PROJECT REPORT

ON

SHOPRITE INVENTORY SYSTEM

VOTING SYSTEM

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DCIT 312 PROGRAMMING 2

COMPUTER SCIENCE DEPARTMENT

DEFINITION OF TERMS

SHOPRITE INVENTORY SYSTEM GHANA LEGON BRANCH

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ABSTRACT

SHOPRITE ShopRite Supermarkets is a retailers' cooperative chain of supermarkets in the northeastern United States, with stores in New Jersey, New York, Connecticut, Delaware, Maryland, and Pennsylvania. Based in Keasbey, New Jersey, ShopRite consists of 48 individually owned-and-operated affiliates with 250 stores, all under its corporate and distribution arm, Wakefern Food Corporation. Wakefern itself owns and operates 30 of the locations through

subsidiary ShopRite Supermarkets, and is the largest affiliate in the cooperative. As of 2011, ShopRite is the largest retailer of food in Greater Philadelphia, pushing long-dominant Acme Markets to second place. As of 2011, Wakefern was ranked 17th by sales among all supermarket operators in the US.

The word "inventory" means the accounting of items, component parts and raw materials that a company either uses in production or sells. As a business leader, you practice inventory management in order to ensure that you have enough stock on hand and to identify when there's a shortage. keeping track of raw materials, safety stock, finished goods or even packing materials, businesses are collecting crucial data that influences their future purchasing and fulfillment operation

INTRODUCTION TO SHOPRITE INVENTORY SYSTEM

The "SHOPRITE INVENTORY SYSTEM" is a syetem made for a shoprite company to assist the firm to be able manage it company concerning the keeping track of raw materials, safety stock, finished goods or even packing materials, businesses are collecting crucial data that influences their future purchasing and fulfillment operation and also to be able to add and remove workers /employees into the system .This helps admin to know the progress of the company.keeping data on sheet of paper is sometimes not in a safe hands because it is so easy for it be manipulated by a worker with bad intentions .This system is built in a way to allow the Head that is admin to be able to know each and every changes or sales made on the system and know the income and etc.

SIGNIFICANCE OF STUDY

The main purposes of SHOPRITE INVENTORY SYSTEM

- An admin is able to manage product categories
- An admin is able to manage products
- An admin is be able to set a reorder level for each product
- An admin is be able to manage stock
- An admin is be able to create and manage other users
- An admin is be able to reset password for other users
- An attendant is be able to open and start a till(sales)
- An attendant should be able to perform sales transaction, a typical sale involve;
  - Scanning of barcode of product
  - Recording of transaction with transaction detail
  - Maintaining appropriate ledger on stock levels
  - Generating sales receipt
- An attendant is be able to close till(sales) for the day
- Attendant is able to generate sales report for daily transactions
- Admin is be able generate sales report
- All parties should be able to login with username and hashed passwords

Objectives Of The PROJECT

- An admin should be able to manage product categories
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Project justification

The Shoprite inventory shall reduce the time spend making calculating the number of products being sold out and also calculating instock and outstock in the firm .

Requirements:

1) An employee is given a unique logins and PASSWORD.

2) In the DATABASE information of every employee is stored.

3) Database shows the information of every user.

4) An employee must be added on the data by admin before you can login

SOFTWARE REQUIREMENTS:

i. **MYSQL DBMS-** It allows combination, extraction, manipulation and organization of data in the voters' database. It is platform independent and therefore can be implemented and used across several such as Windows, Linux server and is compatible with various hardware mainframes. It is fast in performance, stable and provides business value at a low cost.

ii. **VISUAL STUDIO 2022**

iii. **C# coding-**This is for advanced user who find c# codes easy to work with.

iv. **Testing-** is done via XXAMPSERVER.

HARDWARE REQUIREMENTS:

