THE MARKET

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CLASS	VP
SEM	5th
SECTION	BLUE
DEP	BS-SE

SEMSTER PROJECT

UNIVERSITY OF SIALKOT

DEPARTMENT OF COMPUTING AND IT

The Market

The market is a computer application that can handle everyday work at a market. It is not a simple computer application, the application itself is a combination of some management systems used in a market for everyday work. The market can do many of things that can make your work productive. The application can perform following tasks:

- Creating bill.
- Taking record of the bill.
- Hiring and saving record of the staff.
- The system includes a web-browser to look for product prices online.
- It can Add,Remove Staff.
- It can Add,Remove Products.
- The main thing is that the system is totally protected unauthorized users cannot login to the application.

The application built using the following technologies:

- C#
- .NET
- Widows.Forms
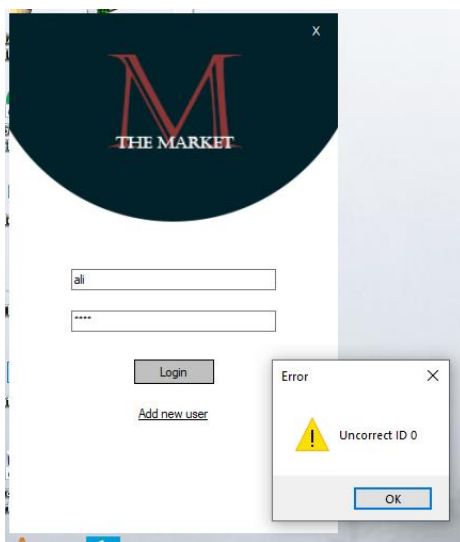- SQL Database
- PhotoShop cc

Security

The application is protected with the authentication system. Only users with username and id can login to the application.

