



SALES MANAGEMENT SYSTEM

IN THE FUTURE TECHNOLOGY IS DEVELOPING VERY FAST



Login

Login

Username

Password

Sign in

SALES & INVENTORY MANAGEMENT SYSTEM

Encouraging the growth of creative industries

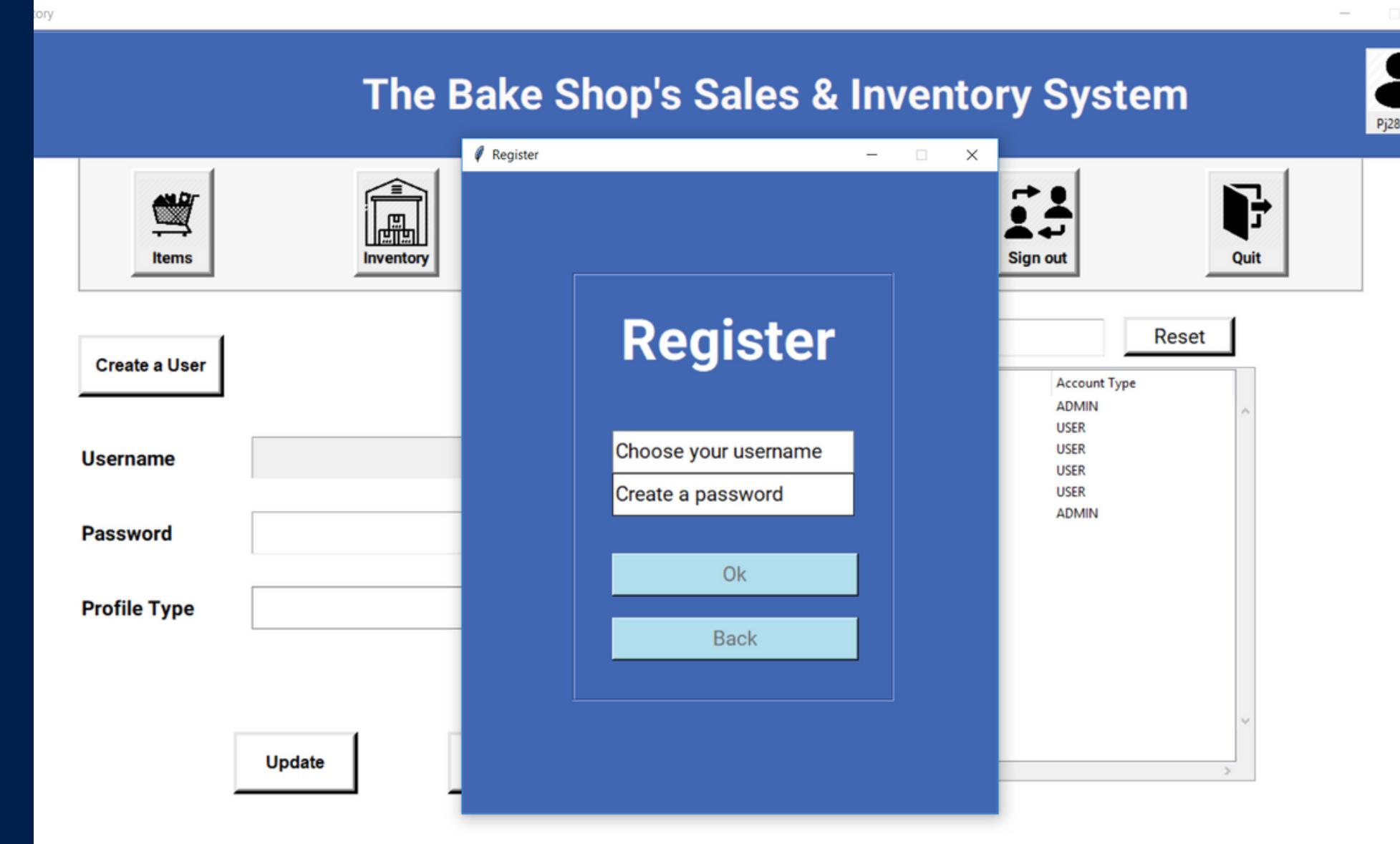
SCOPE:

The purpose of the whole project is to create a system for an organization that will manage their sales and inventory records. The scope of the project is to give a simple and attractive application to simplify the work of administrators and employees of the organization.