- **Microsoft Windows 8, 10,11Professional:**

  - **Processor:** 1.OGHz or equivalent

  - **Memory:** 512 MB

  - **Disk space:** 750 MB of free disk space
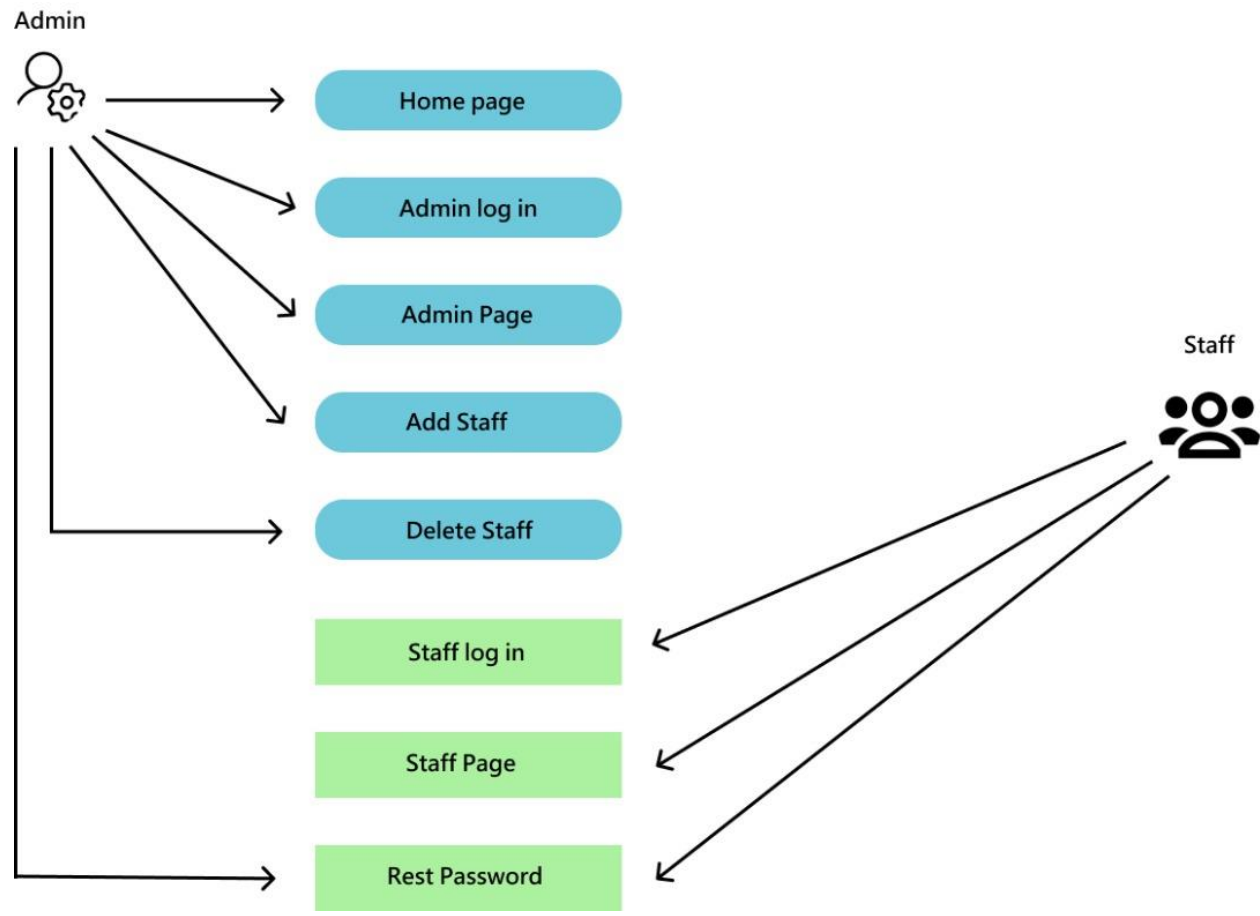

  - **DESKTOP CORE I3 UPWARDS**

  - **Memory:** 512 MB

  - **Disk space:** 650 MB of free disk space

FRONT – END : The front end was made with css and little of html as style and the position of the touchable leopacity for the front end to be user friendly .

BACK-END: The backend was buit with c# and was linked with msql as the Database which was also hosted with xammp.

Data Flow Diagram:

User case study

Admin

Home page

Admin log in

Admin Page

Add Staff

Delete Staff

Staff log in

Staff Page

Rest Password

Staff

ER Diagram:
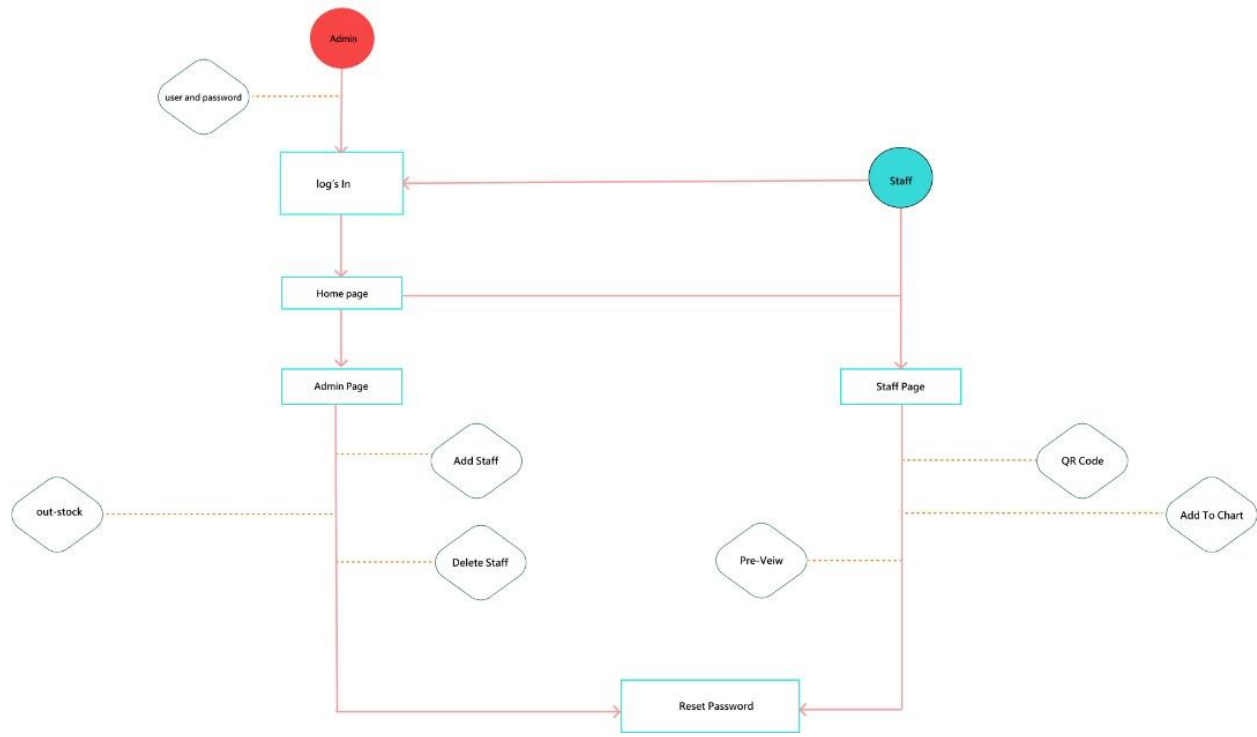
Data Base Tables:-

This project uses many tables:

