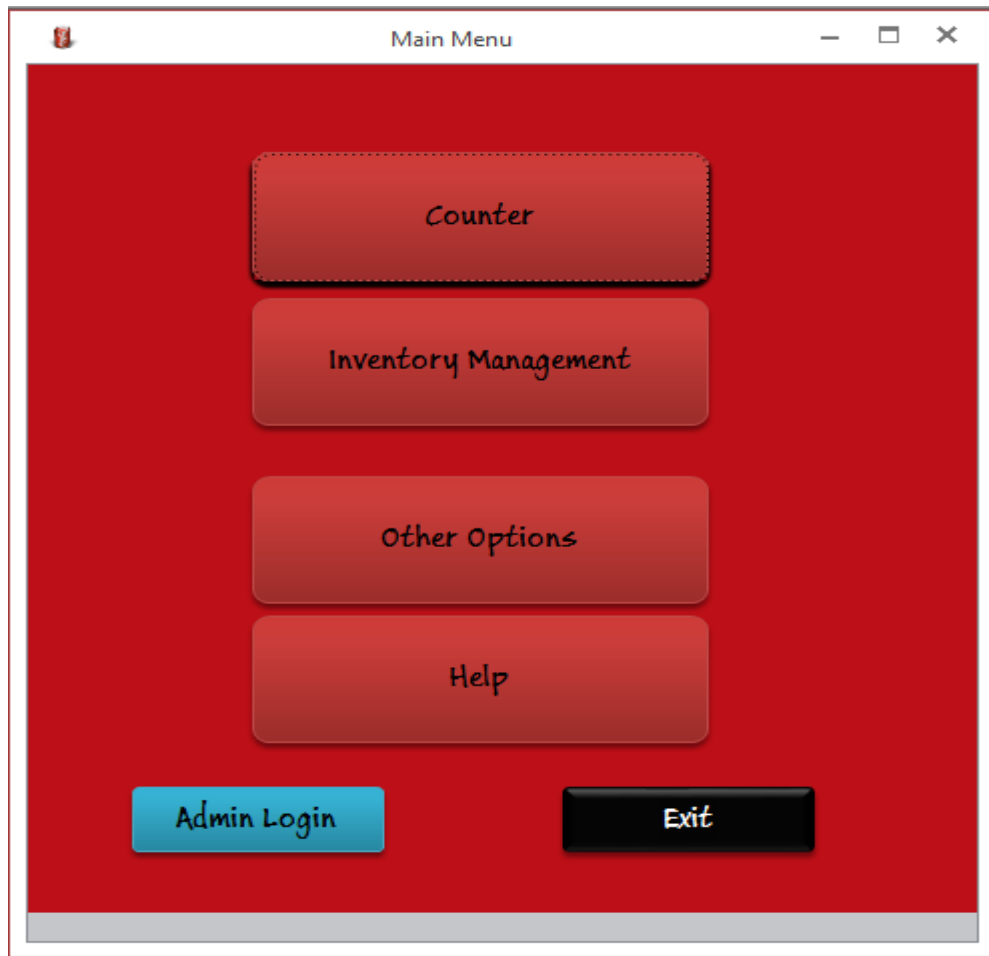
Since the switchboard forms require less detail and data tracking to test it seemed logical to start with testing them first. Some of the forms were tested in window mode to ensure that the user.

SWITCHBOARD FORMS

- The testing of the switchboard buttons though is done in general as they are used by the user to navigate from form to form.
- The switchboard form testing will mainly be restrictions and status notifications on special events and special forms.

MAIN MENU FORM

- The main menu form is the one that greets the user under normal login circumstances (No Reorder Products, Normal login credentials).
- This form has four buttons, 2 go to other switchboards where by the first one is supposed to go to the main interface, the second button to the inventory switchboard, the third to the “others menu” and last the special help menu with an admin login status notification/button and an exit button.



Tests

Test No	Test Subject	Test Description	Changes Expected	Forms/ Table data involved	Pass/ Fail
1	Re-Order Notification	If there are products that need to be reordered the system has a pop up list on login that notifies the user of the products needed for reorder	If there is at least one product that needs re ordering the list should pop up on load	Reorder list sub-form and the reorder query	Pass
2	Admin Login Main menu button/ status notification	When the admin logs in the main menu admin login button should turn into a disable admin rights button indicating all permissions being granted	When admin logs in disable admin rights button shows and when normal password login the admin login button shows	Static values table and main menu form	Pass
3	Working Buttons	Test the four buttons to see if they open their	When a button is pressed the main menu	Main menu	Pass

		respective forms when they are pressed	will close and the menu suggested in the name of the button will open	form and the four forms in the main menu	
--	--	--	---	--	--

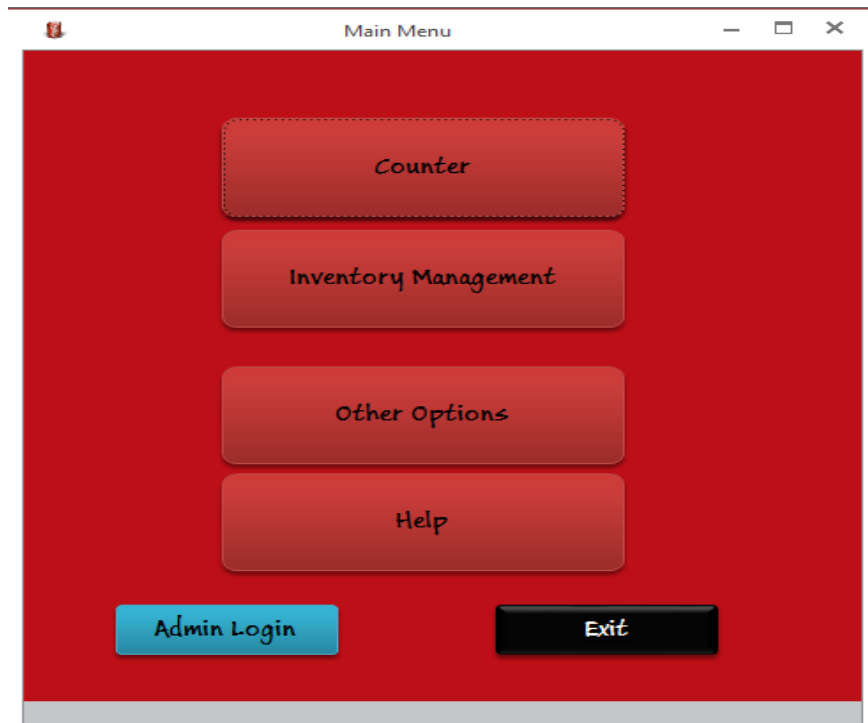
Test Evidence

1. RE ORDER NOTIFICATION TEST

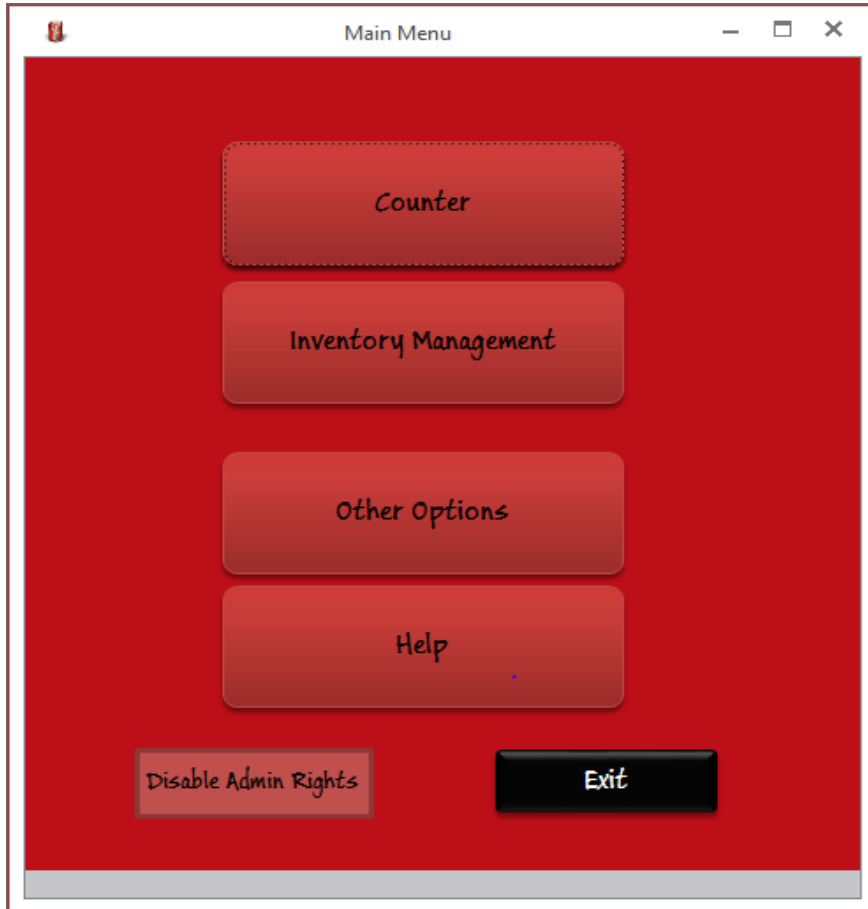


2. ADMIN LOGIN BUTTON NOTIFICATION TEST

A. THIS IS WHEN THE NORMAL LOGIN HAS BEEN DONE.



B. THIS IS WHEN THE ADMIN LOGIN HAS BEEN DONE.



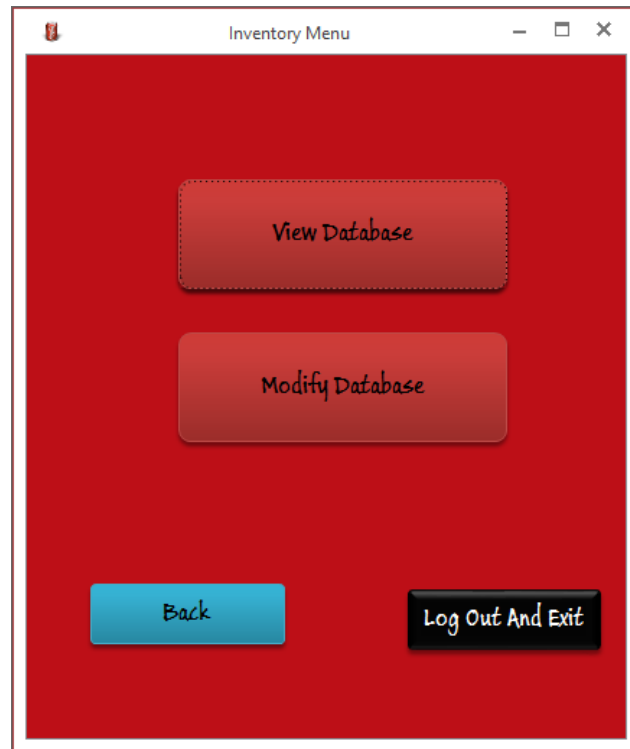
- C. THIS IS WHEN THE ADMIN LOGIN IS DONE AND THE DISABLE RIGHTS BUTTON HAS BEEN PRESSED.



3. THE EVIDENCE FOR THE BUTTON OPENING OF THE OTHER FORMS IS PROVEN WHEN THE TESTING IS DONE FOR THE INDIVIDUAL BUTTONS SINCE THAT'S THE ONLY WAY TO NAVIGATE TO THEM.

INVENTORY MANAGEMENT

- This is the switchboard that contains all the buttons that lead to the forms where changes can be made to the database tables.
 - These changes consist off adding, editing and deleting products.
 - These changes consist of adding orders.
- These forms however should be restricted disregarding the view database that shows the product table and locks editing.

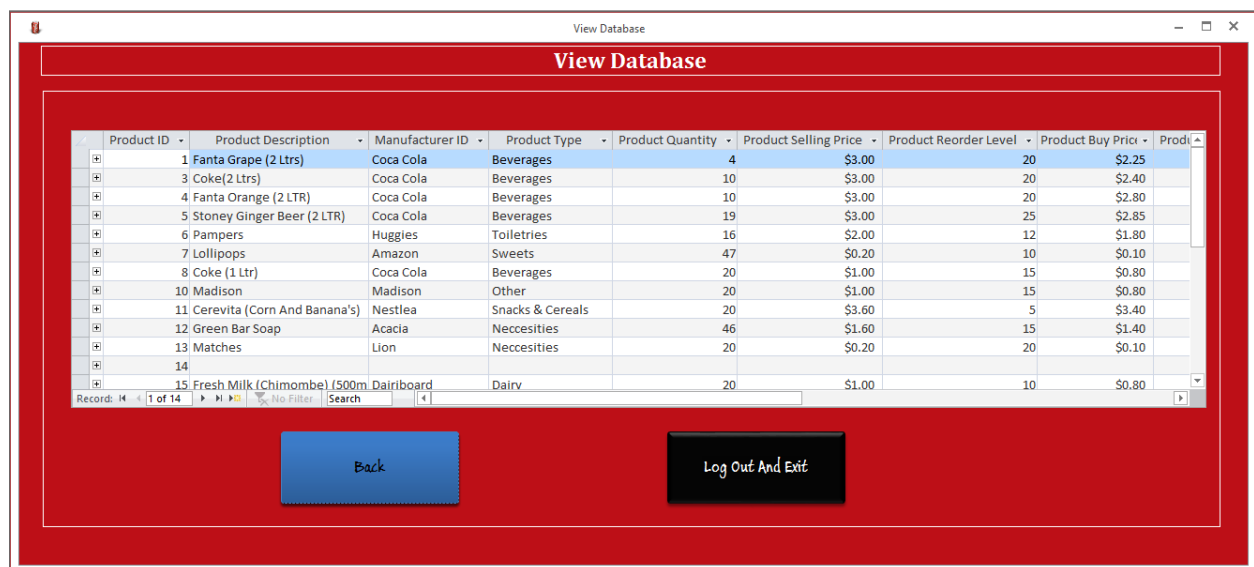


Tests

Test No	Test Subject	Test Description	Changes Expected	Forms/ Table data involved	Pass/Fail
1	View Database button	Clicking on this button should take us to the view database interface	Closing of the menu and opening of the view database	View database and inventory management form	Pass
2	Modify database button	Clicking should take us to the modify database switchboard	Closing of the menu and opening of the Modify switchboard	inventory management form and modify database form	Pass
3	Other buttons (Back & Exit)	Clicking on the buttons and seeing what's happening	Closing of the form and opening of the main menu(back button) Closing of the form and quitting (Exit)	inventory management form and main menu	Pass
4	Modify database admin restrictions	The modify database button will not let the user through unless the admin has logged in	A notification telling the user to login as admin if not	Modify database form and inventory management form static value table	Pass

Test Evidence

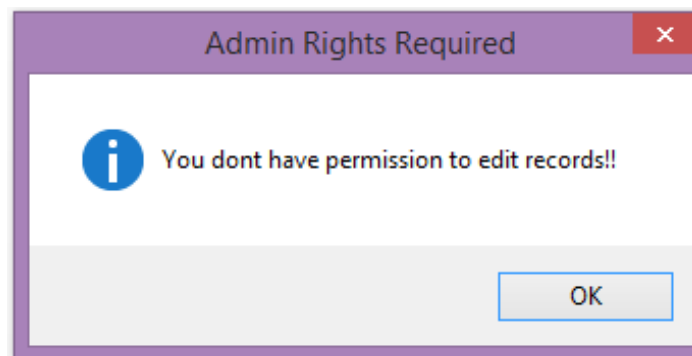
View database



The screenshot shows a window titled "View Database" with a red header bar. Below the header is a table with 10 columns: Product ID, Product Description, Manufacturer ID, Product Type, Product Quantity, Product Selling Price, Product Reorder Level, Product Buy Price, and Product. The table contains 15 rows of data. Below the table is a status bar showing "Records: 1 of 14" and a search box. At the bottom of the window are two buttons: "Back" and "Log Out And Exit".