MAIN WINDOW

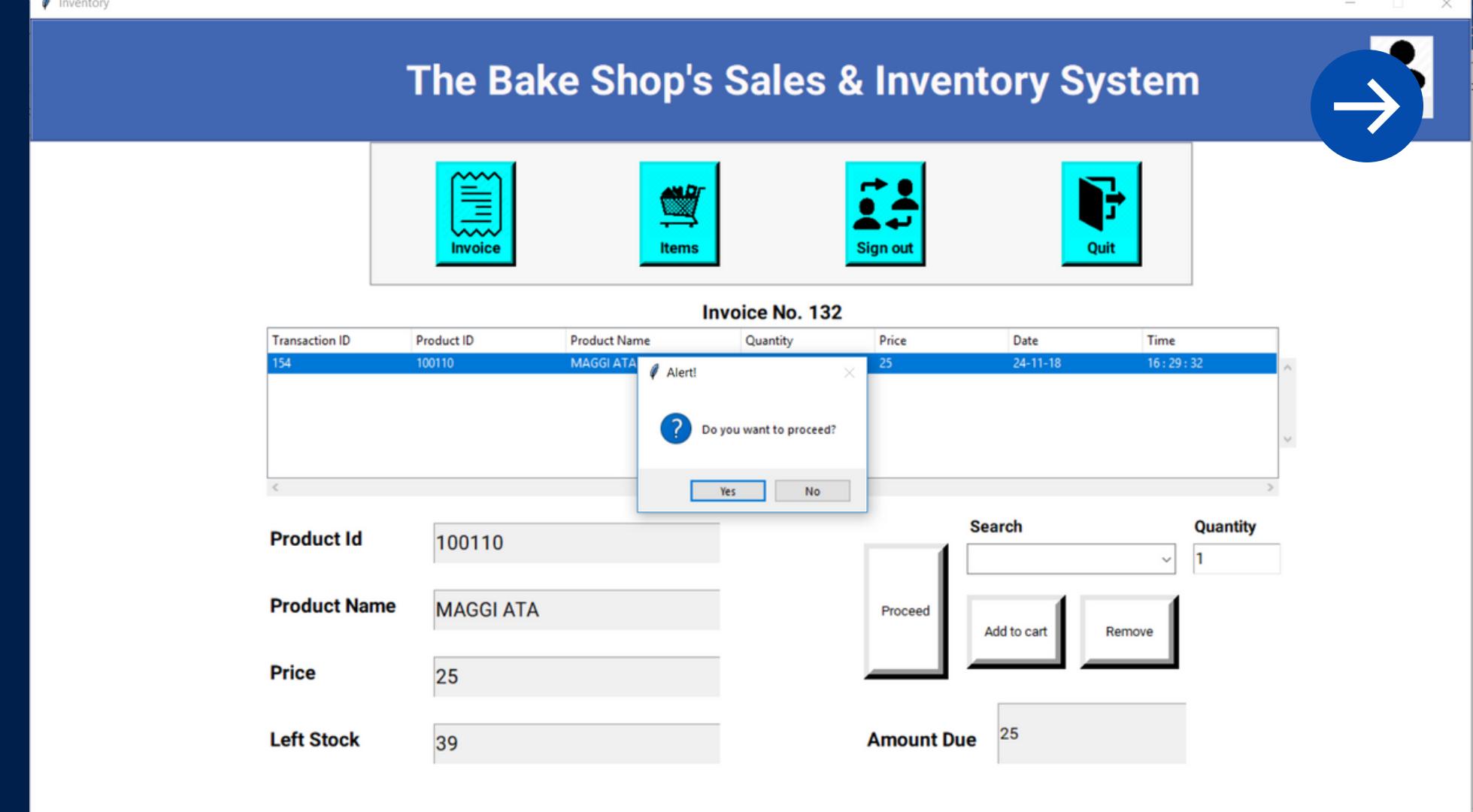
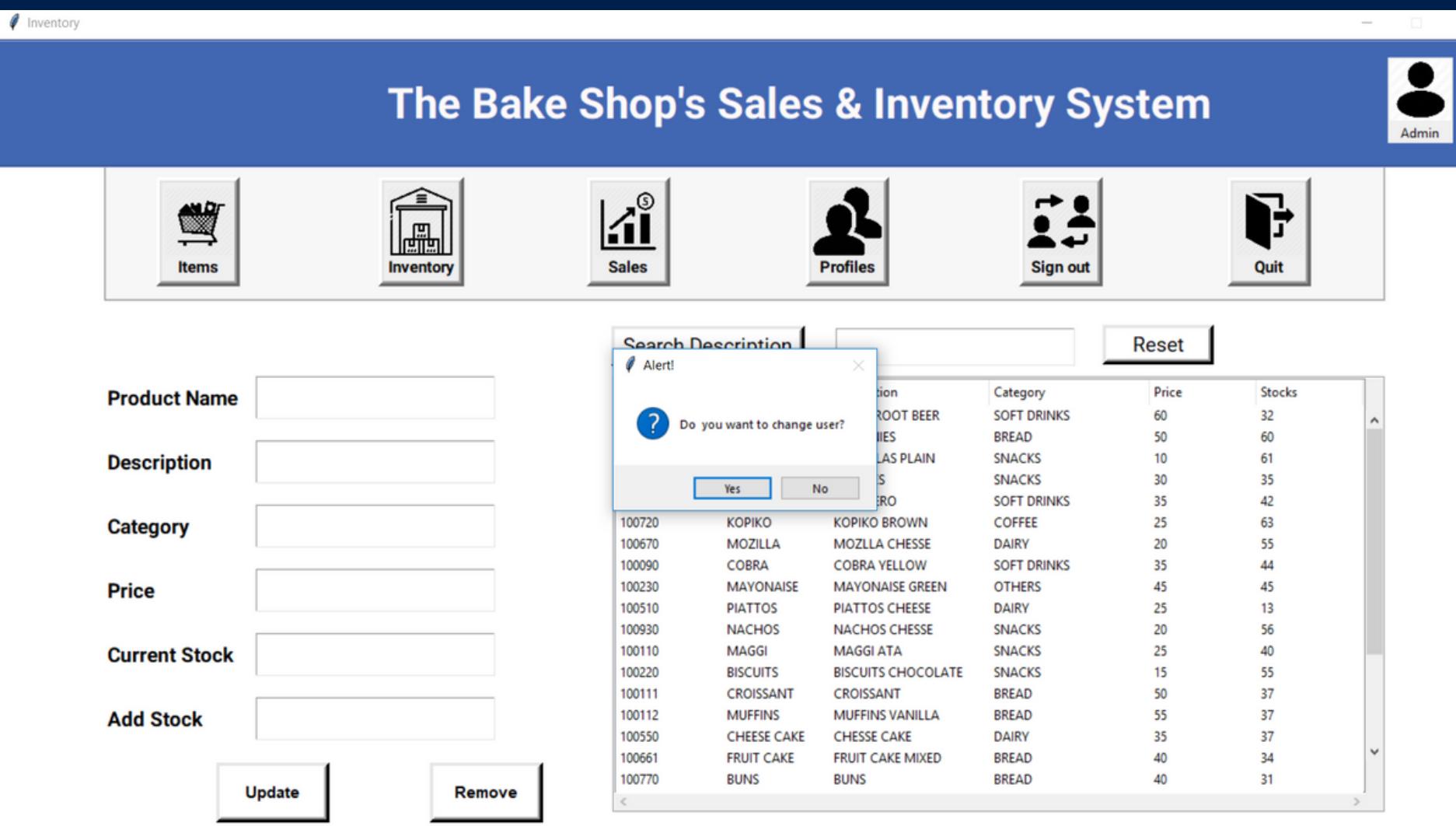
REAL LIFE USAGE

This project is affiliated to a bakery. It will maintain bakery's sales and inventory's record. It will enable bakery's administrators and employees to maintain their record more efficiently and easily.