To add new user just click on the <u>Add user</u> button fill the form give the security pin that all now you are a user you can login to the application.


```
try
{
    SqlConnection newConnection = new SqlConnection("Data Source=(LocalDB)\\MSSQLLocalDB;AttachDbFilename=D:\\CODS\\C#\\TheMarket\\TheMarket\\TheMarket.mdf;Integrated Security=True;Connect Timeout=30");
    newConnection.Open();
    if (newConnection.State == ConnectionState.Open)
    {
        SqlCommand checkuser = new SqlCommand("select count(*) from users where id='"+textBox2.Text+"';", newConnection);
        checkrow = (int)checkuser.ExecuteScalar();
        if (checkrow > 0)
        {
            this.Hide();
            dashboard db = new dashboard();
            db.ShowDialog();
```

```
    else
    {
        MessageBox.Show("Uncorrect ID "+checkrow.ToString(),"Error", MessageBoxButtons.OK, MessageBoxIcon.Warning);
        newConnection.Close();
    }
```

```
private void button1_Click(object sender, EventArgs e)
{
    if (textBox3.Text == "tal82")
    {
        try
        {
            SqlConnection newConnection = new SqlConnection("Data Source=(LocalDB)\\MSSQLLocalDB;AttachDbFilename=D:\\CODS\\C#\\TheMarket\\TheMarket\\TheMarket.mdf;Integrated Security=True;Connect Timeout=30");
            newConnection.Open();
            if (newConnection.State == ConnectionState.Open)
            {
                SqlCommand insertSQL = new SqlCommand("insert into users(id,username) values('" + textBox2.Text + "','" + textBox1.Text + "')", newConnection);

                insertSQL.ExecuteNonQuery();
                MessageBox.Show("User added successfully!", "Add User", MessageBoxButtons.OK, MessageBoxIcon.Information);
            }
        }
        catch (Exception ex)
        {
            MessageBox.Show("Error Detected", ex.Message, MessageBoxButtons.OK, MessageBoxIcon.Warning);
        }
```
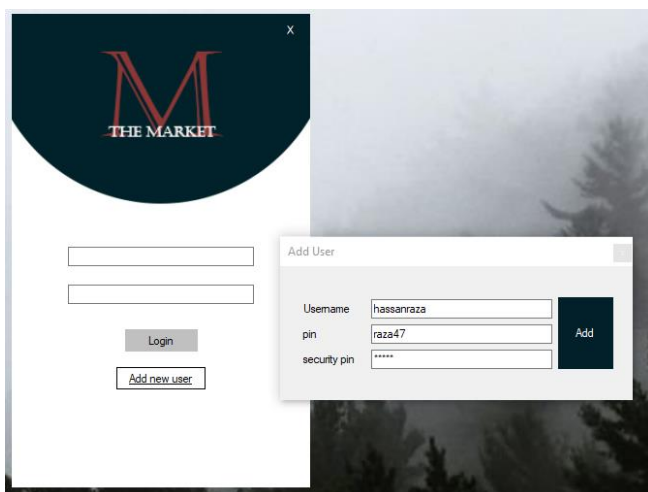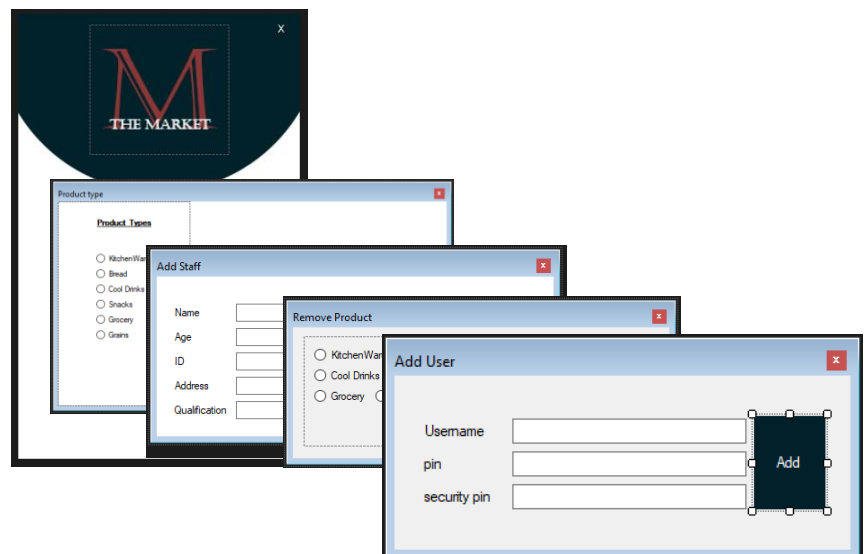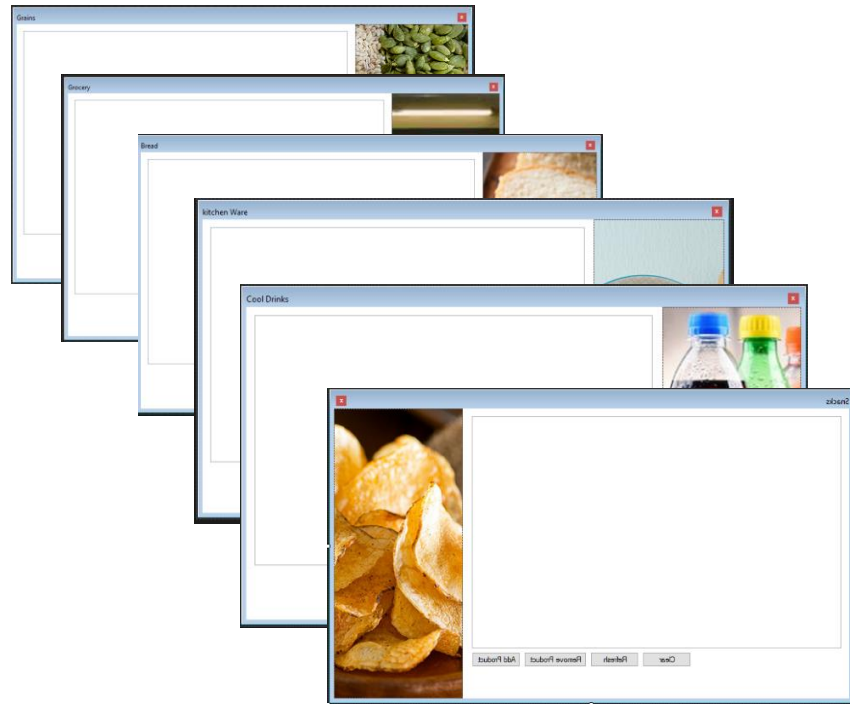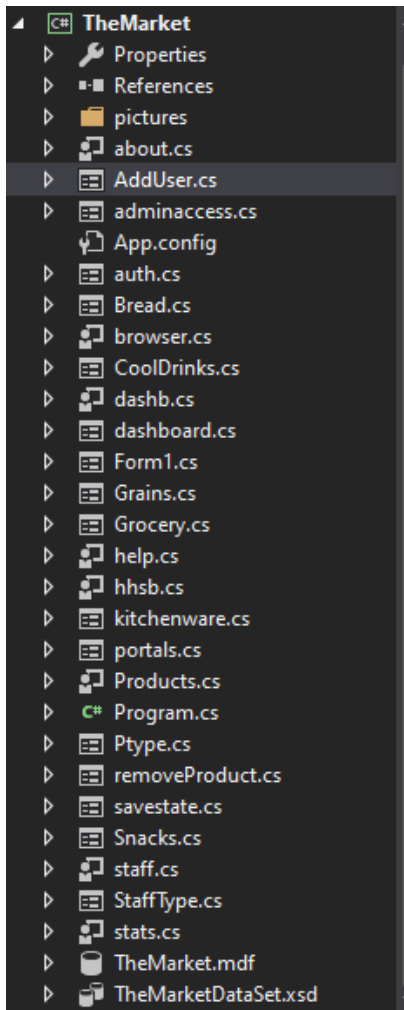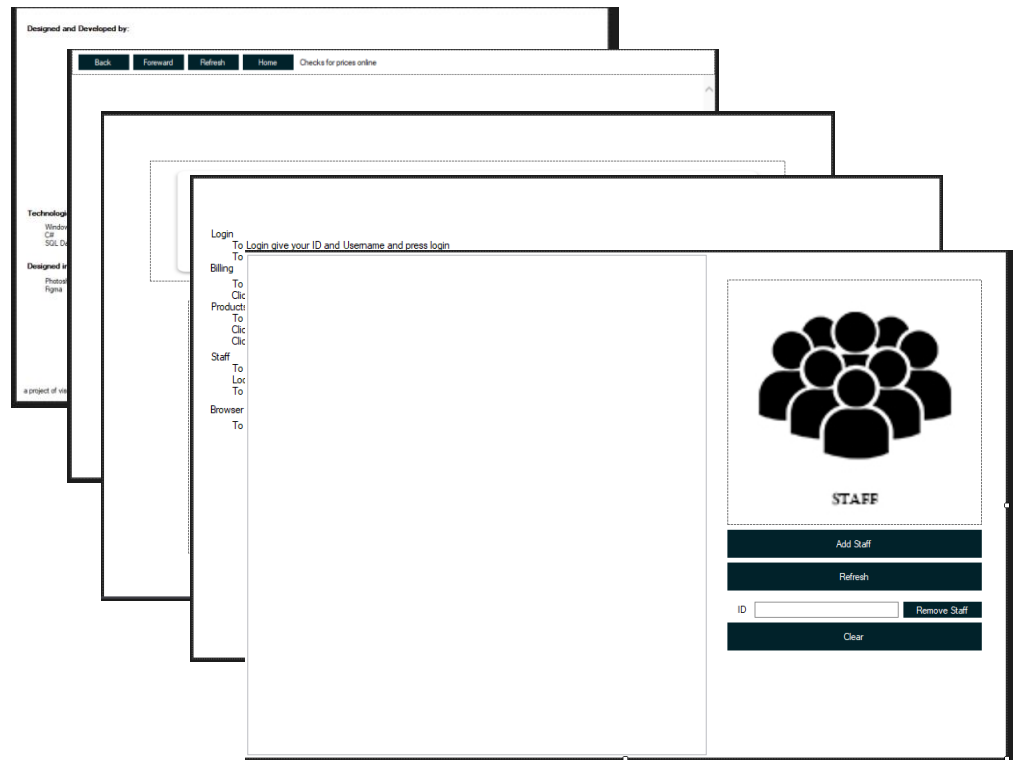
Figure 1inserting a invalid id