Admin

STAFF

Products

APPENDIX :

SNAPSHOTS

HOME PAGE

THIS is how the home page is diplayed on the system which contains two buttons that is the admin and the staff buttons .if an   ADMIN wants to enter into the system he clicks and it takes him to where his credentials are needed

ADMIN LOGIN PAGE

This is the page where an admin enters his credentials so that he would be able manipulate the system

Wrong passcode by ADMIN

This is the pop up menu that will show when admin enters wrong credentials into the system .a feedback is given to show that your passcode or your user name is wrong .
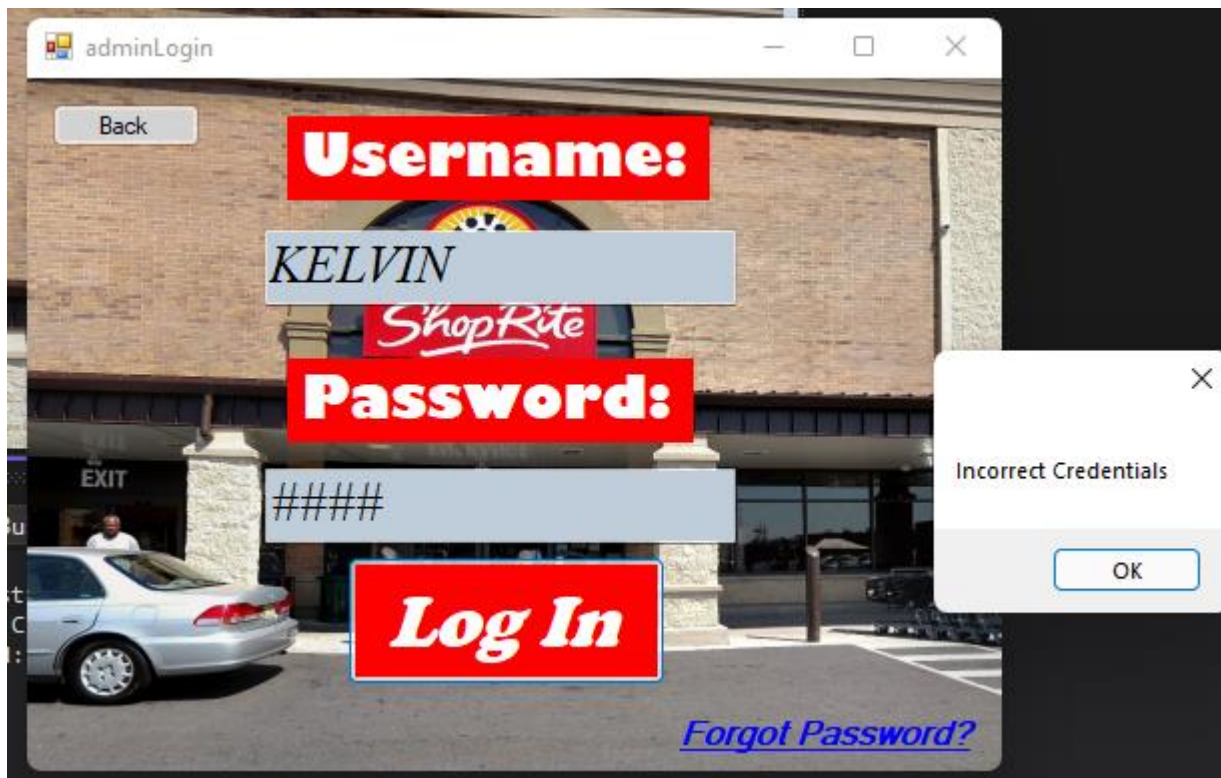
CORRECT LOGINS BY ADMIN