IMPLEMENTATION

Project's GUI is implemented using Python module Tkinter which has a Database at backend to maintain all records of the bakery. Project is implemented by using OOP Paradigm.



Database is implemented by a Python module Sqlite3. It is a SQL based database.

RELATIONAL DATA BASE DESIGN



Login

- Username (Primary key)
- Password (Not Null)

The screenshot shows the SQLite Browser interface with the database file 'E:\GUI\login.db'. The 'Tables' section lists three tables: 'products', 'sales', and 'users'. The 'users' table has columns: 'username' (primary key), 'password' (not null), and 'account_type'. The 'Schema' pane displays the CREATE TABLE statements for each table.

```
CREATE TABLE "products" ( 'product_id' varchar ( 20 ), 'product_name' varchar ( 50 ) NOT NULL, 'product_desc' varchar ( 50 ) NOT NULL, 'product_cat' varchar ( 20 ) NOT NULL );  
CREATE TABLE "sales" ( 'Trans_id' INTEGER NOT NULL, 'Product_id' varchar ( 20 ), 'Quantity' INTEGER NOT NULL, 'Date' varchar ( 20 ) NOT NULL );  
CREATE TABLE "users" ( 'username' varchar ( 20 ), 'password' varchar ( 20 ) NOT NULL, 'account_type' varchar ( 10 ) NOT NULL, PRIMARY KEY('username') );  
PRAGMA user_version = 1;  
PRAGMA wal_autocheckpoint = 1000;  
SELECT COUNT(*) FROM (SELECT '_rowid_','username','password','account_type' FROM 'users' ORDER BY '_rowid_');  
SELECT COUNT(*) FROM (SELECT '_rowid_','product_id','product_name','product_desc','product_cat' FROM 'products' ORDER BY '_rowid_');  
SELECT COUNT(*) FROM (SELECT '_rowid_','Trans_id','Product_id','Quantity','Date' FROM 'sales' ORDER BY '_rowid_');
```



Products

- Product id (Primary key)
- Product name (Not Null)

The screenshot shows the application window titled 'The Bake Shop's Sales & Inventory System'. The menu bar includes 'File', 'Edit', 'View', 'Help', 'Inventory', 'Sales', 'Profiles', 'Sign out', and 'Quit'. The main interface features several buttons: 'Items' (with a shopping cart icon), 'Inventory' (with a warehouse icon), 'Sales' (with a bar chart icon), 'Profiles' (with a person icon), 'Sign out' (with a person icon), and 'Quit' (with a document icon). On the left, there are input fields for 'Product Name', 'Description', 'Category', 'Price', 'Current Stock', and 'Add Stock', along with 'Update' and 'Remove' buttons. On the right, a table displays product data with columns: Product ID, Product Name, Description, Category, Price, and Stocks. The table contains 30 rows of data.

Product ID	Product Name	Description	Category	Price	Stocks
100730	A & W	A & W ROOT BEER	SOFT DRINKS	60	32
100120	BROWNIES	BROWNIES	BREAD	50	60
100700	TORTILLAS	TORTILLAS PLAIN	SNACKS	10	61
100760	COOKIES	COOKIES	SNACKS	30	35
100280	COKE	COKEZERO	SOFT DRINKS	35	42
100720	KOPIKO	KOPIKO BROWN	COFFEE	25	63
100670	MOZILLA	MOZILLA CHESSE	DAIRY	20	55
100090	COBRA	COBRA YELLOW	SOFT DRINKS	35	44
100230	MAYONaise	MAYONaise GREEN	OTHERS	45	45
100510	PIATTOS	PIATTOS CHEESE	DAIRY	25	13
100930	NACHOS	NACHOS CHESSE	SNACKS	20	56
100110	MAGGI	MAGGI ATA	SNACKS	25	40
100220	BISCUITS	BISCUITS CHOCOLATE	SNACKS	15	55
100111	CROISSANT	CROISSANT	BREAD	50	37
100112	MUFFINS	MUFFINS VANILLA	BREAD	55	37
100550	CHEESE CAKE	CHEESE CAKE	DAIRY	35	37
100661	FRUIT CAKE	FRUIT CAKE MIXED	BREAD	40	34
100770	BUNS	BUNS	BREAD	40	31



Login

Username

Password

Sign in

LOGIN SCREEN

From this screen you can login in as bakery's administrator or bakery's employee.

