Criterion E- Evaluation

Meeting the success criteria:

- The user can only log in with the username and password that the user has set can be used to log in. If the data entered matches the data saved in the program, the user is directed to the program's main page.

Figure 1: Login window

- User can go to the 'Product' section of the program to add new product. User simply can input the required product information and click on the 'add' button. After the product is added, a success message is displayed.

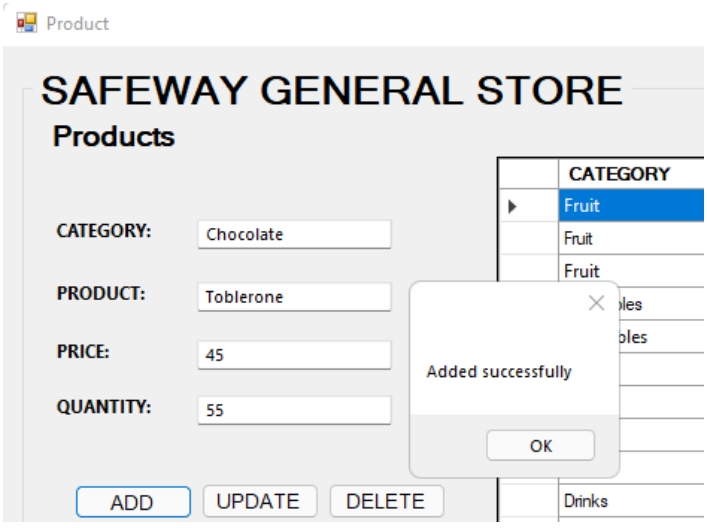

Figure 2: Product added success message

	id	Category	Name	Price	Quantity
	19	Fruit	Pineapple	30	3
	20	Fruit	Apple	25	5
▶	21	Fruit	Orange	15	2
	22	Vegetables	Beans	12	29
	24	Vegetables	Carrot	18	19

Figure 3: Product list in database

- User can update product data by clicking on the product from the table displayed in the product window. User can then make necessary changes using the text fields and click on the ‘update’ button. After the product is updated, a success message is displayed.

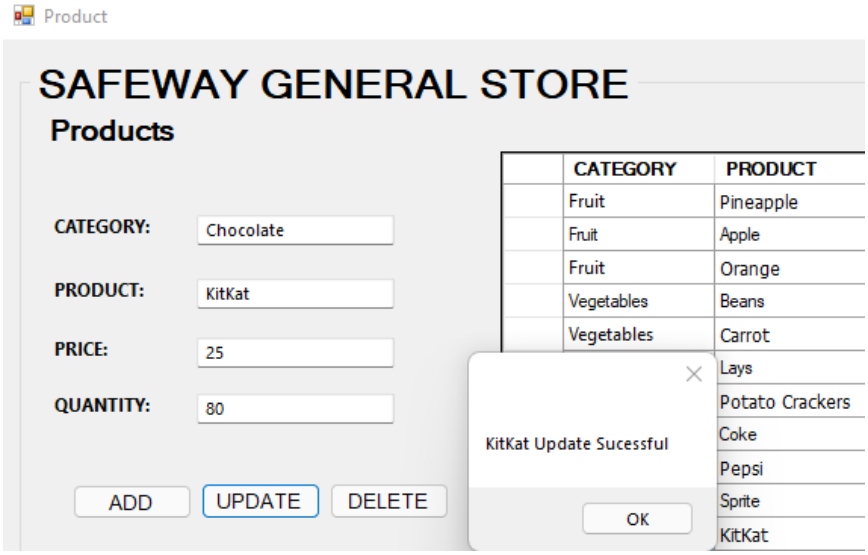

Figure 4: Product updated success message

KAZI-PC\MSSQLSER...tem - dbo.Product

id	Category	Name	Price	Quantity
19	Fruit	Pineapple	30	3
20	Fruit	Apple	25	5
21	Fruit	Orange	15	2
22	Vegetables	Beans	12	29
24	Vegetables	Carrot	18	19
26	Chips	Lays	40	50
27	Chips	Potato Crackers	10	75
28	Drinks	Coke	15	55
29	Drinks	Pepsi	15	65
30	Drinks	Sprite	15	40
31	Chocolate	KitKat	25	80
33	Chocolate	Toblerone	75	14

Figure 5: Updated product list in database

- User can also delete a product from the database by clicking on the product from the table displayed in the product window. User can then click on the ‘delete’ button to delete the product. After the product is deleted, a success message is displayed.