This also the pop up menu that will show when the credential provided by Admin is correct the system gives feedback saying that admin logins successful.
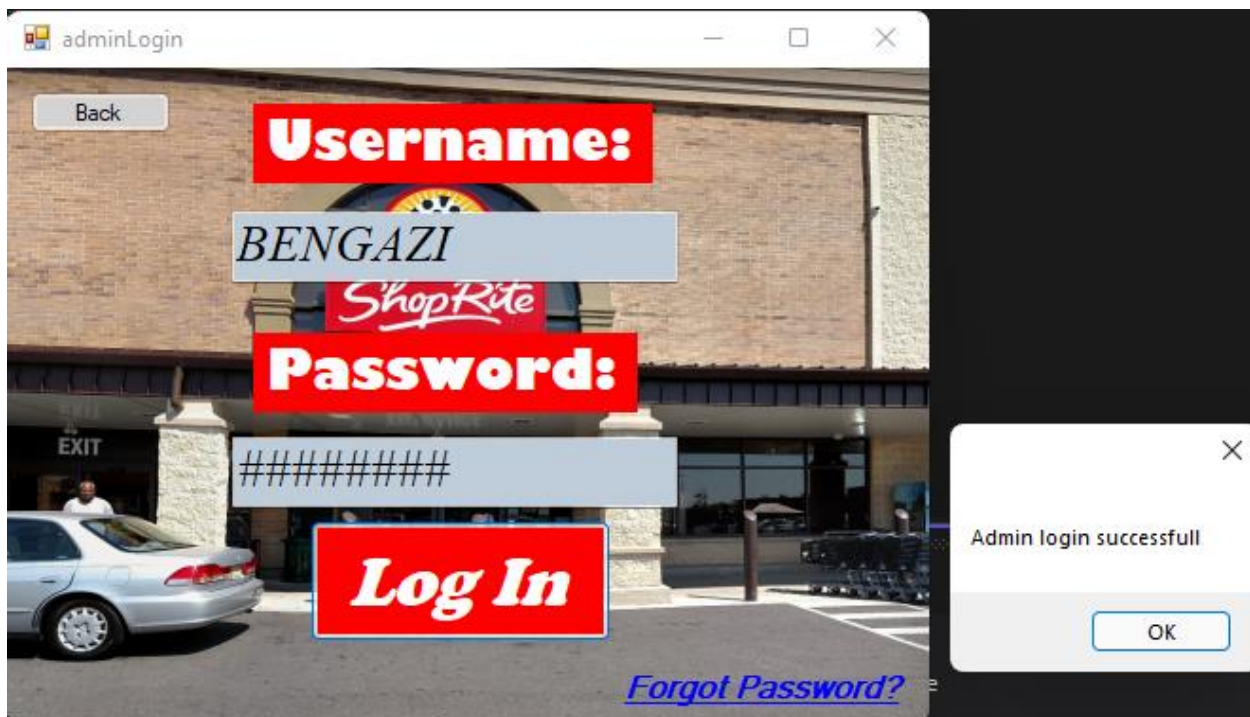
ADMIN PAGE TO MAKE CHANGES

This page also assist the admin to be able to see the outstocked and also be able to remove a staff /employee and also add a staff to the system.
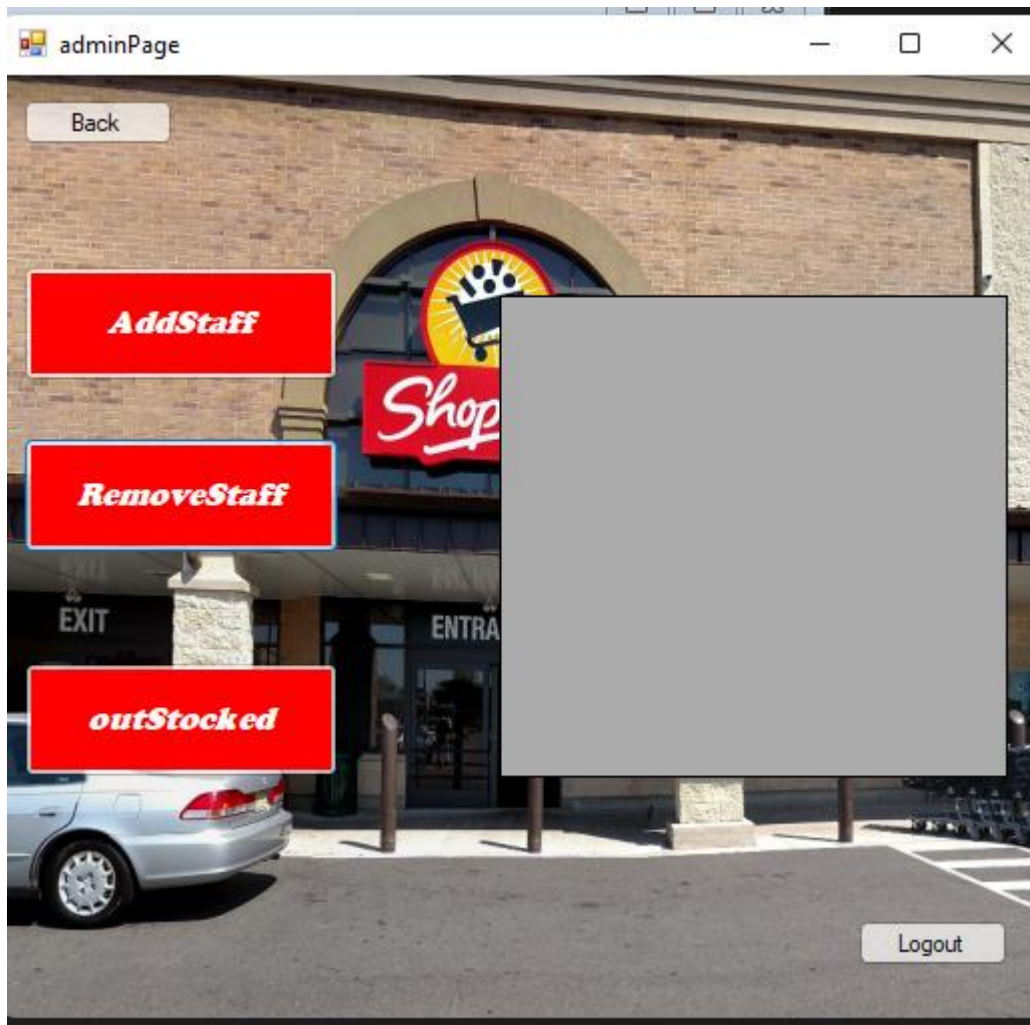
ADMIN ADDING A STAFF

With this page Admin is able to add staff by just knowing the username of the worker and a passcode is also generated for the worker so anytime he logs in he will be recognise by the

system.

DELETING OR REMOVING A STAFF FROM THE SYSTEM

This is where an admin is able to remove a worker from the system .To prevent the worker entry into the system .by deleting his or her credential from the system .

