

EVALUATION

Recheck to weight out the effectiveness of the system.

COMPARISON WITH THE ORIGINAL OBJECTIVES

After a few weeks I went back to the tuck shop to ask Mr. Mafukidze how the system was working. I came with a hard copy of the list of objectives we had agreed on early in the design stage to see if my system had met these objectives.

OBJECTIVE JUSTIFICATIONS

With personal aims

Aims

- A system with a basic look, nothing too complicated in order to achieve the goal of being as user friendly as possible but hiding the com
- A system that will allow making note of a transaction faster than writing the whole transaction out using “the Book Keeping.”
- A system that allows easy input in terms of addition of new products and basic communication when a normal transaction is happening with the application.

Full Justification

With the results and the comments from the user I felt as if my personal aims were achieved. The system was user friendly and seemed simple, It can replace the whole book system of the user and inputting of records seemed as easy as can be

With agreed objectives

Final Objectives and justifications

- A Product File that stores all the products with their individual details forming the main file of the program.
 - This file must automatically update after each transaction.
 - $\text{Quantity} = \text{Quantity} - \text{Amount Sold}$.
 - The system must also check products after deduction of quantity from result of a sale
 - If $\text{Quantity} \leq \text{Reorder Level}$ then the product needs Reorder

See the Testing of the counter form and the reorder query.

- A Transaction File must be made that records all the transactions/sales that occur and their details which can be accessed and assessed when need arises, in the extremely unlikely situation where by a receipt is requested the system can produce a hard copy of the transaction details.
 - Each transaction will have
 - Date and Time
 - Products Bought
 - Sub Total
 - Transaction Id

The transactions table and sales tables hold all the information

- A notification to the user as he logs in, informing him about realized shortages and or any upcoming/predicted.

The reorder list that pops up in login to the main menu See testing on main menu and login forms

- A Statistics File that records all the sales details for a particular time period different from the transaction file although transaction file can be main data source and a Statistics Menu that can, at any time period give chart results on what's happening during any time period (month, year, week), showing the user statistics about the business' performance and products that he might have to stop selling or others that he has to increase in terms of quantity or even variety.

The queries formed for each of the time period and in conjunction with everything under the statistics menu contributes to meeting this objective.

- An option that can add new products to inventory for whichever reasons the user has to do so.

The add new product form: see the add product form testing

- An option that allows deletion of product records, when the user decides to stop selling it for one reason or the other.

The delete option in the modify record form: See the modify product form testing

- A system that can modify or alter of a product record in case of prices being raised for one reason or the next or fixing an input mistake.

The modifying option and process is described in the modify product form: See Modify Product form testing

- A system that has some form of authentication so that only the user or employee can have easy access and another "master key password" of which will be kept by an

individual of the owners choice in case of emergencies and for important access right including modifying records.

The login process has two password the normal one and the admin one that unlocks and is used in case of emergencies (system lock etc.)

- A main transaction screen (counter) which has an icon related interface involving every product for easy identification, also to have tabs depending on the product type to help with the navigation of the many products available.

The counter form: See the counter form testing

- A function that allows the user to search for a particular product for product detail modification purposes.

The find product function in the modify product form: See modify product form

- A help option which shows the user a virtual manual that consists of instructions for each and every appropriate angle (form) of the system in English.
 - This will also contain shortcuts linked to key words as a form of easier navigation around the “Application”

The help form with the buttons to each part of the application with hover display instructions: See help form testing.

Although all the agreed upon requirements were met there were a few problems discovered that seem difficult to solve.

The issues with power cuts became a problem as a computer is needed for the business to run.

The user tried to solve this by having a book on the side and adding the updated transactions when the power came back