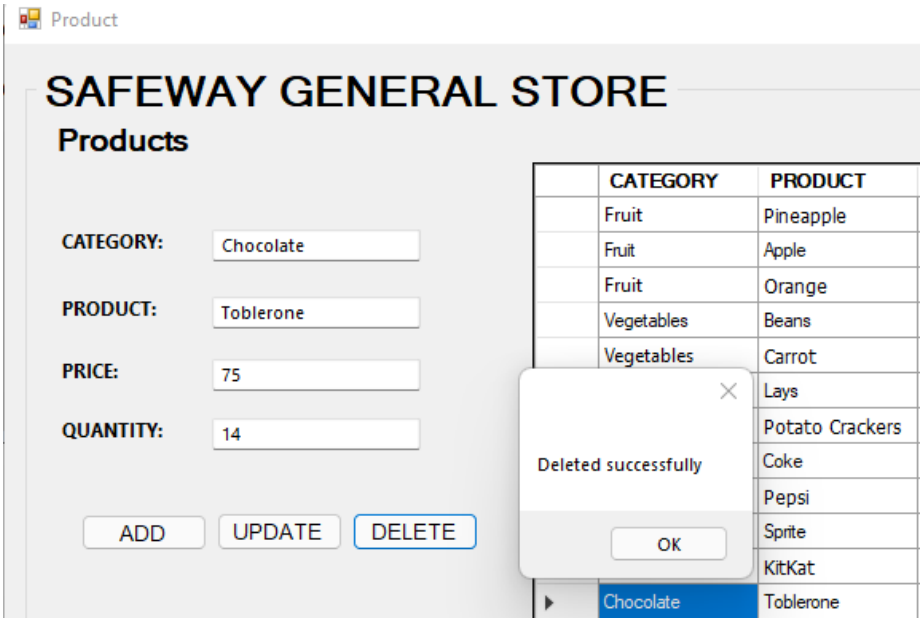

Figure 6: Product deleted success message

KAZI-PC\MSSQLSER...tem - dbo.Product

id	Category	Name	Price	Quantity
19	Fruit	Pineapple	30	3
20	Fruit	Apple	25	5
21	Fruit	Orange	15	2
22	Vegetables	Beans	12	29
24	Vegetables	Carrot	18	19
26	Chips	Lays	40	50
27	Chips	Potato Crackers	10	75
28	Drinks	Coke	15	55
29	Drinks	Pepsi	15	65
30	Drinks	Sprite	15	40
31	Chocolate	KitKat	25	80

Figure 7: Product deleted success message

- User can search for a product by going to the checkout window and entering the product name in the search field.

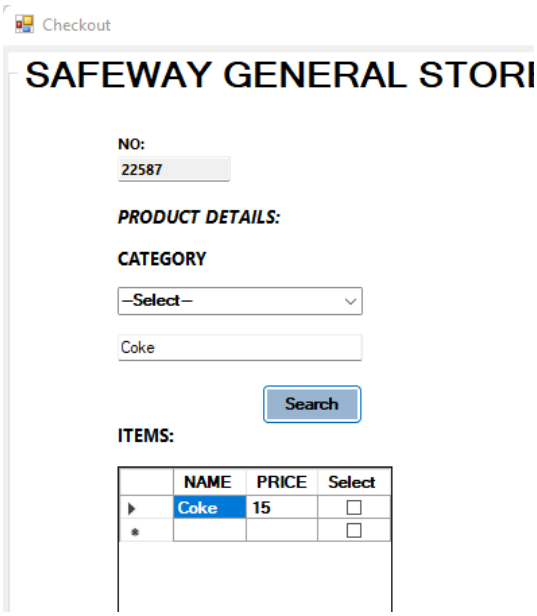

Figure 8: Using search field to search products

- User can search for a product by going to the checkout window and using the category dropdown menu.