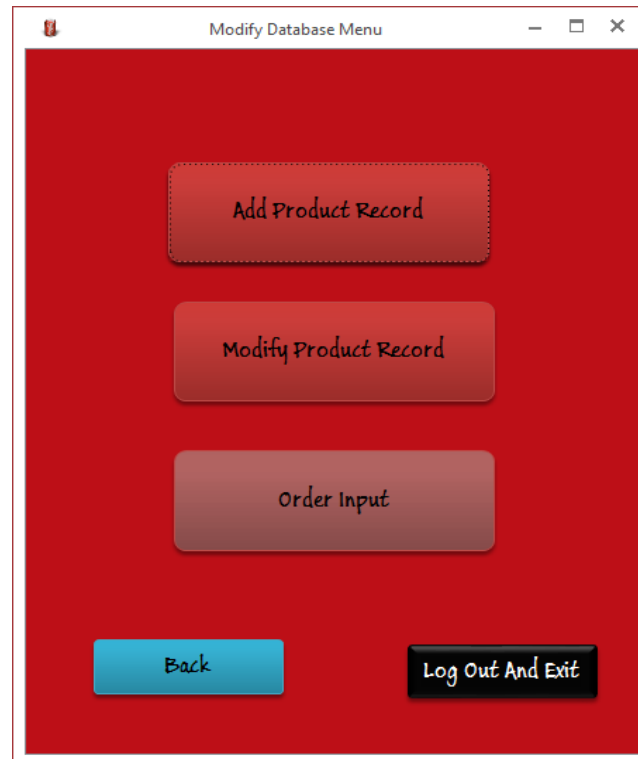
Product ID	Product Description	Manufacturer ID	Product Type	Product Quantity	Product Selling Price	Product Reorder Level	Product Buy Price	Product
1	Fanta Grape (2 Ltrs)	Coca Cola	Beverages	4	\$3.00	20	\$2.25	
3	Coke(2 Ltrs)	Coca Cola	Beverages	10	\$3.00	20	\$2.40	
4	Fanta Orange (2 LTR)	Coca Cola	Beverages	10	\$3.00	20	\$2.80	
5	Stoney Ginger Beer (2 LTR)	Coca Cola	Beverages	19	\$3.00	25	\$2.85	
6	Pampers	Huggies	Toiletries	16	\$2.00	12	\$1.80	
7	Lollipops	Amazon	Sweets	47	\$0.20	10	\$0.10	
8	Coke (1 Ltr)	Coca Cola	Beverages	20	\$1.00	15	\$0.80	
10	Madison	Madison	Other	20	\$1.00	15	\$0.80	
11	Cerevita (Corn And Banana's)	Nestlea	Snacks & Cereals	20	\$3.60	5	\$3.40	
12	Green Bar Soap	Acacia	Neccesities	46	\$1.60	15	\$1.40	
13	Matches	Lion	Neccesities	20	\$0.20	20	\$0.10	
14								
15	Fresh Milk (Chimombe) (500m	Dairiboard	Dairv	20	\$1.00	10	\$0.80	

1. MODIFY DATABSE SWITCHBOARD WHICH IS BEING TESTED OUT NEXT
2. THE BACK BUTTON RETURNS TO MAIN MENU AND CLOSES ITSELF, THE MAIN MENU TESTED IN THE EARLIER SECTION.
3. MODIFY DATABASE BUTTON RESTRICTIONS.



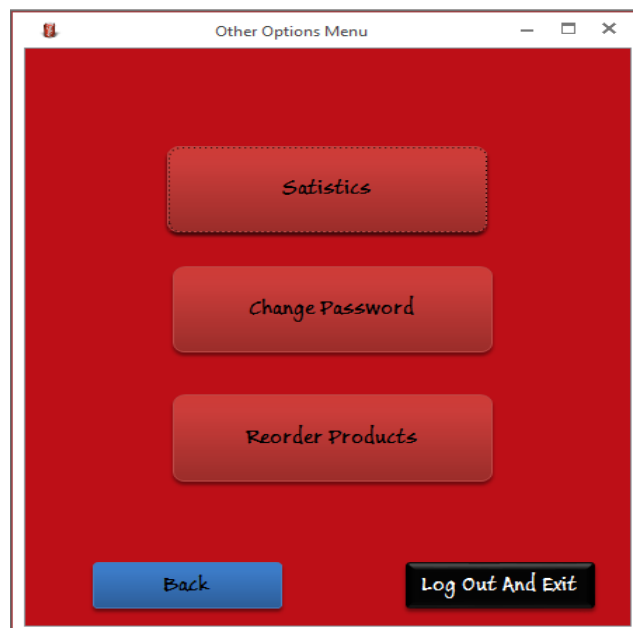
MODIFY DATABASE MENU

- This is the one that holds the links to all the forms that edit the tables.



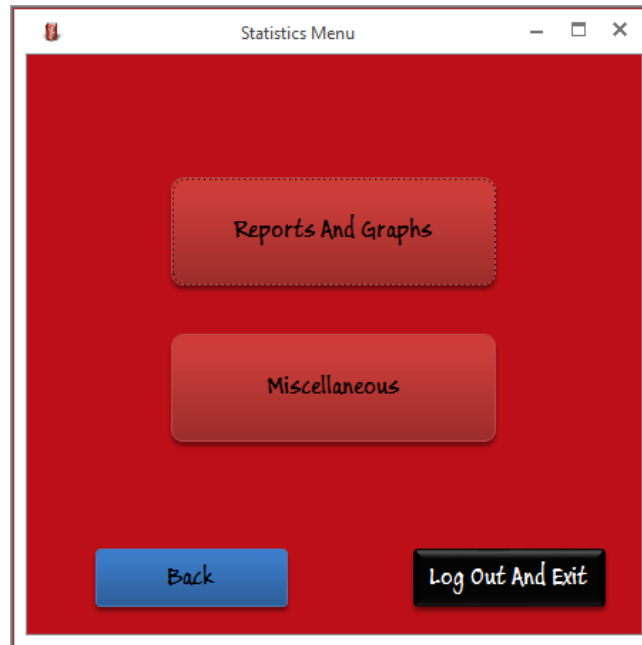
- The button testing evidence is shown when the testing of the individual forms suggested by the buttons because the only way to access them is via this form.

OTHER OPTIONS MENU



STATISTICS MENU

- The reports and graphs button should take the user to that form.
- The miscellaneous button will take the user to that form.
- The back and exit buttons have been tested before.
- The evidence is show in the testing of the forms.

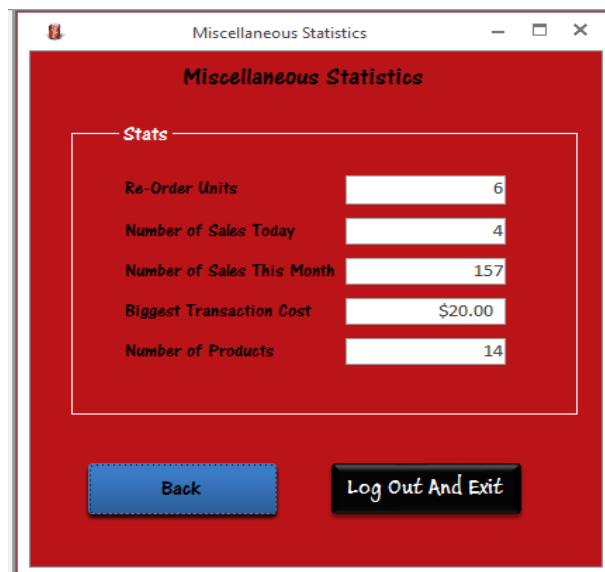


A screenshot of a software window titled "Statistics Menu". The window has a red background. In the center, there are two large, rounded rectangular buttons: "Reports And Graphs" (top) and "Miscellaneous" (bottom). At the bottom of the window, there are two smaller buttons: "Back" (left) and "Log Out And Exit" (right).

LIST FORMS

MISCELLANEOUS STATISTICS LISTS

- These contain just plain stats that the user asked for in the design.



A screenshot of a software window titled "Miscellaneous Statistics". The window has a red background. At the top, the title "Miscellaneous Statistics" is displayed. Below the title, there is a section labeled "Stats" which contains a list of statistics and their corresponding values in a table-like format. At the bottom of the window, there are two buttons: "Back" (left) and "Log Out And Exit" (right).

Stats	
Re-Order Units	6
Number of Sales Today	4
Number of Sales This Month	157
Biggest Transaction Cost	\$20.00
Number of Products	14

TESTING EVIDENCE

- Reorder Units("There are six records in the reorder query")

Product ID	Product Description	Manufacturer ID	Product Quantity	Product Selling Price	Product Reorder Level
1	Fanta Grape (2 Ltrs)	Coca Cola	4	\$3.00	20
3	Coke(2 Ltrs)	Coca Cola	6	\$3.00	20
4	Fanta Orange (2 LTR)	Coca Cola	10	\$3.00	20
5	Stoney Ginger Beer (2 LTR)	Coca Cola	19	\$3.00	25
6	Pampers	Huggies	12	\$2.00	12
13	Matches	Lion	20	\$0.20	20
(New)					

- Biggest Transaction Cost (\$20.00) (Descending order of subtotal which is taken from the transaction table)

Transaction ID	Transaction Date	Transaction Time	Sub Total
138	15/09/2015	21:47:04	\$20.00
74	12/09/2015	11:26:15	\$19.00
76	12/09/2015	15:57:16	\$16.00
117	14/09/2015	15:50:34	\$15.00
73	12/09/2015	10:40:35	\$14.00
78	12/09/2015	15:59:48	\$12.00
77	12/09/2015	15:58:00	\$12.00
26	11/09/2015	23:39:35	\$10.00
135	14/09/2015	22:20:48	\$9.00
88	14/09/2015	13:10:41	\$8.00
70	12/09/2015	10:37:55	\$8.00
72	12/09/2015	10:40:01	\$8.00
83	14/09/2015	08:02:11	\$7.00

- Number of products(Has a total of 14 records)

Product ID	Product Description	Manufacturer ID	Product Type	Product Quantity	Product Selling Price
1	Fanta Grape (2 Ltrs)	Coca Cola	Beverages	4	\$3.00
3	Coke(2 Ltrs)	Coca Cola	Beverages	6	\$3.00
4	Fanta Orange (2 LTR)	Coca Cola	Beverages	10	\$3.00
5	Stoney Ginger Beer (2 LTR)	Coca Cola	Beverages	19	\$3.00
6	Pampers	Huggies	Toiletries	12	\$2.00
7	Lollipops	Amazon	Sweets	47	\$0.20
8	Coke (1 Ltr)	Coca Cola	Beverages	20	\$1.00

- Daily Sales(Has a total of 2 records for the day)

SalesID	Transaction Date	Transaction Time	TransactionID	ProdID	QuantityBought	Sub Total
164	16/09/2015	08:21:17	139	Pampers	1	\$2.20
165	16/09/2015	08:21:17	139	Lollipops	1	\$2.20
166	16/09/2015	08:36:44	140	Fresh Milk (Chimombe) (500m	1	\$2.00
167	16/09/2015	08:36:44	140	Coke (1 Ltr)	1	\$2.00
(New)						

- Monthly Sales(has a total of 157 records)(the prod ID was empty because these transactions were testing)

SalesID	Transaction Date	Transaction Time	TransactionID	ProdID	SumOfQuantityBought	Sub Total
1	11/09/2015	22:27:36	3	Coke(2 Ltrs)	0	\$1
2	11/09/2015	22:28:26	4		0	\$1
3	11/09/2015	22:29:52	5		1	\$1
4	11/09/2015	22:31:22	7		0	\$1
5	11/09/2015	22:32:05	9		0	\$1
6	11/09/2015	22:33:56	10		0	\$4
7	11/09/2015	22:33:56	10		0	\$4

RE – ORDER LISTS

- This contains a list with the products that need reordering.
- It's just a plain list with some details and a button to the order input menu.