Forms

All the forms conatains their own functinalities and code snippets. All of them are connected to the SQL Database to store data and do many of the other Functions.

User Controls

about
browser
dashb
help
hhsb
Products
staff
stats
TheMarketDataSet

Designed and Developed by:

Back | Foreward | Refresh | Home | Checks for prices online

Technologi
Window
C#
SQL D

Designed i
Photos
Figma

a project of vis

Login
To Login give your ID and Username and press login
To
Billing
To
Clic
Product
To
Clic
Clic
Staff
To
Loc
To
Browser
To

STAFF

Add Staff

Refresh

ID [   ] Remove Staff

Clear

DataBase

billtempTab
Bread
CoolDrinks
Grains
grocery
KitchenWare
products
Snaks
Staff
tempbill
totalstaff
tsale
users

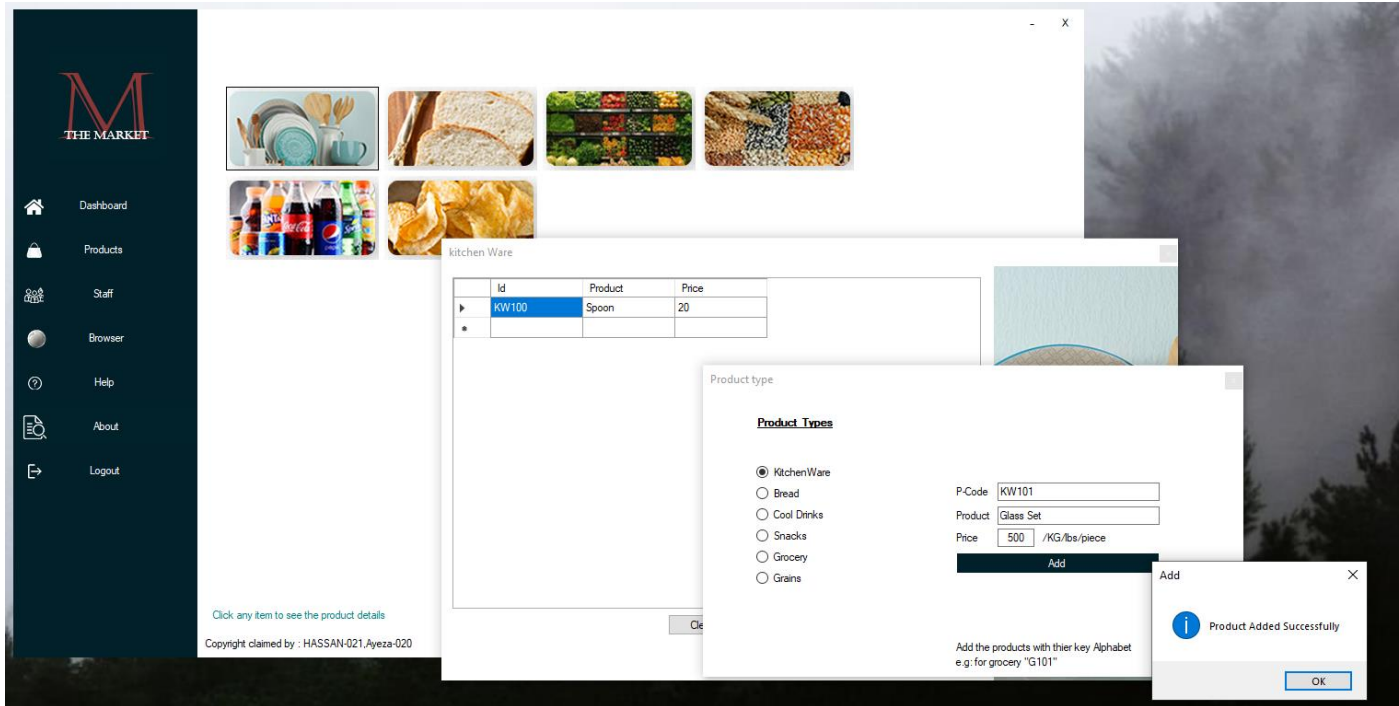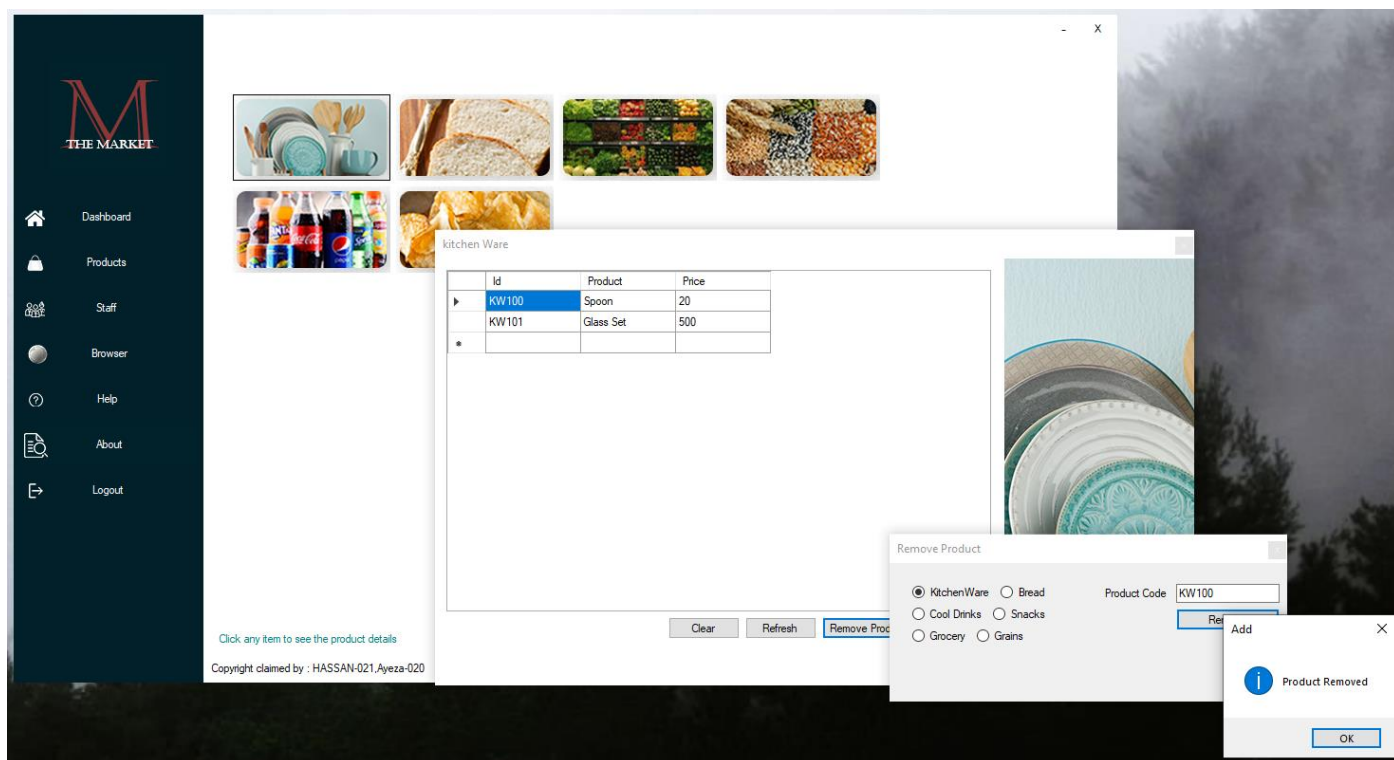| Each of the SQL Database Table include following Columns		
Product ID	Price	Product Code