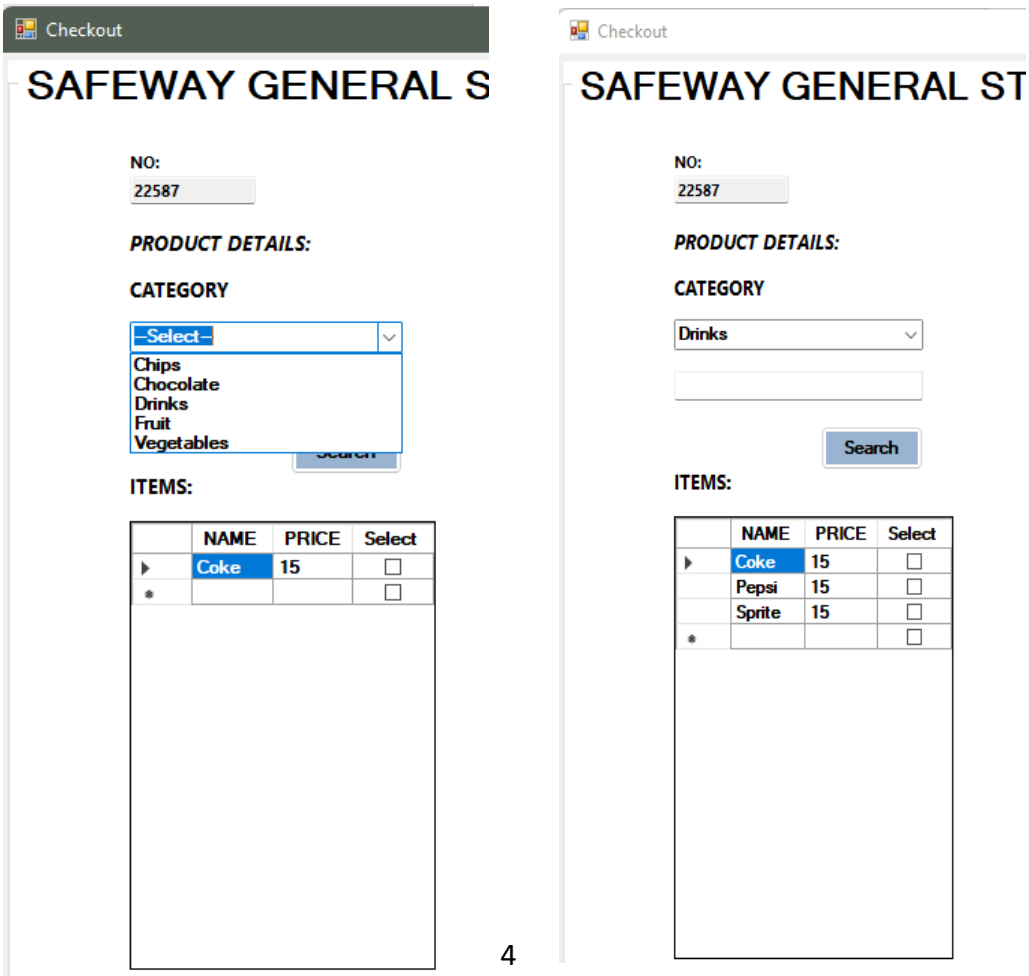

Figure 9: Using dropdown menu to select products

- User can search for a specific transaction by going to the transaction log window and selecting the date at which the transaction took place.