The screenshot shows a window titled "ReOrderListFRM" with a red background. Inside, there's a section titled "ReOrder Products" containing a table with three columns: "Product Name", "Product Quantity", and "Product Reorder Level". The table lists the following products:

Product Name	Product Quantity	Product Reorder Level
Fanta Grape (2 Ltrs)	4	20
Coke(2 Ltrs)	6	20
Fanta Orange (2 LTR)	10	20
Stoney Ginger Beer (2 LTR)	19	25
Pampers	11	12
Matches	20	20

Below the table are three buttons: "Back" (blue), "Order Input Menu" (orange), and "Log out and exit" (black).

Test

A simple test to see if the contents of the list exist in the reorder query and if they update.

Status: Pass

Test Evidence

The screenshot shows a window titled "Reorder Query" with a table containing the following data:

Product ID	Product Description	Manufacturer ID	Product Quantity	Product Selling Price	Product Reorder Level
1	Fanta Grape (2 Ltrs)	Coca Cola	4	\$3.00	20
3	Coke(2 Ltrs)	Coca Cola	6	\$3.00	20
4	Fanta Orange (2 LTR)	Coca Cola	10	\$3.00	20
5	Stoney Ginger Beer (2 LTR)	Coca Cola	19	\$3.00	25
6	Pampers	Huggies	11	\$2.00	12
13	Matches	Lion	20	\$0.20	20
*	(New)				

At the bottom, there's a status bar showing "Record: 1 of 6" and a search box.

- The records listed on the query match the contents of the list

Another test is to see if it updates when a product is ordered and then removed from the reorder list

Test Evidence

- Changing the stock level of matches to value 30 by literal means(Going to the table and updating)

13 Matches	Lion	Necessities	30	\$0.20	20	\$0.10	Picture
------------	------	-------------	----	--------	----	--------	---------

- Checking the reorder query (which updated itself as there are now 5 records)

Reorder Query						
Product ID	Product Description	Manufacturer ID	Product Quantity	Product Selling Price	Product Reorder Level	
1	Fanta Grape (2 Ltrs)	Coca Cola	4	\$3.00	20	
3	Coke(2 Ltrs)	Coca Cola	6	\$3.00	20	
4	Fanta Orange (2 LTR)	Coca Cola	10	\$3.00	20	
5	Stoney Ginger Beer (2 LTR)	Coca Cola	19	\$3.00	25	
6	Pampers	Huggies	11	\$2.00	12	
* (New)						
Record: 1 of 5						

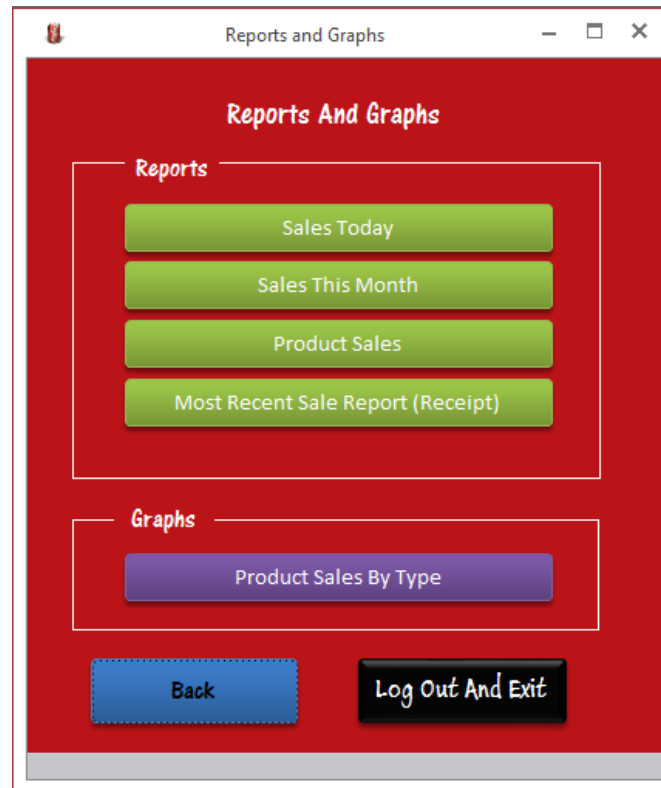
- Checking the reorder lists to see if they updated (They both passed)

ReOrder Products		
Product Name	Product Quantity	Product Reorder Level
Fanta Grape (2 Ltrs)	4	20
Coke(2 Ltrs)	6	20
Fanta Orange (2 LTR)	10	20
Stoney Ginger Beer (2 LTR)	19	25
Pampers	11	12

ReOrder Products		
Product Name	Product Quantity	Product Reorder Level
Fanta Grape (2 Ltrs)	4	20
Coke(2 Ltrs)	6	20
Fanta Orange (2 LTR)	10	20
Stoney Ginger Beer (2 LTR)	19	25
Pampers	11	12

REPORTS AND GRAPHS

- This is a statistics menu where it produces reports and graphs of the listed criteria.
- These reports will be tested after the forms



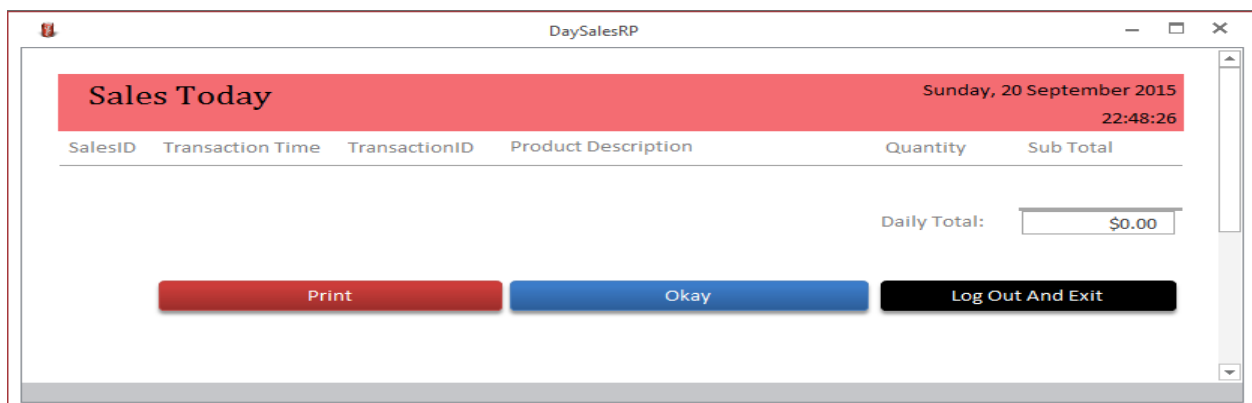
Test

- The only test on this page is to see if the reports actually opens.
- Any report can be picked and clicked on, if the report opens then it's a pass

RESULT: PASS

TEST EVIDENCE

THE REPORT OPENS AND SHOWS THE CORRECT DATA SINCE THERE WERE NO SALES



DATABASE MODIFICATION FORMS

These are the forms that are used to add/edit/delete records from every table excluding sales and transaction tables.

They appear in the “Modify database “section of the inventory management menu.

ADD RECORD FORM

- This is the form that is used to add records to the database.
- It adds records to the product table only in normal circumstances
- When there is a manufacturer exists already we call that a normal circumstance.
- If there is a new manufacturer it adds the manufacturer record to the manufacturer table and then sets the manufacturer to the new one.
- After editing the save button is clicked to clear fields after taking note of contents of the boxes (Saving the product record).
- Inventory management forms can only be accessed by the admin excluding orders form.

The screenshot shows a web application window titled "Add Record". Inside, there's a red header bar with the word "Product". Below this, the form contains several input fields and a radio button group. The fields are: "Product ID" (with a "New" button), "Product Description", "Manufacturer Status" (with radio buttons for "New Manufacturer" and "Existing Manufacturer"), "Manufacturer Name" (with a dropdown arrow), "Product Type" (with a dropdown arrow), "Product Quantity", "Product Selling Price", "Product Reorder Level", "Product Buy Price", and "Product Image" (a large empty box). At the bottom of the form are three buttons: "Back" (blue), "Add Record" (green), and "Log Out And Exit" (black).

Test

Test No	Test Subject	Test Description	Changes Expected	Forms/ Table data involved	Pass/ Fail
1	Adding a product with an existing manufacturer	A product will be added with an existing manufacturer and saved. Product table will be used to compare	A new record in product table	Product table and add product form	Pass
2	Adding a product with a new transaction	A product will be added with a new manufacturer and saved. Product table and manufacturer will be used to compare	New product table and manufacturer table record	Manufacturer table, product table and add product form	pass

Test Evidence

1. The product table updated itself with the same details typed into the form.
 - a. The message box pops up when the save is successful after the button is clicked on.

15	Fresh Milk (Chimombe) (500m	Dairiboard	Dairy	18	\$1.00	10	\$0.80	Picture
17	Sprite (1 Ltr)	Coca Cola	Beverages	25	\$1.00	10	\$0.80	Picture

- b. The sprite record was updated.
- c. With all its details.

2. The product table and manufacturer table got updated when the save button was clicked.

a. Save confirmation

15	Fresh Milk (Chimombe) (500m	Dairiboard	Dairy	18	\$1.00	10	\$0.80	Picture
17	Sprite (1 Ltr)	Coca Cola	Beverages	25	\$1.00	10	\$0.80	Picture
18	Cornflakes (1kg)	Kellogs	Snacks & Cereals	10	\$2.50	2	\$2.15	Picture
*	(New)							

b. Product table update.

Manufacturer ID	Manufacturer Description
1	Coca Cola
2	Huggies
3	Amazon
4	Madison
5	Nestlea
6	Acacia
7	Lion
8	Dairiboard
9	Kellogs

c. Manufacturer table update.

MODIFY RECORD FORM

- This is the form where product records that are in the product form either added before or added by the add record form can be modified and viewed in the case of a mistake or just to update buying price.

The screenshot shows a web application window titled "Modify product". Inside, there's a red header bar with the text "Modify Product". Below this, a section titled "Modify Item" contains several input fields and a dropdown menu. The fields are labeled "Product ID", "Product Description", "Manufacturer ID", "Product Type", "Product Quantity", "Product Selling Price", "Product Reorder Level", and "Product Buy Price". The "Product Image" field contains a small image of a Fanta bottle. Below the form, there are five buttons: "First Record", "Previous Record", "Delete Record", "Next Record", and "Last Record". Below these is a large orange button labeled "Find Record". At the bottom, there are three buttons: "Back", "Save Record", and "Log Out And Exit".

- There are also other buttons to help the user navigate through records and a find record button to search.

Test No	Test Subject	Test Description	Changes Expected	Forms/ Table data involved	Pass/Fail
1	Alternation of product details	A product will be made with the wrong details in the add product and then updated and saved.	The product details of the new product will change	Product table, add product record and modify product record	Pass
2	Finding of a product record	Because of the nature of the form it starts by showing detail on the first record in the table. Searching for a product somewhere in the middle of the file will prove the search function works	The product details should change to the one looked for	Product table, modify product form	Pass
3	Deletion of a record	A record (the one made in test 1) can be selected and the delete button can be clicked and the product is expected to be deletion	Product will be deleted from product table	Product table and modify product form	Pass

TEST EVIDENCE

1. TESTING THE MODIFICATION FUNCTIONS

A. THE PRODUCT ADDED FROM THE ADD RECORD FORM

The screenshot shows a web application window titled "Add Record". Inside, there's a form titled "Product" with various input fields. The fields are filled with the following data: Product ID (20), Product Description (Bath Soap), Manufacturer Status (New Manufacturer selected), Manufacturer Name (Geisha), Product Type (Necessities), Product Quantity (20), Product Selling Price (\$1.50), Product Reorder Level (5), Product Buy Price (\$1.25), and Product Image (a box of Geisha bath soap). At the bottom of the form are three buttons: "Back", "Add Record", and "Log Out And Exit". Overlaid on the right side of the form is a small dialog box titled "Request Successful" with an information icon and the message "Your record has been saved", with an "OK" button.

B. THE PRODUCT VIEWED IN THE MODIFICATION FORM

The screenshot shows a web application window titled 'Modify product'. Inside, there's a red header bar with the text 'Modify Product'. Below it, a section titled 'Modify Item' contains several input fields: 'Product ID' (20), 'Product Description' (Bath Soap), 'Manufacturer ID' (Geisha), 'Product Type' (Necessities), 'Product Quantity' (20), 'Product Selling Price' (\$1.50), 'Product Reorder Level' (5), 'Product Buy Price' (\$1.25), and 'Product Image' (a small image of a Geisha soap box). At the bottom of the form, there are five buttons: 'First Record', 'Previous Record', 'Delete Record', 'Next Record', and 'Last Record'. Below these is a large orange button labeled 'Find Record'. At the very bottom, there are three buttons: 'Back' (blue), 'Save Record' (green), and 'Log Out And' (black).

C. THE CHANGES APPLIED TO THE DOCUMENT

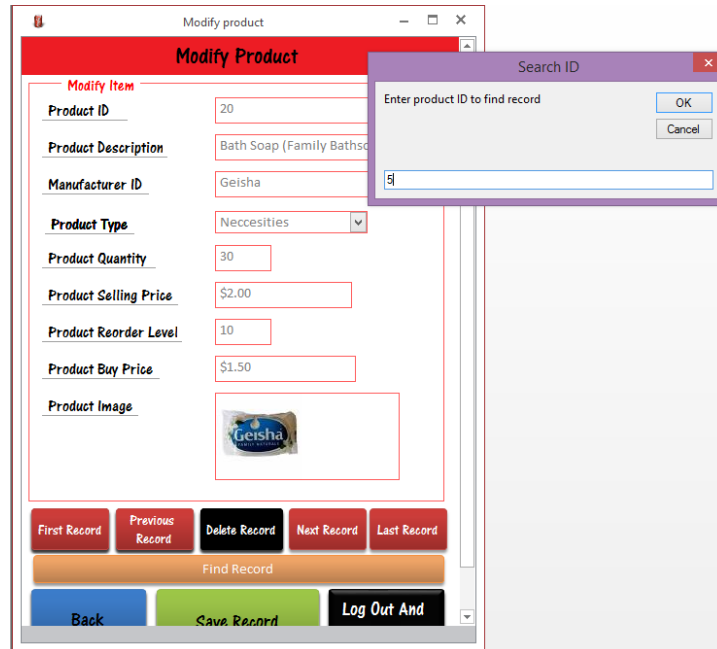
This screenshot shows the same 'Modify Product' form, but with updated values: 'Product ID' (20), 'Product Description' (Bath Soap (Family Bathsoap)), 'Manufacturer ID' (Geisha), 'Product Type' (Necessities), 'Product Quantity' (30), 'Product Selling Price' (\$2.00), 'Product Reorder Level' (10), and 'Product Buy Price' (\$1.50). The 'Product Image' remains the same. A purple dialog box with the title 'Request Successful' is overlaid on the right side of the form, containing the message 'Your changes have been saved' and an 'OK' button. The navigation buttons at the bottom are the same as in the previous screenshot.