ADMIN CHECKING OUTSTOCK

This is where admin checks the stuffs being sold and stuffs overleft on the system,get to know if the company is progressing or not .with this section too admin is able add new product and also eliminate lets waste or expired product .
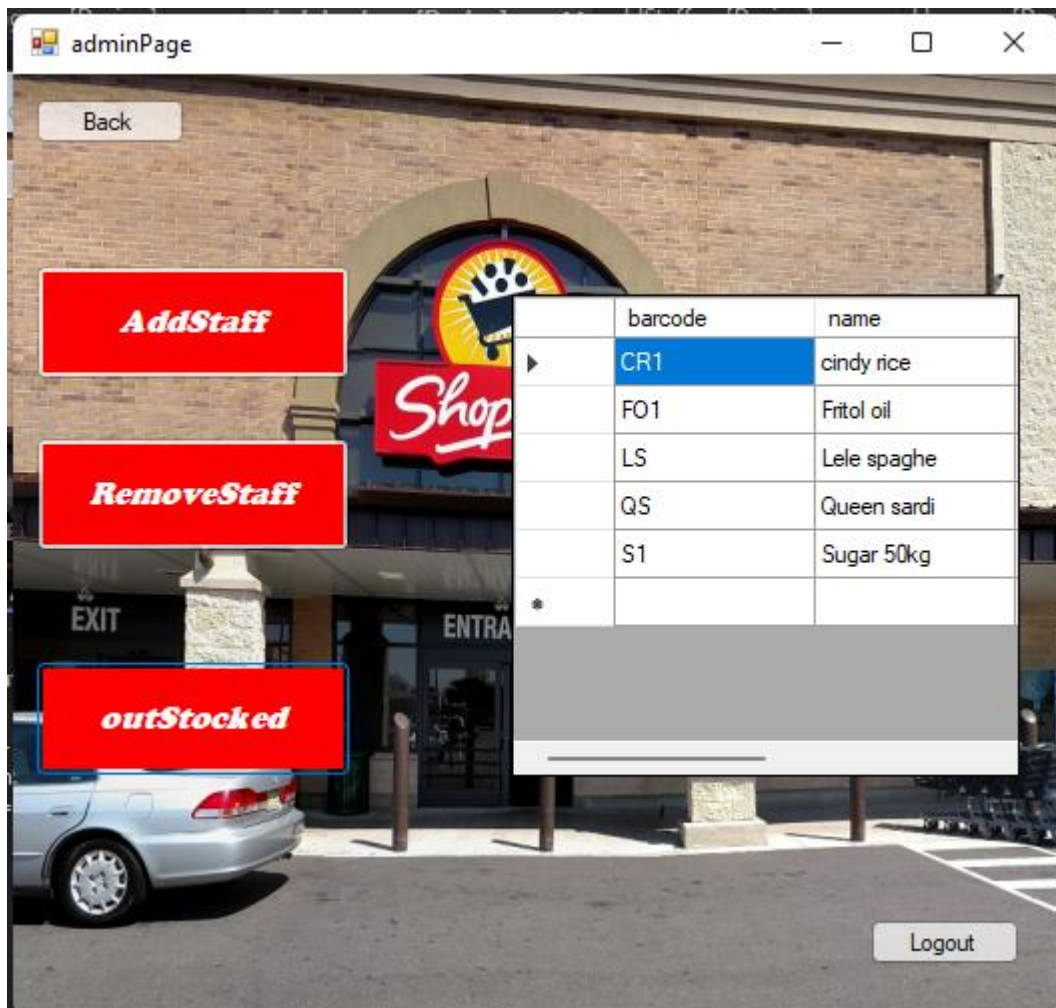
STAFF LOGINS

This section appears when staff selects staff option on the home page he or she required to provide credentials and when when wrong credential is provided this is what happens .this is what shows when wrong input are