Figure 3Adding a product
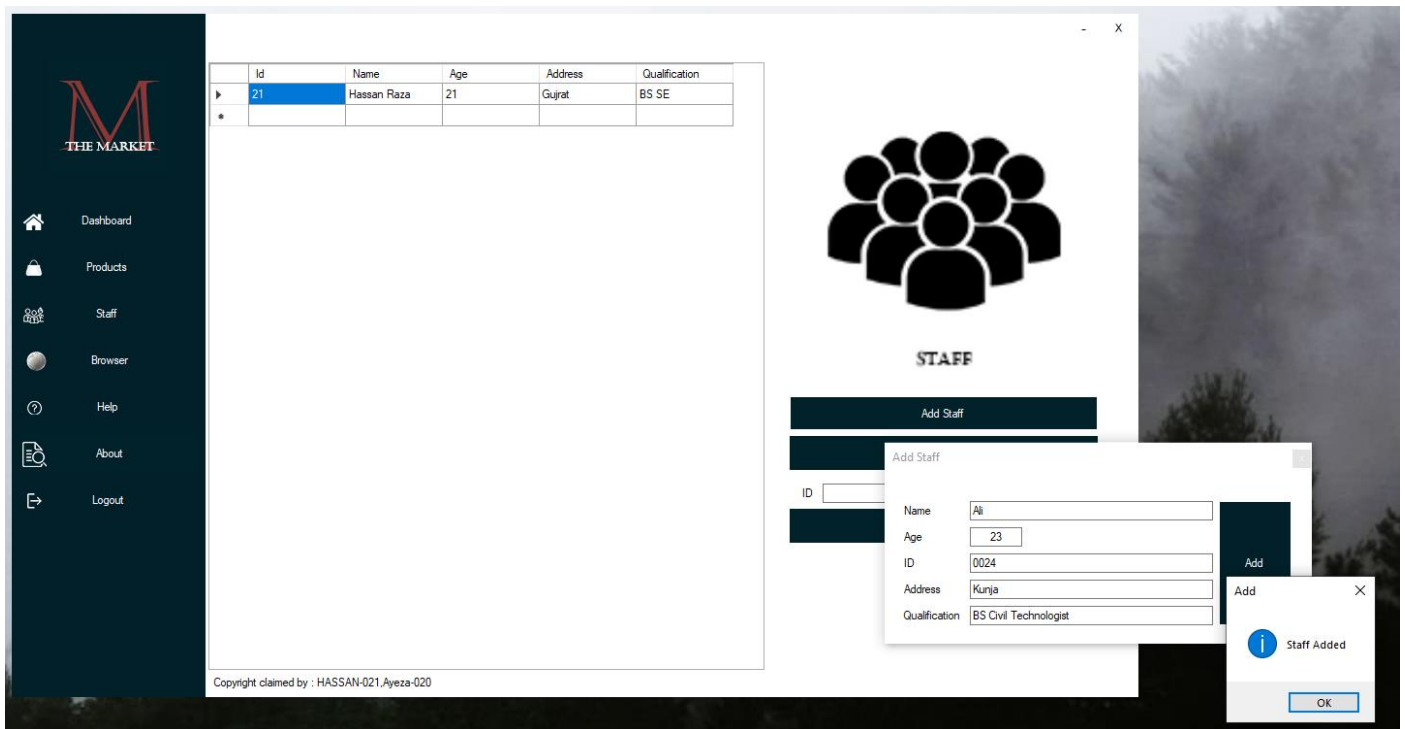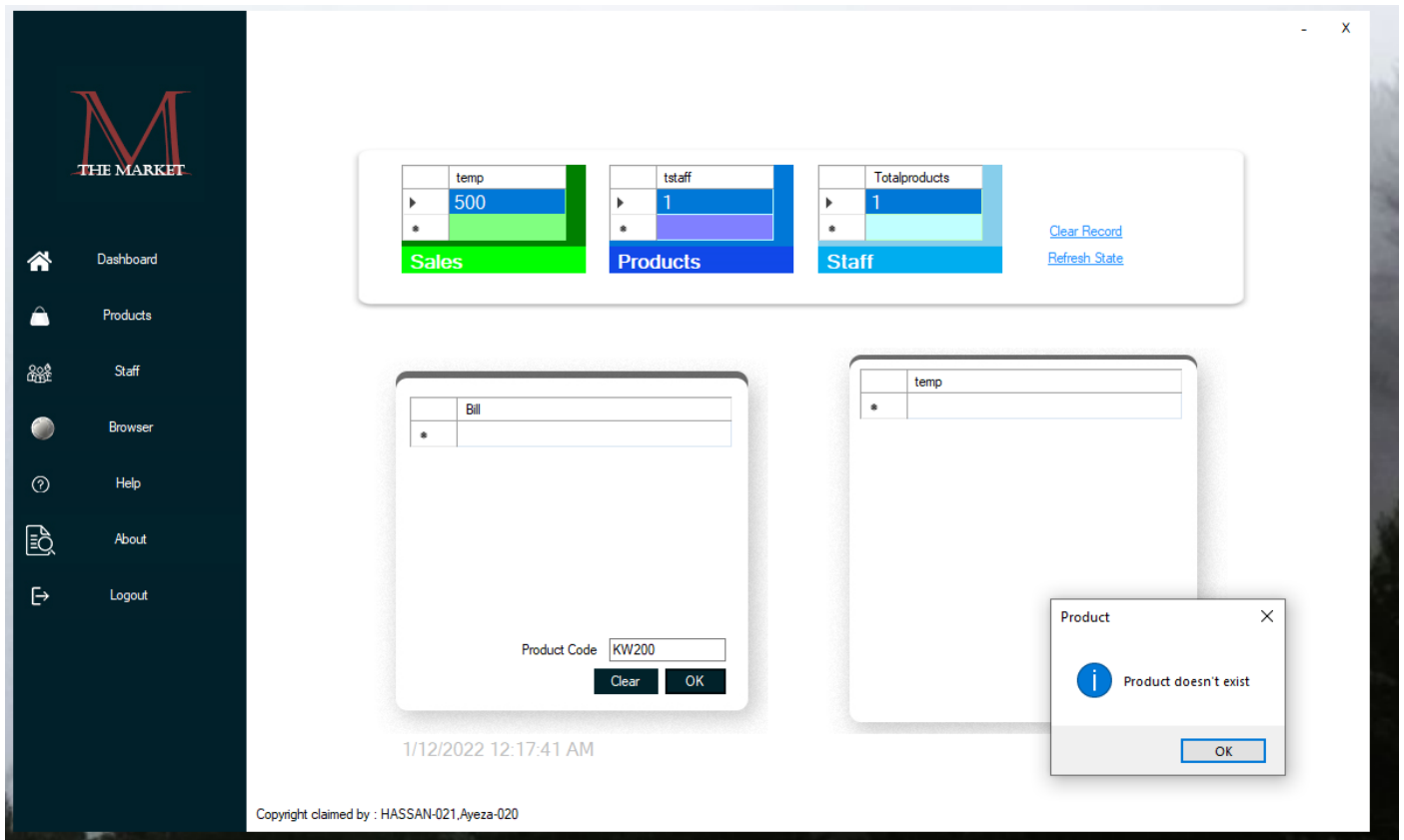

Figure 2Removing the product

Figure 5Adding Staff member

Figure 4 Calculating bill

Figure 6 if the product doesn't exist

The system will look for the inputted Product_code,Product_price,User,Totall_bill and things like that from the database to do operations. Each time you add or remove the product,staff and total bill the database will be updated and the results will be displayed on the dashboard. The Application contains a simple and unique UI and UX experience so that any kind of user can operate it. The software helps make life more comfortable. For example, computer software has made it easier than ever before to find any information or products needed by browsing and communicate with people, The Market can do all of the required operations for billing,hiring or managing the products.