D. THE UPDATED PRODUCT TABLE

+	20	Bath Soap (Family Bathsoap)	Geisha	Necessities	30	\$2.00	10	\$1.50
---	----	-----------------------------	--------	-------------	----	--------	----	--------

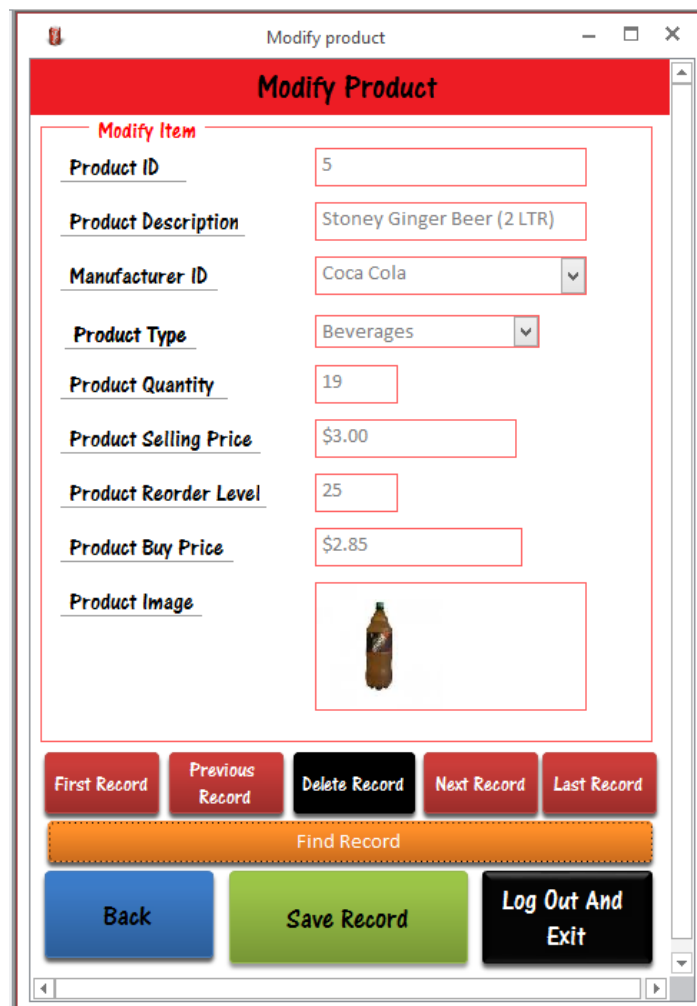
2. TESTING THE FIND RECORD BUTTON

A. ENTERING THE PRODUC ID FOR THE SEARCH



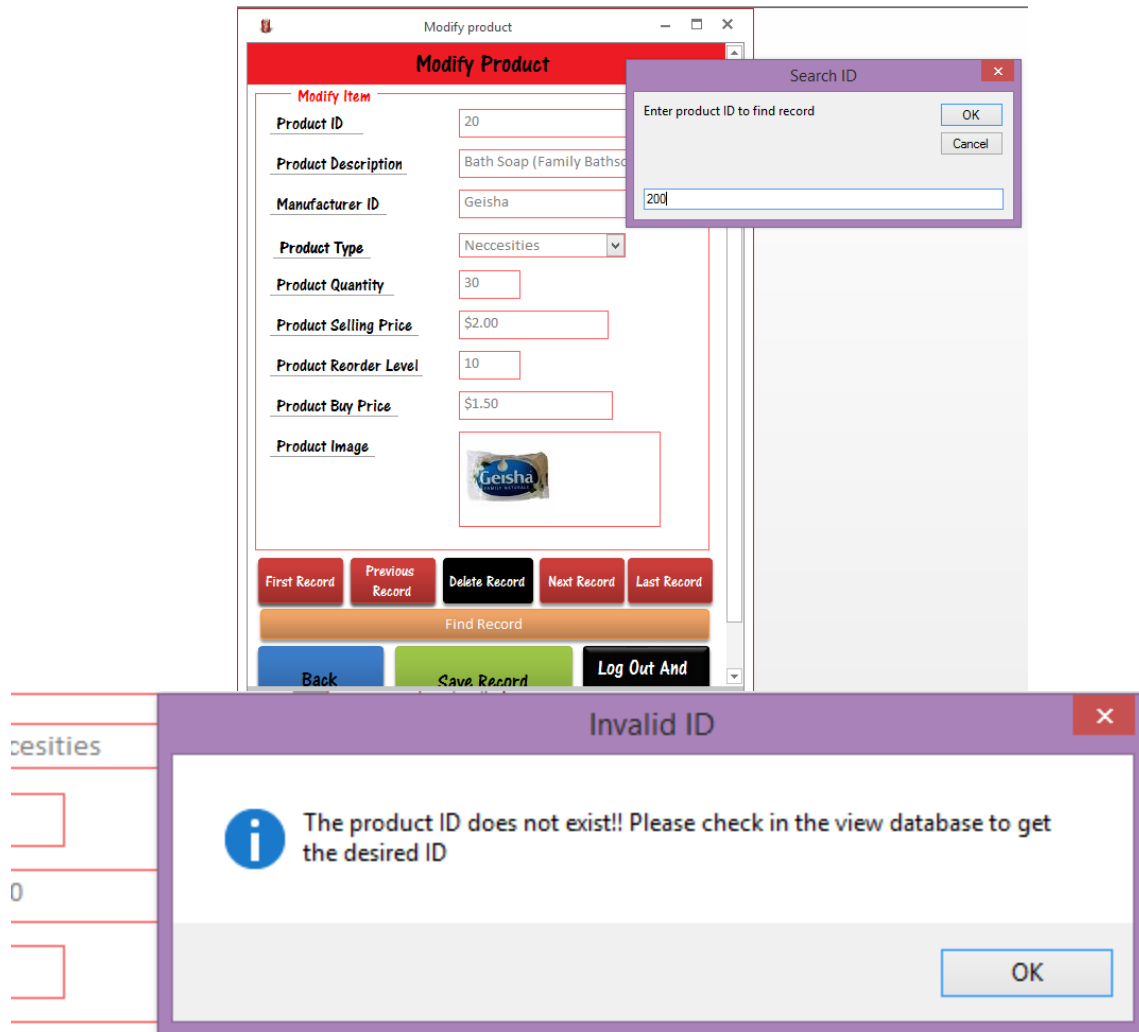
The screenshot shows the 'Modify Product' window with a red header. The 'Modify Item' section contains the following fields: Product ID (20), Product Description (Bath Soap (Family Bathso...)), Manufacturer ID (Geisha), Product Type (Necessities), Product Quantity (30), Product Selling Price (\$2.00), Product Reorder Level (10), Product Buy Price (\$1.50), and Product Image (Geisha). A 'Search ID' dialog box is open, prompting the user to 'Enter product ID to find record' with '5' entered in the input field. The dialog has 'OK' and 'Cancel' buttons. At the bottom of the 'Modify Product' window are buttons for 'First Record', 'Previous Record', 'Delete Record', 'Next Record', 'Last Record', 'Find Record', 'Back', 'Save Record', and 'Log Out And'.

B. THE RECORD IS FOUND AND THE PROGRAM DISPLAYS THE DETAILS

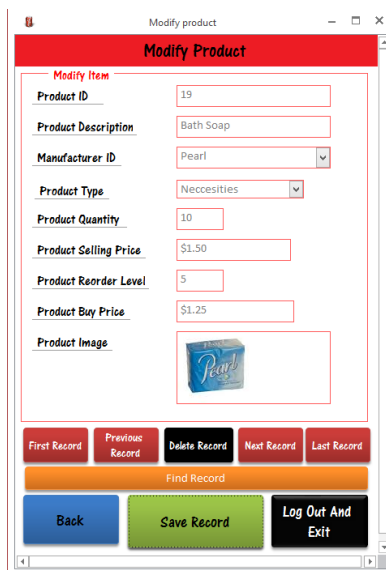


The screenshot shows the 'Modify Product' window displaying details for Product ID 5. The 'Modify Item' section contains the following fields: Product ID (5), Product Description (Stoney Ginger Beer (2 LTR)), Manufacturer ID (Coca Cola), Product Type (Beverages), Product Quantity (19), Product Selling Price (\$3.00), Product Reorder Level (25), Product Buy Price (\$2.85), and Product Image (Stoney Ginger Beer bottle). The 'Find Record' button is highlighted with a dashed border. The bottom buttons are 'First Record', 'Previous Record', 'Delete Record', 'Next Record', 'Last Record', 'Back', 'Save Record', and 'Log Out And Exit'.

- C. IF NOT FOUND OR THE ID IS INVALID THEN THE SYSTEMS SENDS A MESSAGE BOX



3. DELETING A PRODUCT RECORD.



- A. ABOVE IS THE SELECTED PRODUCT TO BE DELETED
- B. BELOW THE SYSTEM ASKS FOR CONFIRMATION

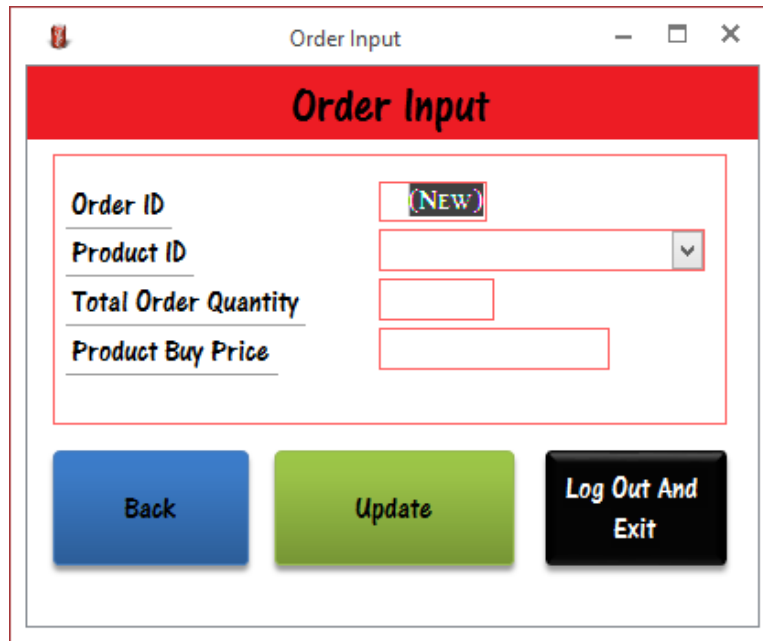
- C. THE CONFIRM DIALOG BOX POPS UP

- D. THE RECORD DOESN'T EXIST

+	17	Sprite (1 Ltr)	Coca Cola	Beverages	25	\$1.00	10	\$0.80
+	18	Cornflakes (1kg)	Kellogs	Snacks & Cereals	10	\$2.50	2	\$2.15
+	20	Bath Soap (Family Bathsoap)	Geisha	Necessities	30	\$2.00	10	\$1.50

ORDER INPUT FORM

- This is the form used to record incoming orders to update the stock level.



Test

- There's only one test and that is to find out if the order is recorded and the stock level is updated in the products table

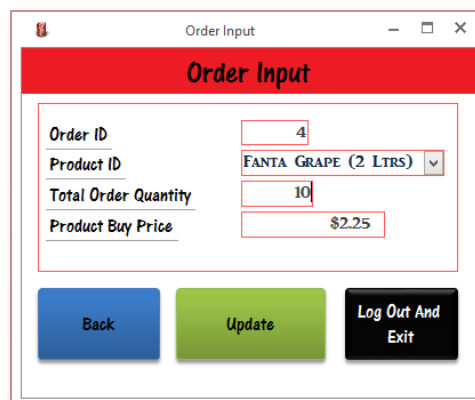
RESULT: PASS

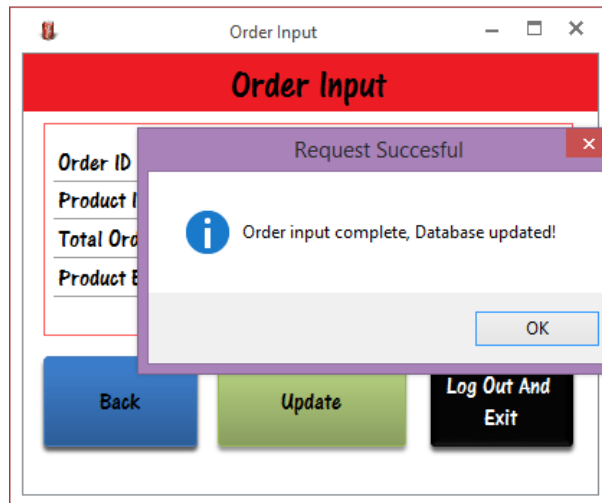
Test Evidence

1. The Fanta grape details before reorder

Product									
Product ID	Product Description	Manufacturer ID	Product Type	Product Quantity	Product Selling Price	Product Reorder Level	Product Buy Price	Product Image	
1	Fanta Grape (2 Ltrs)	Coca Cola	Beverages	4	\$3.00	20	\$2.25	Picture	

2. The input of information into the form and update button click





3. The product table after the update (Below)(Fanta Grape now has 14 instances)

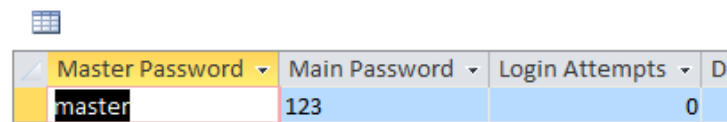
	Product ID	Product Description	Manufacturer ID	Product Type	Product Quantity	Product Selling Price	Product Reorder Level	Product Buy Price
	1	Fanta Grape (2 Ltrs)	Coca Cola	Beverages	14	\$3.00	20	\$2.25
	3	Coke(2 Ltrs)	Coca Cola	Beverages	6	\$3.00	20	\$2.40

CHANGE PASSWORD FORM

- This is where the user can change both passwords, as you would expect the current password is asked for and then the permission to change password is granted.
- Changing passwords is an admin right.