made.
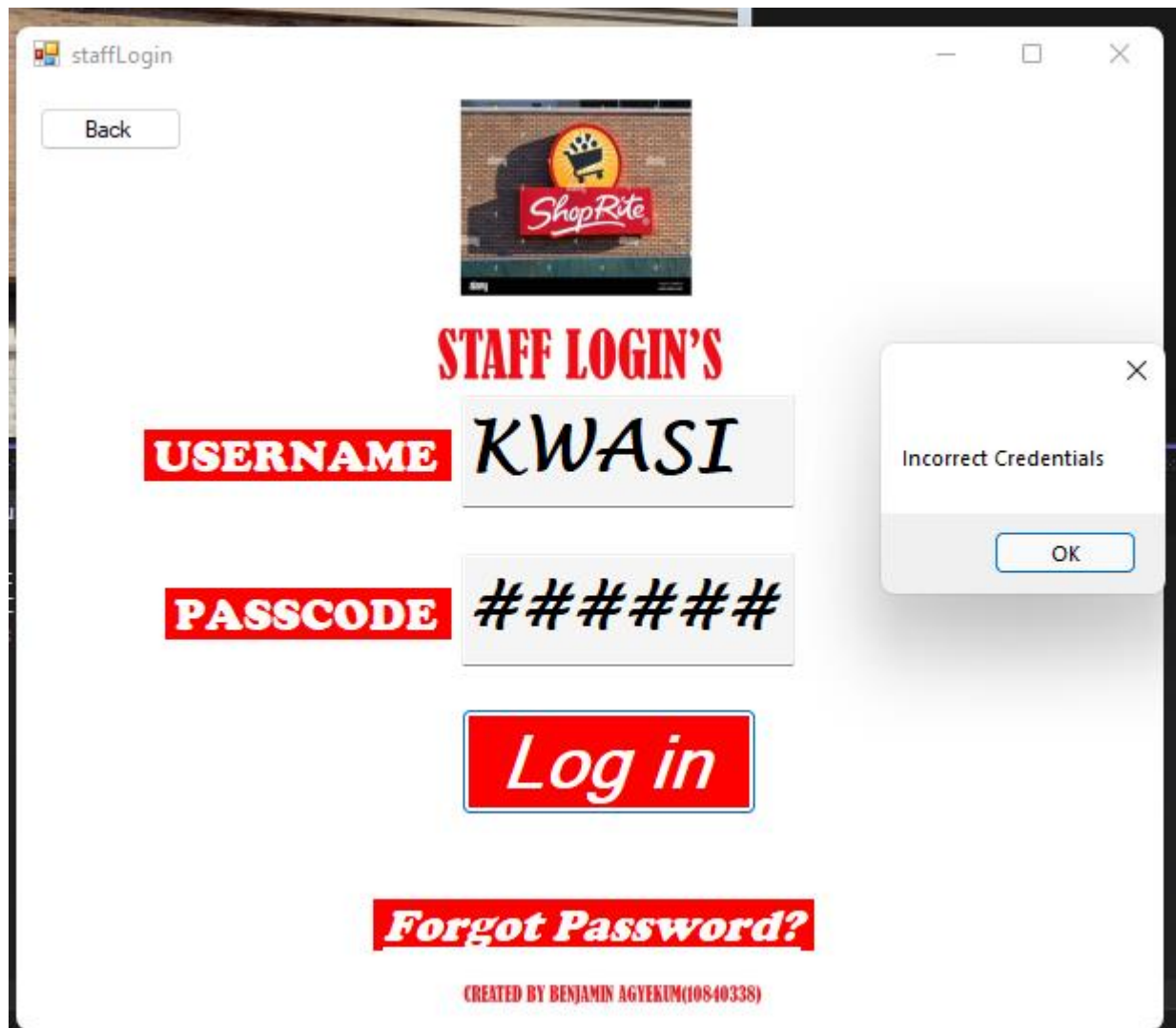
PASSWORD RESET BY STAFF

This is where staff generates new credentials since he or she forgots password and clicks on the forgot password button.it carries staff to this page to create new one .

Firstname

Username

EXIT

Passcode

**Confirm passcode**

Admin Reset

Staff Reset
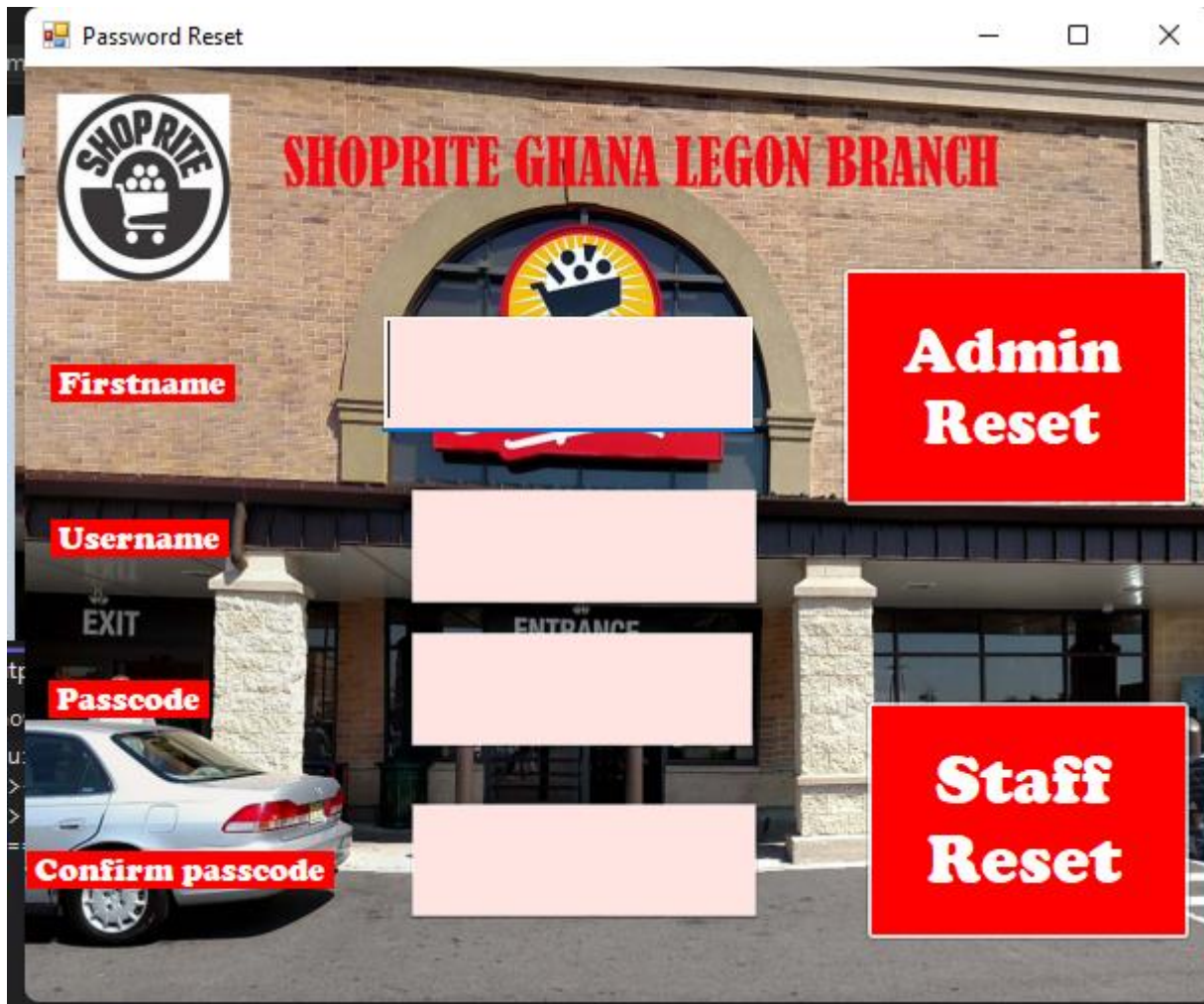
PRODUCT PAGE LOGGED IN BY STAFF