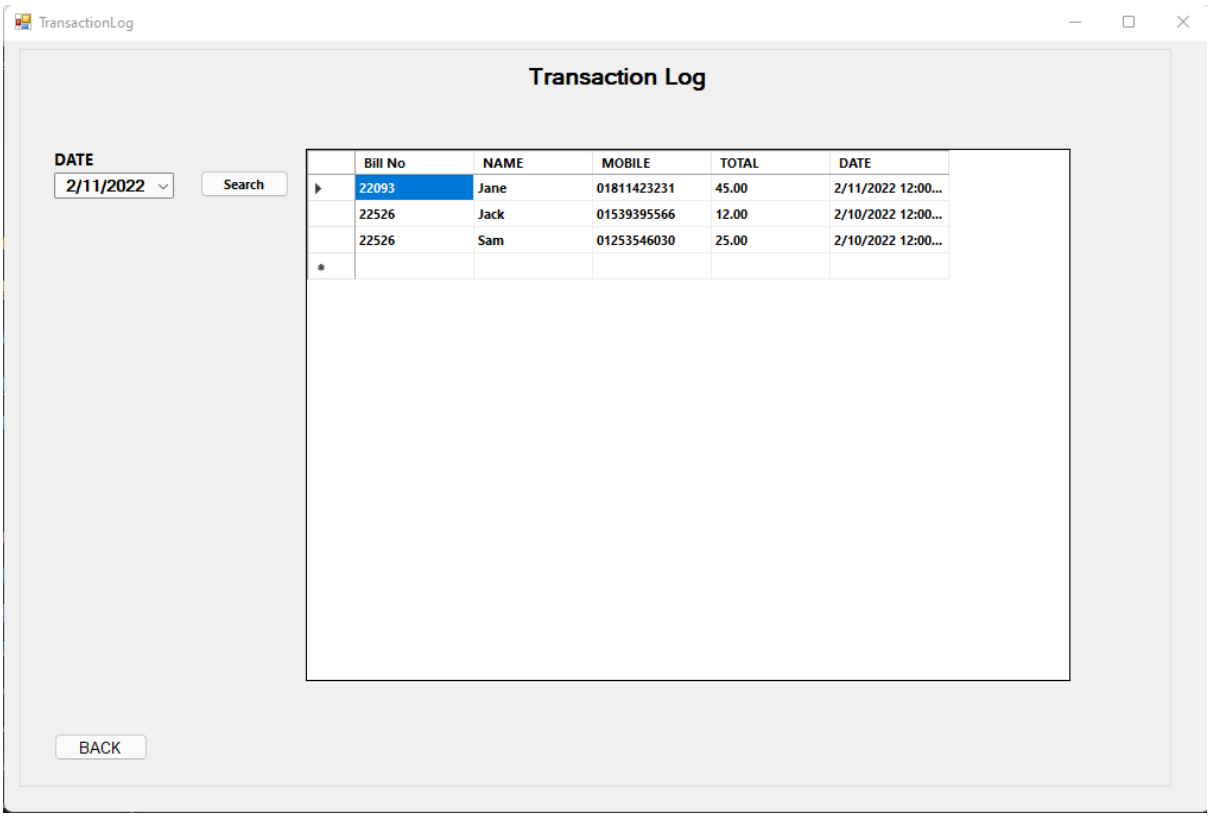

Figure 10: Transaction log window

- In the product window, a table is displayed, presenting all product information stored in the database.

CATEGORY	PRODUCT	QUANTITY	PRICE
Fruit	Pineapple	3	30
Fruit	Apple	5	25
Fruit	Orange	2	15
Vegetables	Beans	29	12
Vegetables	Carrot	19	18
Chips	Lays	50	40
Chips	Potato Crackers	75	10
Drinks	Coke	55	15
Drinks	Pepsi	65	15
Drinks	Sprite	40	15
Chocolate	KitKat	80	25

Figure 11: Product table

- The user interface is user friendly as it contains simple buttons with labelling to navigate the program. Search fields are also placed appropriately so that the user can input any data necessary.
- The program can be used on multiple operating systems as the program is platform independent. The operating system has to have a Microsoft sql server management studio in order for the program to connect to the database and operate accordingly.

Recommendation for further development:

After delivering the final product to my client, he was extremely satisfied with the program. The program solved the issues my client was facing previously. The program successfully manages the inventory of my client's store and keeps a track of sales as well. My client however, made some suggestion about the program for further updates. He suggested that different user clearance levels be introduced into the program. The administrator will have full access over the program, along with editing product information and accessing the transaction log. The user will only be able to use the checkout window. The client also mentioned to display the product list by categories, that would make it much easier for him to navigate. Mr. Ali expressed his desire to integrate a simple total sales function in the transaction log. Once integrated, the program would show the total amount of sales that occurred during a particular day. Lastly, Mr. Ali wishes that a print function can be incorporated into the program. The print function will simply printout a bill of the transaction that took place. This will allow Mr.Ali and his customer to hold a hardcopy of the transaction as well.

Word Count- 516 words