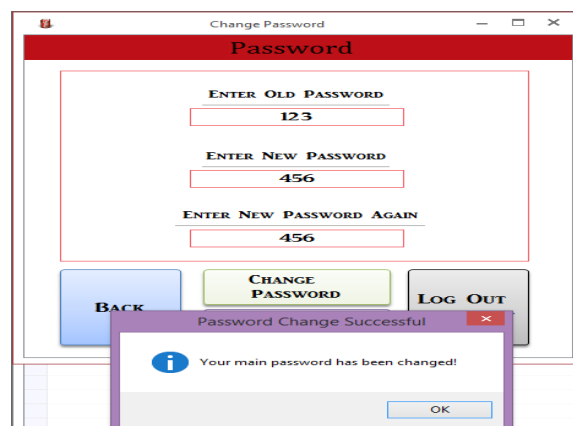
Test No	Test Subject	Test Description	Changes Expected	Forms/ Table data involved	Pass/Fail
1	Correct Password Credentials	With everything correct we test to see if the password actually changes	The static values table should update and the new password should show	Static values table and change password form	Pass
2	Correct admin password credentials	The same test as test one but using the admin password	The static values table should update and the new admin password should show	Static values table and change password form	Pass
3	Incorrect current password	We put in an incorrect password but with a valid new password	An error message telling us that the password is incorrect should pop up	Static values table and change password form	pass
4	Inconsistent new passwords	We put different values for the new password but valid values for the current one	An error message telling us that the passwords are inconsistent should pop up	Static values table and change password form	Pass

1. Correct main password test
 - a. The static value table before



Master Password	Main Password	Login Attempts	Data
master	123	0	

- b. The correct change password credentials without an input mask and change button click outcome.



Change Password

Password

ENTER OLD PASSWORD
123

ENTER NEW PASSWORD
456

ENTER NEW PASSWORD AGAIN
456

BACK CHANGE PASSWORD LOG OUT

Password Change Successful

Your main password has been changed!

OK

c. The updated static value table.

Master Password	Main Password	Login Attempts
master	456	0

2. Admin Password Update

- Using the same static values (Master Password).
- Inputting and changing of the password credentials with the change password form.

Change Password

Password

ENTER OLD PASSWORD
MASTER

ENTER NEW PASSWORD
COKE

ENTER NEW PASSWORD AGAIN
COKE

BACK CHANGE PASSWORD CHANGE ADMIN PASSWORD LOG OUT AND EXIT

Admin Password Clarification

To complete the process please enter the new admin password again

coke|

OK Cancel

c. Confirmation dialog.

Password Change Successful

i Your admin password has been changed!

OK

d. Updated master password form.

Master Password	Main Password	Login Attempts	Data
coke	456	0	

3. Incorrect Current password.
 - a. Data input with wrong "old" password and Error message popping up.

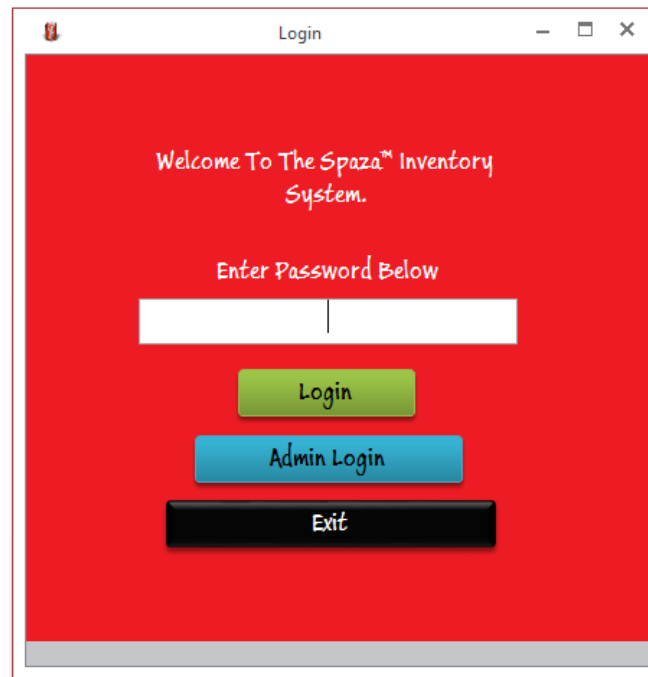
The screenshot shows a window titled "Change Password" with a red header bar containing the word "Password". Inside the window, there are three input fields with labels above them: "ENTER OLD PASSWORD" (containing "748"), "ENTER NEW PASSWORD" (containing "333"), and "ENTER NEW PASSWORD AGAIN" (containing "333"). A blue button labeled "B" is partially visible on the left. Overlaid on the bottom right is a purple "Password Error" dialog box with a red close button. The dialog contains an information icon and the text "Your password is incorrect! Please try again", with an "OK" button at the bottom right.

4. Inconsistent new password checks but correct old password.
 - a. Inputting of data, button click and error box.

The screenshot shows a window titled "Change Password" with a red header bar containing the word "Password". Inside the window, there are three input fields with labels above them: "ENTER OLD PASSWORD" (containing "456"), "ENTER NEW PASSWORD" (containing "152"), and "ENTER NEW PASSWORD AGAIN" (containing "5"). A blue button labeled "B" is partially visible on the left. Overlaid on the bottom right is a purple "New Password Error" dialog box with a red close button. The dialog contains an information icon and the text "Your new password is inconsistent! Type in your new passwords again", with an "OK" button at the bottom right.

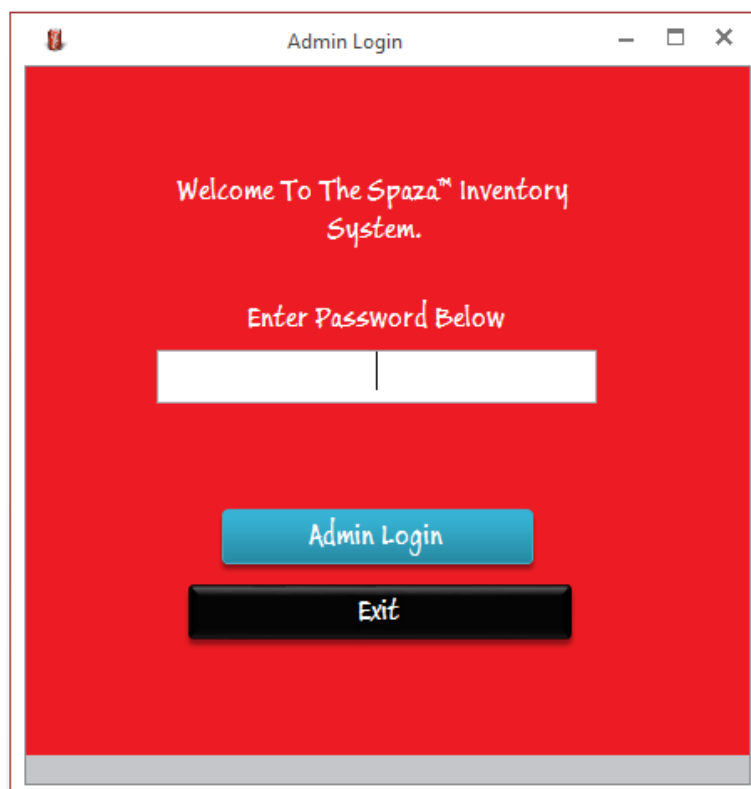
LOGIN FORM

- This is the form that grants the user access to the system.



The screenshot shows a window titled "Login" with a red background. The text "Welcome To The Spaza™ Inventory System." is displayed in a stylized font. Below it, the instruction "Enter Password Below" is shown. A white password input field with a vertical cursor is present. Underneath the input field are three buttons: a green "Login" button, a blue "Admin Login" button, and a black "Exit" button.

- (Featured The admin login form)

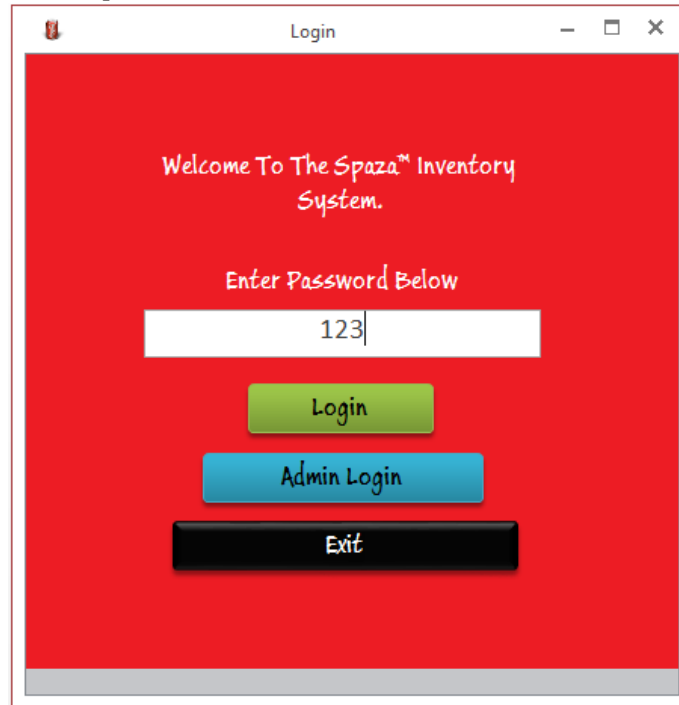


The screenshot shows a window titled "Admin Login" with a red background. The text "Welcome To The Spaza™ Inventory System." is displayed in a stylized font. Below it, the instruction "Enter Password Below" is shown. A white password input field with a vertical cursor is present. Underneath the input field are two buttons: a blue "Admin Login" button and a black "Exit" button.

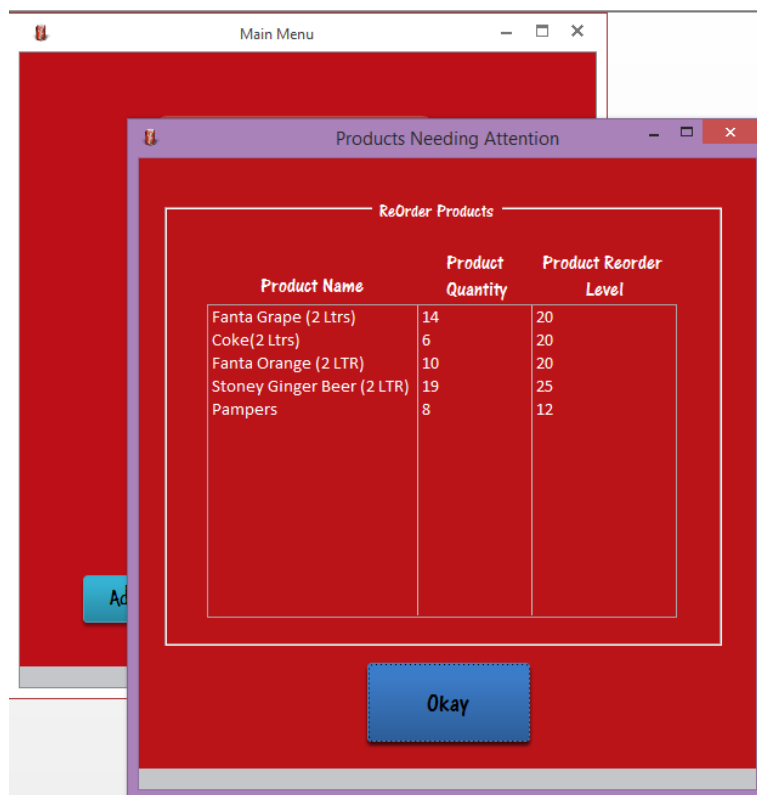
Test No	Test Subject	Test Description	Changes Expected	Forms/ Table data involved	Pass/ Fail
1	Correct credentials	The correct main password and admin password are entered and the login buttons are clicked respectively	The form will close and the main menu form will open, if it is admin the he disable login button will appear	Static values and login form	Pass
2	Incorrect Credentials	The wrong password is input	An error message pops up with the attempts left when it's the main password	Static values and login form	pass
3	Locked Database	When the password is input into main password incorrectly 10 time the system locks and switches to the strict admin password	The database can't be opened using normal login and should force admin login	Admin login form, statics value table and login form	Pass
4	Database Unlock	After Inputting the correct admin credentials after the database as locked it should be unlocked and restarted in the sense of resetting counts	The database should unlock and everything should be normal	Admin login form, statics value table and login form	Pass

Test Evidence

1. Correct test.
 - a. Inputting of the correct password.
 - b. Main Menu Open.



The screenshot shows a window titled "Login" with a red background. The text "Welcome To The Spaza™ Inventory System." is displayed. Below it, the instruction "Enter Password Below" is shown. A text input field contains the password "123". There are three buttons: a green "Login" button, a blue "Admin Login" button, and a black "Exit" button.