This is the that allows staffs to sell or determines the price and also search for a products being requested by a client .it contains barcode ,product and add cart .This is said to be the page for the staff .
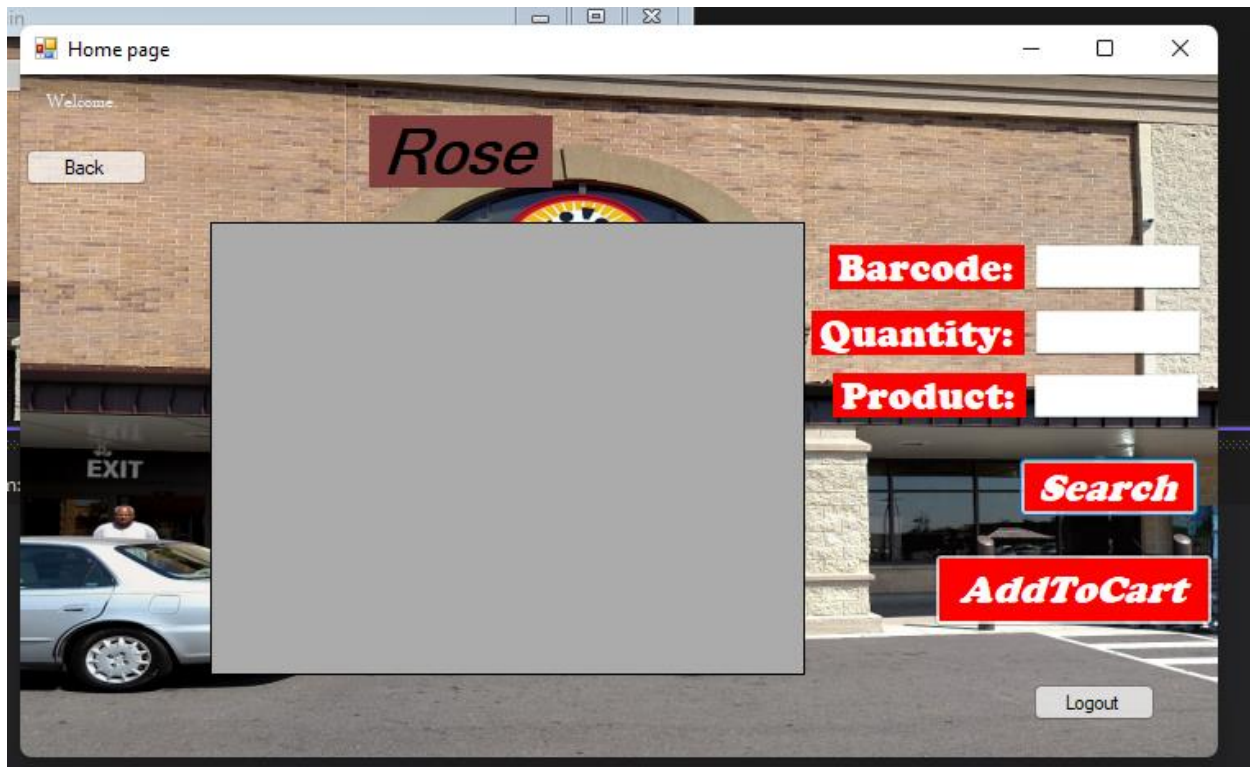
STAFF SEARCHING FOR A PRODUCT ON THE SYSTEM USING A BARCODE.