There are two different account types:-
Admin
User



Administrative Permissions

The screenshot shows the main window of the software. At the top, a blue header bar displays the title "The Bake Shop's Sales & Inventory System". On the far right of the header is a user profile icon with the initials "Pj". Below the header is a menu bar containing four items: "Invoice" (represented by a document icon), "Items" (represented by a shopping cart icon), "Sign out" (represented by two user icons), and "Quit" (represented by a door icon). The main content area is titled "Invoice No. 132". It contains a table with the following data:

Transaction ID	Product ID	Product Name	Quantity	Price	Date	Time
154	100110	MAGGI ATA	1	25	24-11-18	16:29:32

Below the table, there are input fields for product details: "Product Id" (100110), "Product Name" (MAGGI ATA), "Price" (25), and "Left Stock" (39). To the right of these fields are buttons for "Proceed", "Add to cart", and "Remove". Above the "Proceed" button is a search bar labeled "Search" with a quantity of "1". To the right of the "Amount Due" field is another quantity field showing "25".



INSIDER WORKING

Make it easier to gather and perform database with sales management system

The Bake Shop's Sales & Inventory System



Pj

Invoice

Items

Sign out

Quit

Product ID	Product Name	Description	Category	Price	Stocks
100730	A & W	A & W ROOT BEER	SOFT DRINKS	60	32
100120	BROWNIES	BROWNIES	BREAD	50	60
100700	TORTILLAS	TORTILLAS PLAIN	SNACKS	10	61
100760	COOKIES	COOKIES	SNACKS	30	35
100280	COKE	COKEZERO	SOFT DRINKS	35	42
100720	KOPIKO	KOPIKO BROWN	COFFEE	25	63
100670	MOZILLA	MOZLLA CHESSE	DAIRY	20	55
100090	COBRA	COBRA YELLOW	SOFT DRINKS	35	44
100230	MAYONNAISE	MAYONNAISE GREEN	OTHERS	45	45
100510	PIATTOS	PIATTOS CHEESE	DAIRY	25	13
100930	NACHOS	NACHOS CHESSE	SNACKS	20	56
100110	MAGGI	MAGGI ATA	SNACKS	25	40
100220	BISCUITS	BISCUITS CHOCOLATE	SNACKS	15	55
100111	CROISSANT	CROISSANT	BREAD	50	37
100112	MUFFINS	MUFFINS VANILLA	BREAD	55	37
100550	CHEESE CAKE	CHESSE CAKE	DAIRY	35	37
100661	FRUIT CAKE	FRUIT CAKE MIXED	BREAD	40	34
100770	BUNS	BUNS	BREAD	40	31

The Bake Shop's Sales & Inventory System



Pj28105

Items

Inventory

Sales

Profiles

Sign out

Quit

Create a User

Username:

Password:

Profile Type:

Search Username:

Username	Password	Account Type
PJ28105	ADMIN	ADMIN
PJ	PJ	USER
ROOPALI	RJ	USER
SHUBHANK	KHARE7673	USER
RISHIJAIN	RISHI@JAIN	USER
ADMIN	ADMIN	ADMIN

Update

Remove

what can be done?

- Update Inventory
- Add / Remove Items
- Sales / Receipt
- Profiles
- Sign In / Out
- Load / Quit





CONTACT US

Such progress is seldom abrupt, but rather a steady, progressive, and intricate process that occurs over a relatively lengthy period of time.



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MEET OUR TEAM



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THANK YOU!

YOU MUST BE THE CHANGE YOU WISH TO SEE IN THE WORLD.