The screenshot shows two overlapping windows. The background window is titled "Main Menu" and has a red background. The foreground window is titled "Products Needing Attention" and has a purple border. Inside the foreground window, there is a table titled "ReOrder Products" with three columns: "Product Name", "Product Quantity", and "Product Reorder Level". The table contains the following data:

Product Name	Product Quantity	Product Reorder Level
Fanta Grape (2 Ltrs)	14	20
Coke(2 Ltrs)	6	20
Fanta Orange (2 LTR)	10	20
Stoney Ginger Beer (2 LTR)	19	25
Pampers	8	12

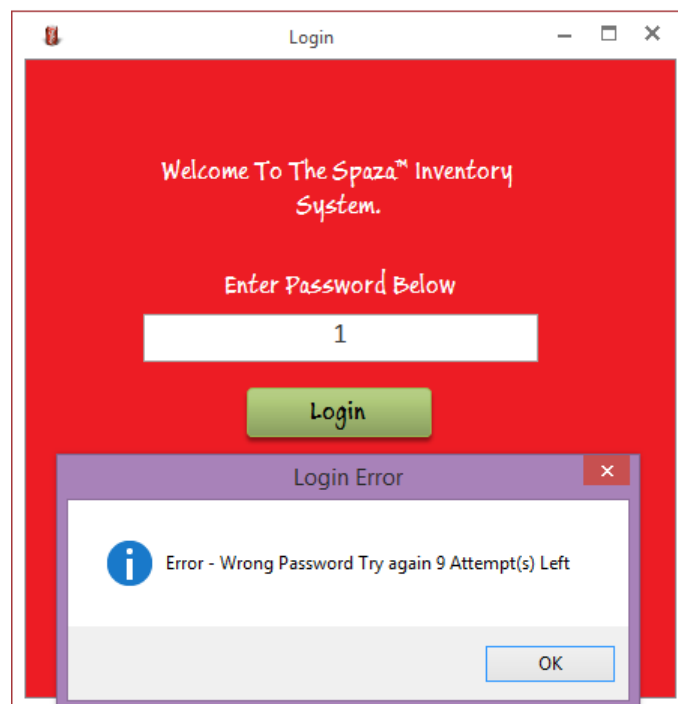
Below the table is a blue "Okay" button.

c. After admin login.

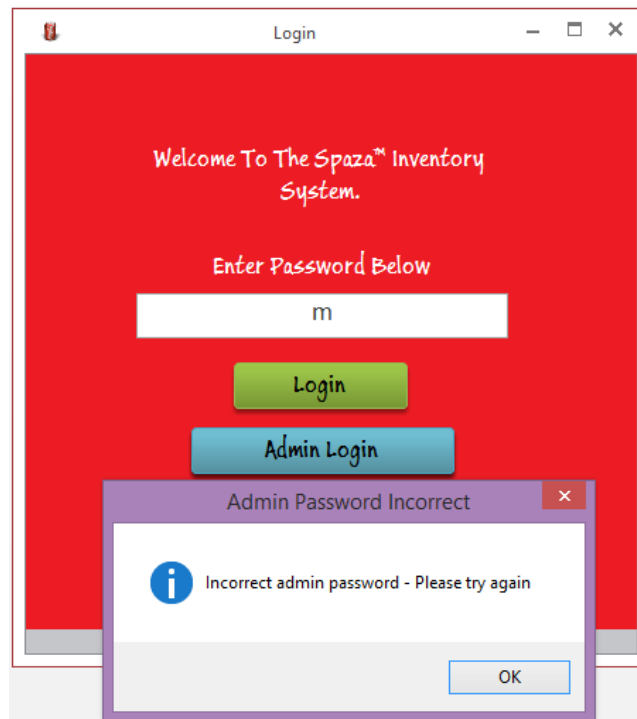


2. Incorrect password.

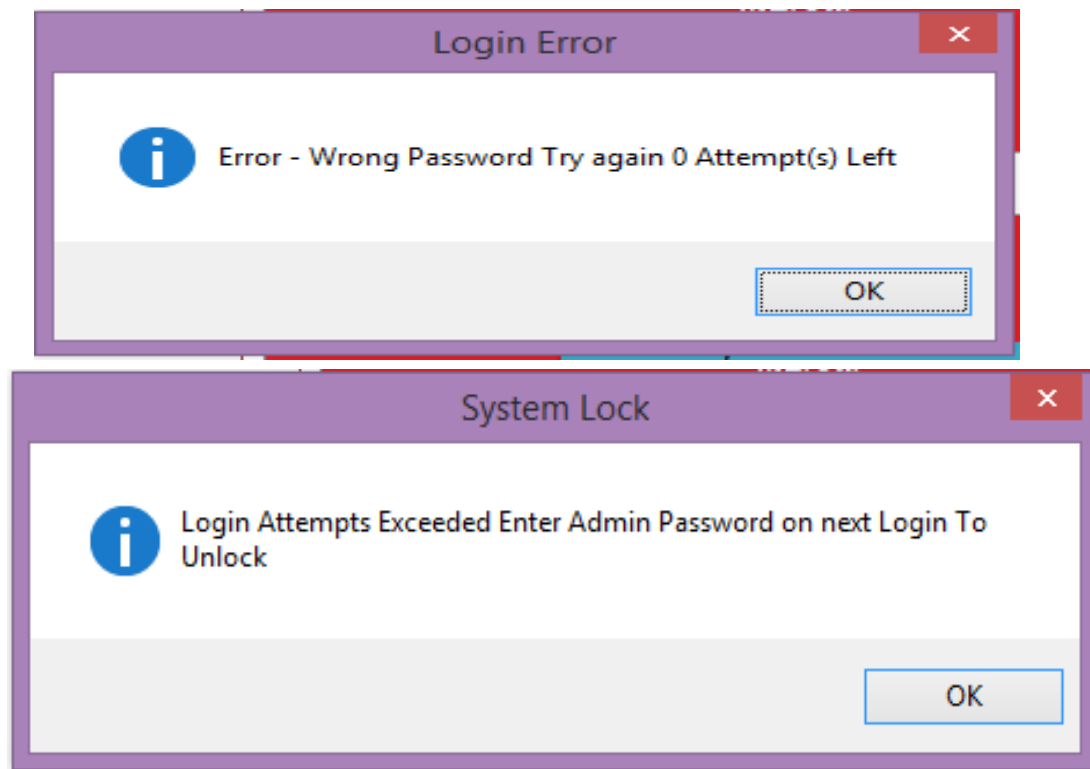
a. Incorrect password input and button press.



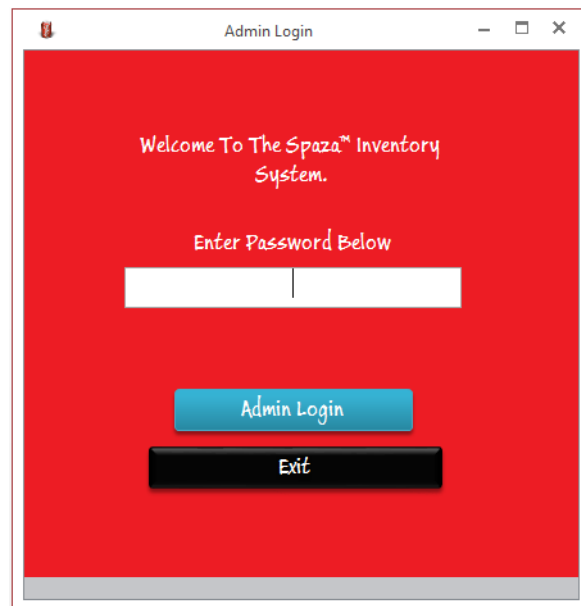
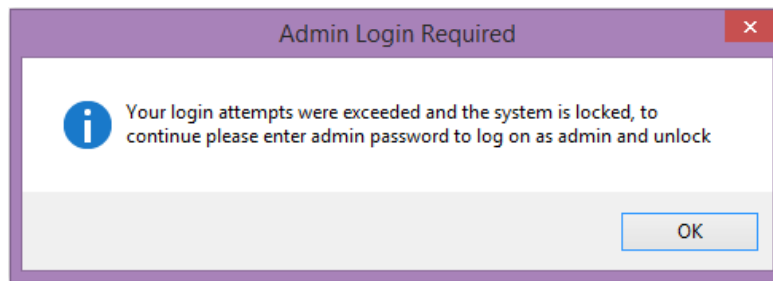
- b. Incorrect Admin password and button press.



3. Locking database after 10 attempts.
a. Errors after 10 attempts.



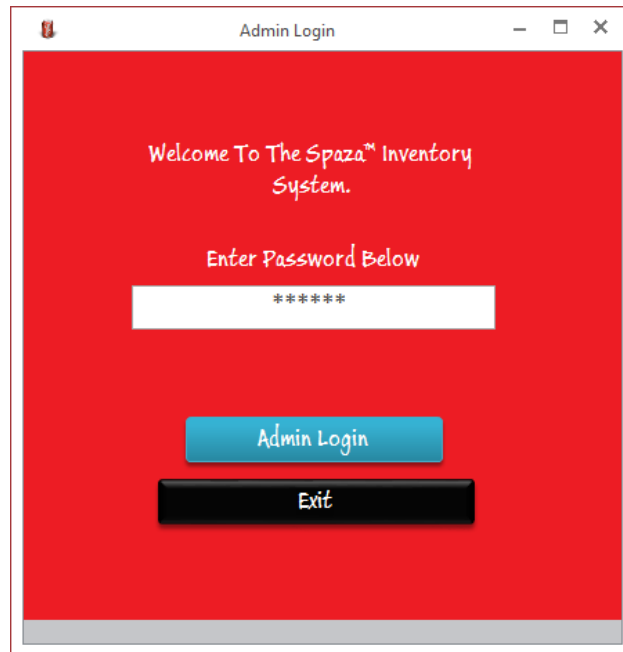
b. Admin login forced form



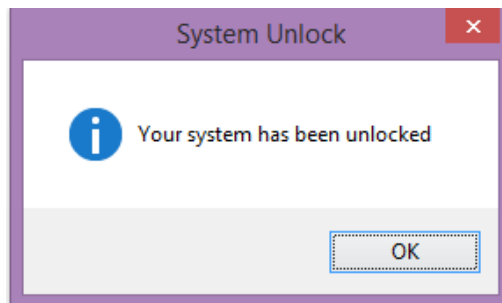
c. Static value table(Above)

Static Values			
Login Attempts ▾	Database Lock ▾	Admin Right ▾	CurrentProd
10	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Coke (1 Ltr)

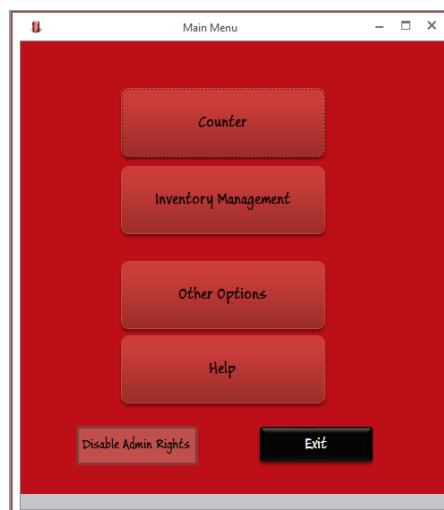
4. Unlocking of the database.
 - a. Inputting of correct admin password.



- b. Dialog box confirmation.



- c. Main menu with admin login credentials.

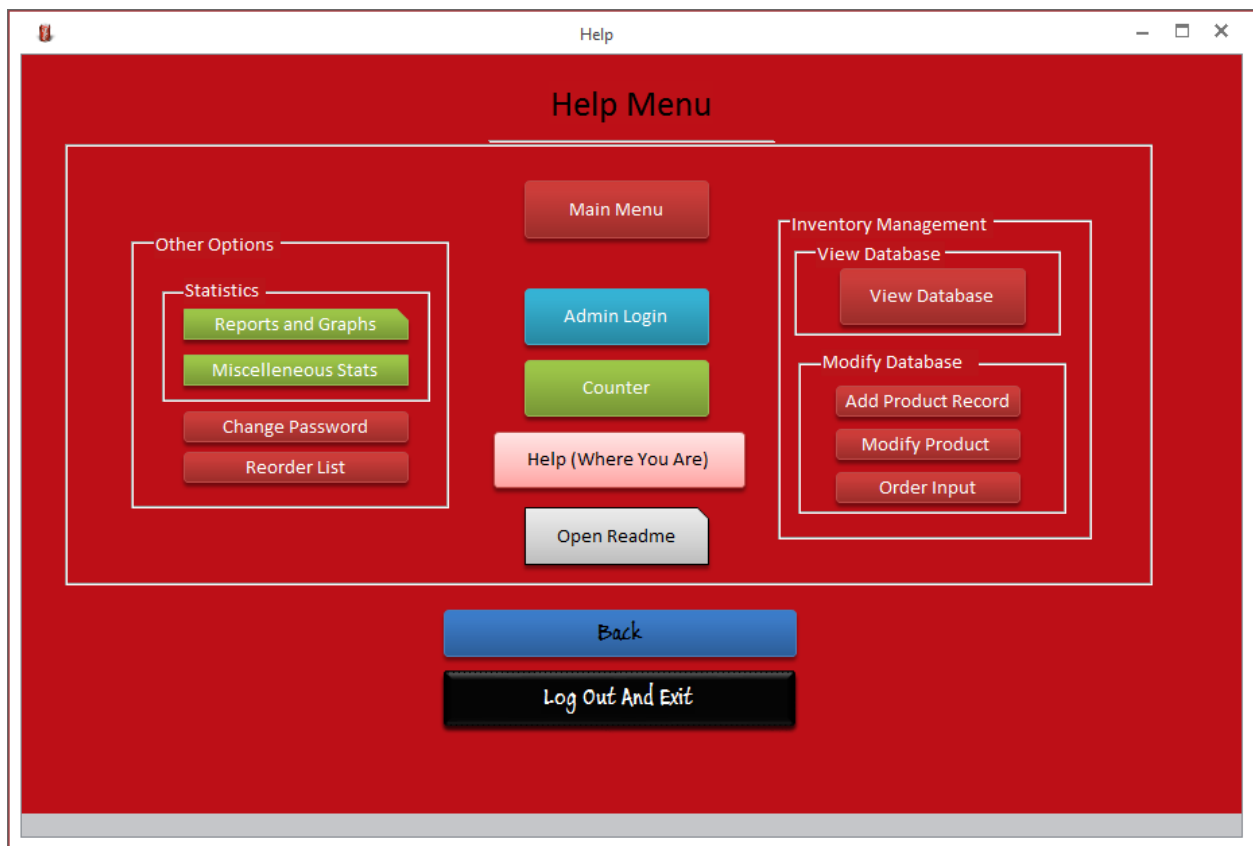


HELP MENU

The help menu will contain a link to the user documentation with hyperlinks to the suggested forms.