This page shows a staff searching for a product using a barcode .a barcode is like using a mnemonic to call a product on the system .
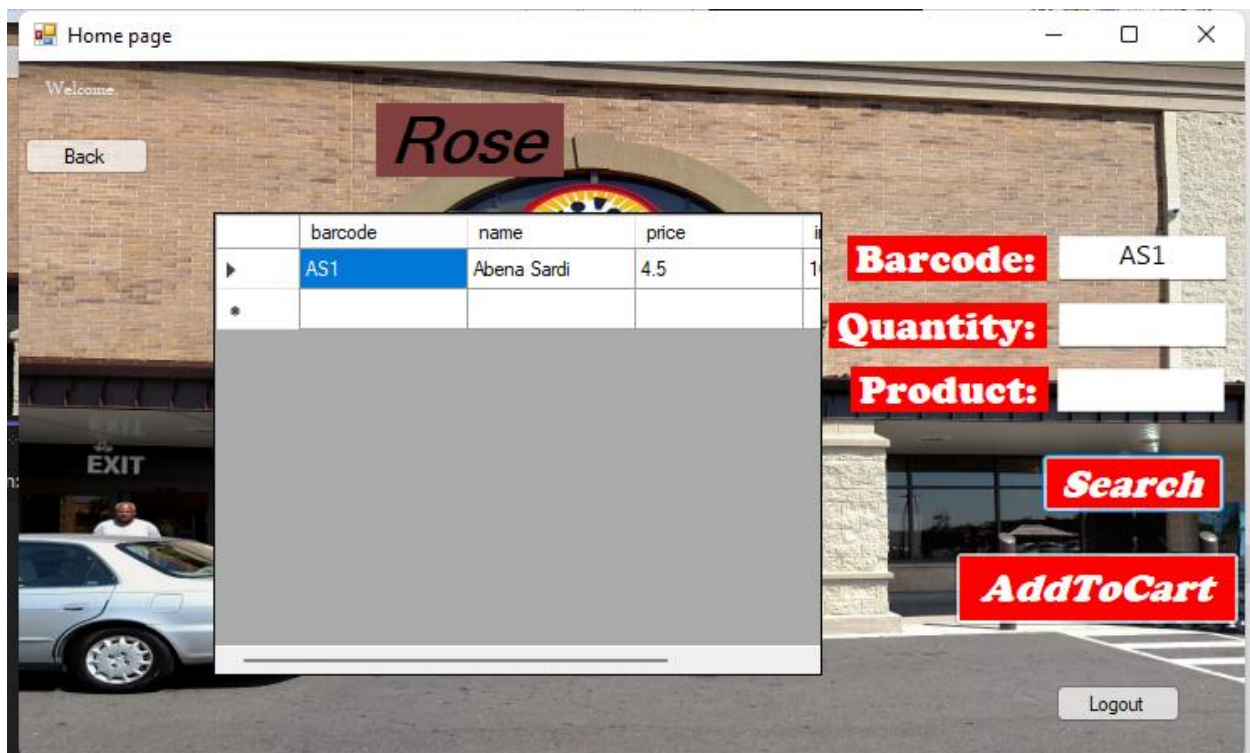
STAFF SEARCHING A PRODUCT ON SYSTEM .

The previous page was the use of barcode to search for the product but this time the staff is calling the product using the name of the product .it also comes with the price of the product.
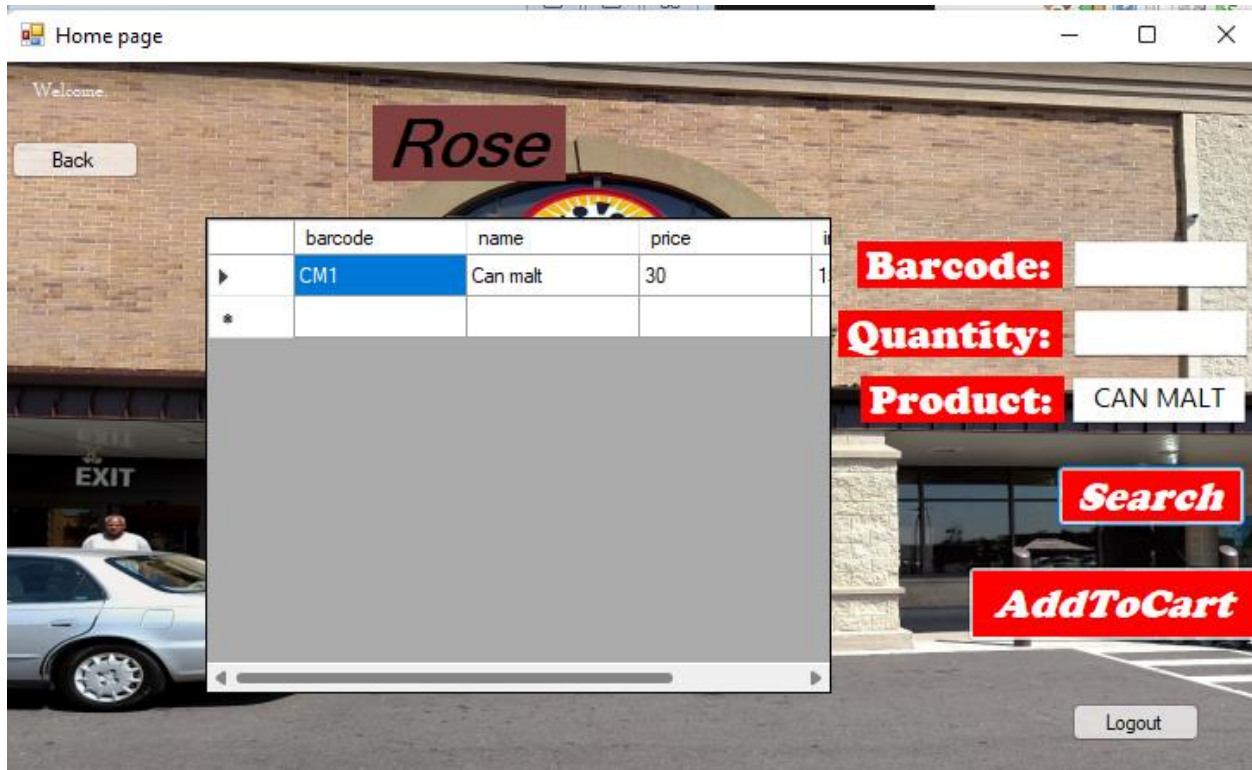
PROJECT DONE BY BENJAMIN AGYEKUM