It will contain a graphical representation of the whole system with buttons to take the user to any position they want in the system and to the readme.

On button hover the information about the particular form is displayed.

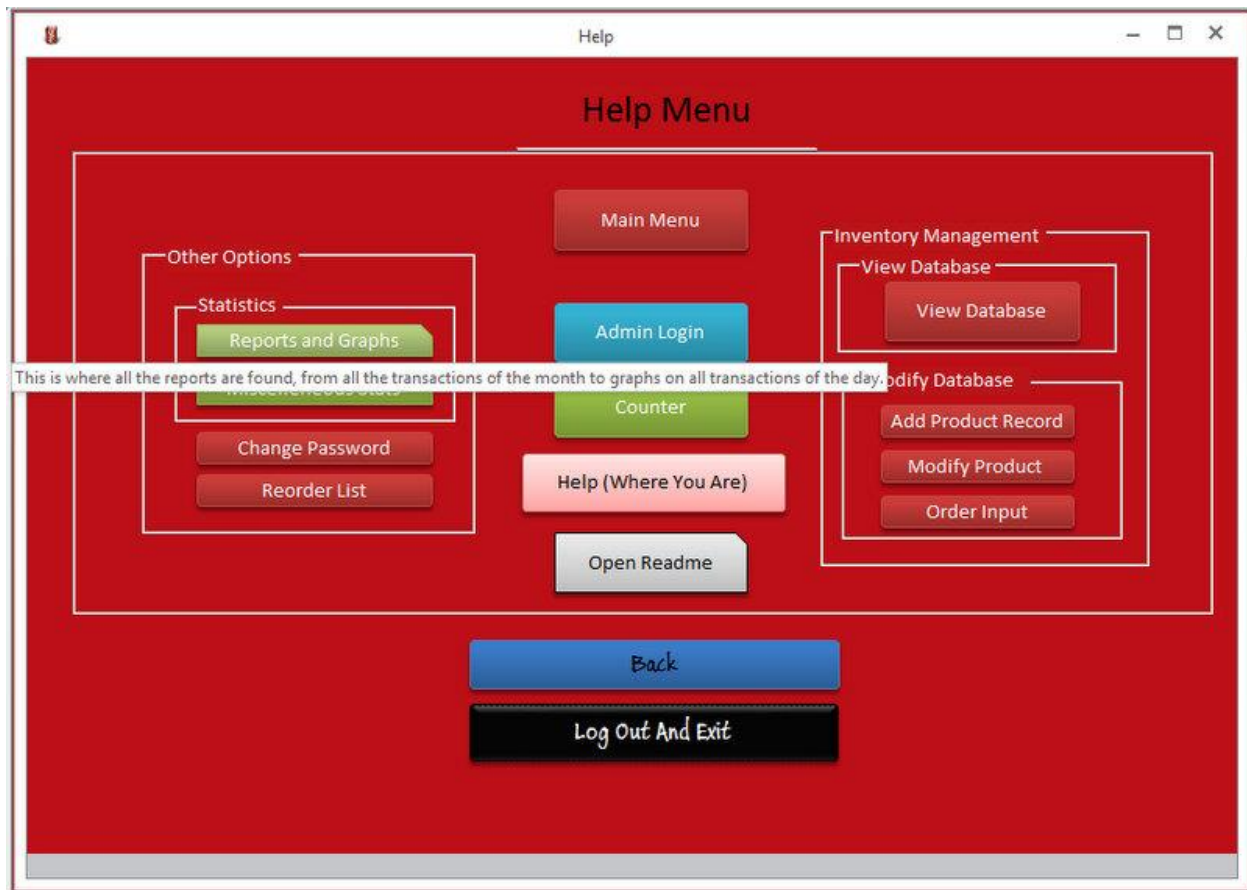


There are only two tests.

The button test to see if the buttons take the user to where they are supposed to go

The hover text that appears when the user hovers over a button

Results and evidence



COUNTER MENU (TRANSACTION)

- This is the main transaction screen where all transactions are recorded and transaction receipts are produced when requested.

Counter

Counter

Product Name	Product Cost	Quantity Selected
--------------	--------------	-------------------

Toiletries

Sweets

Dairy

Beverages

Other

Snacks and Cereals

Neccesities

Pampers

HUGGIES

\$2.00

Total Cost:

\$0.00

Checkout

Remove Product

Clear List

Checkout With Receipt

Inventory Management

Main Menu

Log Out And Exit

Test

Test No	Test Subject	Test Description	Changes Expected	Forms/ Table data involved	Pass/ Fail
1	Adding to list	The product icon is clicked on and the product should be added to the list, if clicked again the quantity changes	The list should have product details added	Counter form, product table	pass
2	Deleting from list	When an item on the list is selected and the delete button is pressed its row is removed	The selected product is removed from the list	Counter form	Pass
3	Clearing the list	When the clear button is pressed everything on the list should be removed	Everything on the list excluding the headings should be removed	Counter form	Pass
4	Checkout process	When the checkout button is pressed the transaction processes should take place	An input box helping the user calculate change pops up, The quantity of the products should update, the transaction and individual sales should be recorded in respected table and the list should be cleared	Counter form, Transaction table, Sales table and product table	Pass
5	Checkout with receipt	The checkout process in test number 4 with an auto printed receipt	Every expectation in test number 4 with auto printed receipts	Counter form, Transaction table, Sales table and product table	Pass

Test Evidence

1. ADDING AN ITEM

- CLICKING ON THE ICON ADDED THE PRODUCT TO THE LIST

Counter

Counter

Product Name	Product Cost	Quantity Selected
Pampers	\$2.00	1
Total Cost:		\$2.00

Toiletries

Sweets

Dairy

Beverages

Pampers

HUGGIES

\$2.00

2. REMOVING AN ITEM FROM THE LIST

- SELECTING THE PRODUCT

Counter

Counter

Product Name	Product Cost	Quantity Selected
Pampers	\$2.00	1
Lollipops	\$0.20	1
Coke (1 Ltr)	\$1.00	1
Total Cost:		\$3.20

Toiletries

Sweets

Dairy

Beverages

Pampers

HUGGIES

\$2.00

- CLICKING THE REMOVE BUTTON, REMOVES THE LIST AND UPDATES SUB

Counter

Counter

Product Name	Product Cost	Quantity Selected
Lollipops	\$0.20	1
Coke (1 Ltr)	\$1.00	1

Toiletries

Sweets

Dairy

B

Total Cost:

\$1.20

Checkout

Remove Product

Checkout

Inventory

TOTAL

3. CLEARING THE LIST

- CLICKING ON THE BUTTTON REMOVED EVERYTHING FROM THE LIST

Counter

Counter

Product Name	Product Cost	Quantity Selected
--------------	--------------	-------------------

Toiletries

Sweets

Dairy

Total Cost:

\$0.00

Checkout

Remove Product

Clear List

Checkout With Receipt

Inventory

4. CHECKOUT BUTTON

○ CREATING A TRANSACTION

Counter

Counter

Product Name	Product Cost	Quantity Selected
Pampers	\$2.00	1
Lollipops	\$0.20	1
Fresh Milk (Chimombe) (500ml)	\$1.00	3
Coke (1 Ltr)	\$1.00	1

Toiletries
Sweets
Dairy

Coke (1 Ltr)
\$1.00

Coke (2 Ltrs)
\$3.00

6

Fanta Grape (2 Ltrs)
\$3.00

14

Total Cost:
\$6.20

Checkout

Remove Product

Checkout With Receipt

Inventories

Clear List

○ CHECKING BEFORE PRODUCT DETAILS.

Product								
Product ID	Product Description	Manufacturer ID	Product Type	Product Quantity	Product Selling Price	Product Reorder Level	Product Buy Price	
1	Fanta Grape (2 Ltrs)	Coca Cola	Beverages	14	\$3.00	20	\$2.25	
3	Coke(2 Ltrs)	Coca Cola	Beverages	6	\$3.00	20	\$2.40	
4	Fanta Orange (2 LTR)	Coca Cola	Beverages	10	\$3.00	20	\$2.80	
5	Stoney Ginger Beer (2 LTR)	Coca Cola	Beverages	19	\$3.00	25	\$2.85	
6	Pampers	Huggies	Toiletries	8	\$2.00	12	\$1.80	
7	Lollipops	Amazon	Sweets	44	\$0.20	10	\$0.10	
8	Coke (1 Ltr)	Coca Cola	Beverages	17	\$1.00	15	\$0.80	
10	Madison	Madison	Other	19	\$1.00	15	\$0.80	
11	Cerevita (Corn And Banana's)	Nestlea	Snacks & Cereals	19	\$3.60	5	\$3.40	
12	Green Bar Soap	Acacia	Neccesities	45	\$1.60	15	\$1.40	
13	Matches	Lion	Neccesities	29	\$0.20	20	\$0.10	
14								
15	Fresh Milk (Chimombe) (500ml)	Dairiboard	Dairy	18	\$1.00	10	\$0.80	
17	Sprite (1 Ltr)	Coca Cola	Beverages	25	\$1.00	10	\$0.80	
18	Cornflakes (1kg)	Kellogs	Snacks & Cereals	10	\$2.50	2	\$2.15	
20	Bath Soap (Family Bathsoap)	Geisha	Neccesities	30	\$2.00	10	\$1.50	

- CLICKING ON THE CHECKOUT BUTTON AND ENTERING AMOUNT PAID.

Counter

Product Name	Product Cost	Quantity Selected
Pampers	\$2.00	1
Lollipops	\$0.20	1
Fresh Milk (Chimombe) (50	\$1.00	3
Coke (1 Ltr)	\$1.00	1

Total Cost: **\$6.20**

Microsoft Access

Please Enter Amount paid

10

OK Cancel

- CONFIRMATION NOTICE

The Change Due

\$3.80

OK

Thank You

Next Customer

OK

- TRANSACTION TABLE PROOF

Transaction ID	Transaction Date	Transaction Time	Sub Total	Click to Add
145	21/09/2015	01:13:28	\$6.20	

○ SALES TABLE PROOF

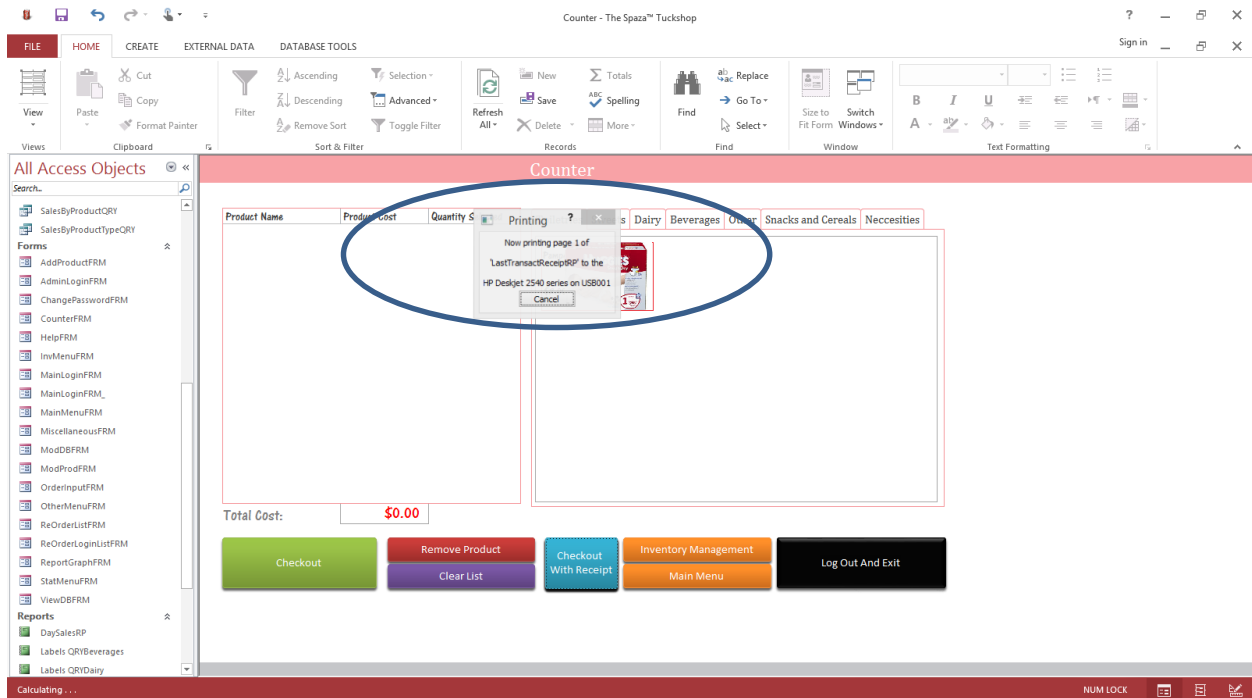
SalesID	TransactionID	ProdID	QuantityBought
182	145	Coke (1 Ltr)	1
181	145	Fresh Milk (Chimombe)	3
180	145	Lollipops	1
179	145	Pampers	1

○ PRODUCT TABLE PROOF

Product ID	Product Description	Manufacturer ID	Product Type	Product Quantity	Product Selling Price	Product Reorder Level	Product Buy Price
1	Fanta Grape (2 Ltrs)	Coca Cola	Beverages	14	\$3.00	20	\$2.25
3	Coke(2 Ltrs)	Coca Cola	Beverages	6	\$3.00	20	\$2.40
4	Fanta Orange (2 LTR)	Coca Cola	Beverages	10	\$3.00	20	\$2.80
5	Stoney Ginger Beer (2 LTR)	Coca Cola	Beverages	19	\$3.00	25	\$2.85
6	Pampers	Huggies	Toiletries	7	\$2.00	12	\$1.80
7	Lollipops	Amazon	Sweets	43	\$0.20	10	\$0.10
8	Coke (1 Ltr)	Coca Cola	Beverages	16	\$1.00	15	\$0.80
10	Madison	Madison	Other	19	\$1.00	15	\$0.80
11	Cerevita (Corn And Banana's)	Nestlea	Snacks & Cereals	19	\$3.60	5	\$3.40
12	Green Bar Soap	Acacia	Neccesities	45	\$1.60	15	\$1.40
13	Matches	Lion	Neccesities	29	\$0.20	20	\$0.10
14							
15	Fresh Milk (Chimombe) (500m	Dairiboard	Dairy	15	\$1.00	10	\$0.80
17	Sprits (1 Ltr)	Coca Cola	Beverages	25	\$1.00	10	\$0.80
18	Cornflakes (1kg)	Kellogs	Snacks & Cereals	10	\$2.50	2	\$2.15
20	Bath Soap (Family Bathsoap)	Geisha	Neccesities	30	\$2.00	10	\$1.50

5. Checkout with a receipt

○ The print with receipt button click



○ Receipt sample

○ WHAT THE RECEIPT LOOKS LIKE

Transact Receipt

TransID	Transaction Date	Time	ProdID	Quantity	Price
146	21/09/2015	01:23:36			
			Fanta Grape (2 Ltrs)	1	\$3.00
			Coke(2 Ltrs)	2	\$3.00
			Pampers	1	\$2.00
			Lollipops	1	\$0.20
			Coke (1 Ltr)	2	\$1.00
			Fresh Milk (Chimombe) (500ml)	1	\$1.00
Sub Total:					\$14.20

Print Okay Log Out and Exit

Query Testing

Query testing was hard to do as it would involve literally counting all the records appropriate to the query criteria. Proving that the counting was successful seemed to another story as a whole so general eye comparison was used to see if the query filtering was successful. Using the query codes (In criteria and grouping) provided in the user Documentation we can get a better testing understanding of how the correct/ expected values were derived.

SALES QUERIES

There are 4 sales queries that keep track of the whole transaction sales records. It combines the two tables and then filters the out for a time period.

DAY SALES QUERY

SalesID	Transaction Date	Transaction Time	TransactionID	ProdID	QuantityBought	Sub Total
*	(New)					

No sales were made on the particular testing day which makes it easier is see if it works correctly.

MONTHLY SALES QUERY

SalesID	Transaction Date	Transaction Time	TransactionID	ProdID	SumOfQuantityBought	Sub Total	Month
1	11/09/2015	22:27:36	3	Coke(2 Ltrs)	0	\$1.00	9
2	11/09/2015	22:28:26	4		0	\$1.00	9
3	11/09/2015	22:29:52	5		1	\$1.00	9
4	11/09/2015	22:31:22	7		0	\$1.00	9
5	11/09/2015	22:32:05	9		0	\$1.00	9
6	11/09/2015	22:33:56	10		0	\$4.00	9
7	11/09/2015	22:33:56	10		0	\$4.00	9
8	11/09/2015	22:35:15	12		0	\$3.00	9
9	11/09/2015	22:36:04	13		0	\$1.00	9
10	11/09/2015	22:37:12	14		0	\$3.00	9
12	11/09/2015	22:53:01	16	Coke (1 Ltr)	1	\$1.00	9
13	11/09/2015	22:53:52	17	Coke (1 Ltr)	1	\$7.00	9
14	11/09/2015	22:53:52	17	Coke(2 Ltrs)	1	\$7.00	9
15	11/09/2015	22:53:52	17	Fanta Grape (2 Ltrs)	1	\$7.00	9
17	11/09/2015	23:23:23	19	Coke (1 Ltr)	1	\$1.00	9
20	11/09/2015	23:26:30	22	Coke (1 Ltr)	1	\$4.00	9
21	11/09/2015	23:26:30	22	Coke(2 Ltrs)	1	\$4.00	9
22	11/09/2015	23:29:29	23	Coke (1 Ltr)	1	\$7.00	9
23	11/09/2015	23:29:29	23	Coke(2 Ltrs)	1	\$7.00	9
24	11/09/2015	23:29:29	23	Fanta Grape (2 Ltrs)	1	\$7.00	9
25	11/09/2015	23:33:18	24	Coke (1 Ltr)	1	\$4.00	9
26	11/09/2015	23:33:18	24	Coke(2 Ltrs)	1	\$4.00	9
27	11/09/2015	23:39:02	25	Coke (1 Ltr)	1	\$7.00	9
28	11/09/2015	23:39:02	25	Coke(2 Ltrs)	1	\$7.00	9
29	11/09/2015	23:39:02	25	Fanta Grape (2 Ltrs)	1	\$7.00	9
30	11/09/2015	23:39:35	26	Fanta Grape (2 Ltrs)	1	\$10.00	9
31	11/09/2015	23:39:55	27	Coke (1 Ltr)	1	\$1.00	9
32	11/09/2015	23:46:43	28	Coke (1 Ltr)	1	\$1.00	9
33	11/09/2015	23:47:37	29	Coke(2 Ltrs)	1	\$3.00	9
34	11/09/2015	23:52:08	30	Coke (1 Ltr)	1	\$1.00	9

Record: 1 of 176 No Filter Search

All the sales records for the month with an extra month field.

ANNUAL QUERY

All sales during the year with extra year column. Accuracy justified by the fact that all test transaction happened in one month and the same records are in the annual query

SalesID	ProdID	QuantityBought	Transaction Date	Transaction Time	Sub Total	Year
1	Coke(2 Ltrs)	0	11/09/2015	22:27:36	\$1.00	2015
2		0	11/09/2015	22:28:26	\$1.00	2015
3		1	11/09/2015	22:29:52	\$1.00	2015
4		0	11/09/2015	22:31:22	\$1.00	2015
5		0	11/09/2015	22:32:05	\$1.00	2015
6		0	11/09/2015	22:33:56	\$4.00	2015
7		0	11/09/2015	22:33:56	\$4.00	2015
8		0	11/09/2015	22:35:15	\$3.00	2015
9		0	11/09/2015	22:36:04	\$1.00	2015
10		0	11/09/2015	22:37:12	\$3.00	2015
12	Coke (1 Ltr)	1	11/09/2015	22:53:01	\$1.00	2015
13	Coke (1 Ltr)	1	11/09/2015	22:53:52	\$7.00	2015
14	Coke(2 Ltrs)	1	11/09/2015	22:53:52	\$7.00	2015
15	Fanta Grape (2 Ltrs)	1	11/09/2015	22:53:52	\$7.00	2015
17	Coke (1 Ltr)	1	11/09/2015	23:23:23	\$1.00	2015
20	Coke (1 Ltr)	1	11/09/2015	23:26:30	\$4.00	2015
21	Coke(2 Ltrs)	1	11/09/2015	23:26:30	\$4.00	2015
22	Coke (1 Ltr)	1	11/09/2015	23:29:29	\$7.00	2015
23	Coke(2 Ltrs)	1	11/09/2015	23:29:29	\$7.00	2015
24	Fanta Grape (2 Ltrs)	1	11/09/2015	23:29:29	\$7.00	2015
25	Coke (1 Ltr)	1	11/09/2015	23:33:18	\$4.00	2015
26	Coke(2 Ltrs)	1	11/09/2015	23:33:18	\$4.00	2015
27	Coke (1 Ltr)	1	11/09/2015	23:39:02	\$7.00	2015
28	Coke(2 Ltrs)	1	11/09/2015	23:39:02	\$7.00	2015
29	Fanta Grape (2 Ltrs)	1	11/09/2015	23:39:02	\$7.00	2015
30	Fanta Grape (2 Ltrs)	1	11/09/2015	23:39:35	\$10.00	2015
31	Coke (1 Ltr)	1	11/09/2015	23:39:55	\$1.00	2015
32	Coke (1 Ltr)	1	11/09/2015	23:46:43	\$1.00	2015
33	Coke(2 Ltrs)	1	11/09/2015	23:47:37	\$3.00	2015
34	Coke (1 Ltr)	1	11/09/2015	23:52:08	\$1.00	2015

Record: 1 of 176 No Filter Search

LAST TRANSACTION QUERY

TransID	Transaction Date	Transaction Time	ProdID	QuantityBought	Product Selling Price	Sub Total
146	27/09/2015	14:47:12	Pampers	1	\$2.00	\$3.00
146	27/09/2015	14:47:12	Fresh Milk (Chimombe) (500ml)	1	\$1.00	\$3.00
(New)						

Record: 1 of 2 No Filter Search

The last transaction was made involving these two products. This query is also used to make the receipt after a transaction.

GROUPING QUERIES

These group their sales to a certain criteria

SALES BY MANUFACTURER

Manufacturer ID	SumOfQuantityBought
Coca Cola	147
Huggies	55
Amazon	12
Madison	2
Nestlea	1
Acacia	5
Lion	2
Dairiboard	7

Record: 1 of 8 No Filter Search

All the sales by manufacturer

SALES BY PRODUCT NAME

ProdID	SumOfQuantityBought
Fanta Grape (2 Ltrs)	27
Coke(2 Ltrs)	51
Fanta Orange (2 LTR)	2
Stoney Ginger Beer (2 LTR)	3
Pampers	55
Lollipops	12
Coke (1 Ltr)	64
Madison	2
Cerevita (Corn And Banana's)	1
Green Bar Soap	5
Matches	2
Fresh Milk (Chimombe) (500ml)	7

Record: 1 of 12 No Filter Search

All sales Classified by name

SALES BY PRODUCT TYPE

SalesByProductTypeQRY	
Total Quantity Bought	Product Type
147	Beverages
7	Dairy
7	Neccesities
2	Other
1	Snacks & Cereals
12	Sweets
55	Toiletries
Record: 1 of 7	
No Filter	
Search	

All sales Classified by product type

OTHER QUERIES

THE REORDER QUERY

Reorder Query						
Product ID	Product Description	Manufacturer ID	Product Quantity	Product Selling Price	Product Reorder Level	
1	Fanta Grape (2 Ltrs)	Coca Cola	14	\$3.00	20	
3	Coke(2 Ltrs)	Coca Cola	6	\$3.00	20	
4	Fanta Orange (2 LTR)	Coca Cola	10	\$3.00	20	
5	Stoney Ginger Beer (2 LTR)	Coca Cola	19	\$3.00	25	
6	Pampers	Huggies	7	\$2.00	12	
8	Coke (1 Ltr)	Coca Cola	14	\$1.00	15	
*	(New)					

All products needing reorder.

THE SALES QUERY

Sales Query									
SalesID	Transaction Date	Transaction Time	TransactionID	ProdID	QuantityBought	Sub Total	Product Image	Product Type	Product Selling Price
15	11/09/2015	22:53:52	17	Fanta Grape (2 Ltrs)	1	\$7.00	Picture	Beverages	\$3.00
24	11/09/2015	23:29:29	23	Fanta Grape (2 Ltrs)	1	\$7.00	Picture	Beverages	\$3.00
29	11/09/2015	23:39:02	25	Fanta Grape (2 Ltrs)	1	\$7.00	Picture	Beverages	\$3.00
30	11/09/2015	23:39:35	26	Fanta Grape (2 Ltrs)	1	\$10.00	Picture	Beverages	\$3.00
41	12/09/2015	00:16:08	35	Fanta Grape (2 Ltrs)	1	\$6.00	Picture	Beverages	\$3.00
51	12/09/2015	00:41:22	44	Fanta Grape (2 Ltrs)	1	\$3.00	Picture	Beverages	\$3.00
57	12/09/2015	00:58:46	47	Fanta Grape (2 Ltrs)	1	\$7.00	Picture	Beverages	\$3.00
63	12/09/2015	01:04:17	51	Fanta Grape (2 Ltrs)	1	\$7.00	Picture	Beverages	\$3.00
66	12/09/2015	01:06:16	52	Fanta Grape (2 Ltrs)	1	\$7.00	Picture	Beverages	\$3.00
69	12/09/2015	01:06:57	53	Fanta Grape (2 Ltrs)	1	\$7.00	Picture	Beverages	\$3.00
72	12/09/2015	01:07:39	54	Fanta Grape (2 Ltrs)	1	\$7.00	Picture	Beverages	\$3.00
90	12/09/2015	09:15:06	69	Fanta Grape (2 Ltrs)	1	\$7.00	Picture	Beverages	\$3.00
97	12/09/2015	10:40:35	73	Fanta Grape (2 Ltrs)	2	\$14.00	Picture	Beverages	\$3.00

Record: 14 of 167No FilterSearch

All sales with their product and transaction details.

IMPLEMENTATION

REMARKS AND STRATEGIES

REMARK

After agreeing on the development and test plan with the user. It was time to then pick and introduce an implementation technique. After showing him the four options between a pilot changeover, phased changeover, direct changeover and parallel running it was no surprise to see that the end user picked the parallel running method which involves both the old method and the computerized method running side by side until the new “method” is deemed “worthy” to be a complete replacement for the old system.

STAFF TRAINING AND IMPLEMENTATION PROCESS

Mr. Mafukidze and I agreed on a date (Saturday) where I could come over and teach him how to use the system. Staff training was simple at first as it was all in the days work but the user seemed to forget the next day and the decision to add the user documentation to the installation folder was made.



The parallel however would have to involve someone else to use the system while the user was at their books.

On another day Mr. Mafukidze asked me to be the one running the computerized system during the day to see how much easier it would be for me to keep up with him (Although he did most of the keeping up).

After a few test days Mr. Mafukidze was impressed with the system and how easy it was to use and decided to complete he changeover.

USER USING THE SYSTEM

