Dynamic Shop Application

MINI PROJECT

Subject: ASP.NET Technology (IF6540)

Topic: Dynamic Shop Application

Team Members IF 3rd Year: -

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Guided By:

Mrs. Mayuri Ighe Mam

Aim: To create Dynamic Shop Application using ASP.NET concepts.

Software Requirements

Platform	Windows
Language	HTML, JavaScript, ASP.Net
Database	MySQL
Server	IIS Express
Device	Laptop/Desktop (Recommend)

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Report on Dynamic Shop Application

Abstract

This project is a web-based technology to solve problems faced by ground level shopkeepers. The project objective is to easily generate or calculate the customer's bill and store the customer's data in the tabular form. This project is an attempt to provide the advantages of secure billing system for a shopkeeper. It helps the shopkeeper by automatically adding the respective items of customer and calculating the quantity and their price in very easy manner. Shopkeeper can also download the customer's bill in the form of pdf. Basically, this system enhances the way of working.

1. Introduction

The project is built in ASP.net and various technologies like html, bootstrap, JSPDF and Html2Excel. The most important objective of this system is to calculate bill by just adding the purchase item and quantity it will automatically generate the customer's bill in the form of pdf. This system is very helpful to those who does not properly manage their work and does not have a way to manage the big data.

2. Functional Overview

Admin:

The admin account is protected with username and password. If admin can enter correct username and password, he/she will move to dashboard. Admin dashboard offers the CRUD operation just like adding new item, deleting an existing item, updating the existing item, etc. Admin Dashboard also provides some other functionalities just like updating his/her profile, GUI customization, managing customer data, analytical representation of the data, etc.

Guest:

The guest account is also protected with username and password. If guest can enter correct username and password, he/she will be moved to guest dashboard. Guest dashboard offers items registered by the admin for his/her shop. Dashboard also provide the functionality of adding the item in the bill so bill calculation process become very easy. Customer's bill also generated in this system.

3. Proposed System

Dynamic Shop Application is web-based technology which helpful for all shops. The system provides fast bill calculation and security of customer's data. Billing system of the application generates the bill in the form of pdf which make the work of shopkeeper effective. Shopkeeper can easily maintain their stocks. He/She can add new stock, edit old stock or delete unwanted stock from this system so this make help to shopkeeper what kind of item is required or not.

4. Advantages

- Fast way to manage work or account of shop.
- Easy stock management.
- Accuracy in calculation
- Generate the bill in the form of pdf.
- Protected with username and password for both the admin and guest account.
- Guest can add new customer.

5. Working

Project consist of 2 dashboards:

1. Admin dashboard
2. Guest dashboard

Each module has its own username and password for accessing the module and each module has its own functionality based on their access rights.

1. Functionalities of Administrator

- Admin plays main role in this system. Once admin can login with their username and password it will move to admin dashboard.
- Admin can add new item in their shop.
- Admin can edit old item and also able to delete item from list.
- Admin can update his/her profiles.
- Admin can able to see the customers visited to their shop.

2. Functionalities of Guest

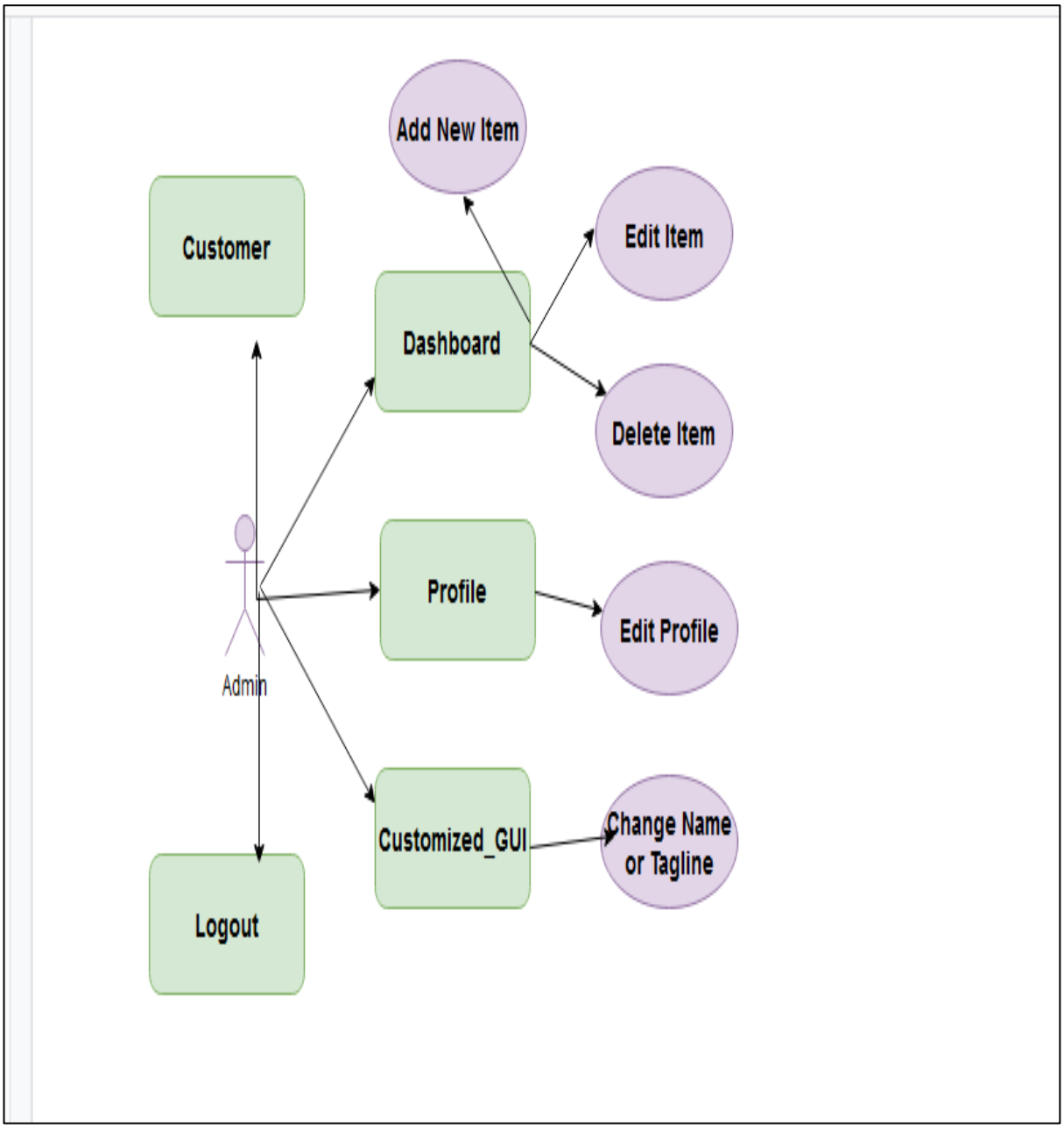
- Guest can login with their username and password it will move guest dashboard.
- Guest can add the item for customer want to purchase.
- Guest can make the bill.
- Guest can generate the customer's bill PDF.

6. Technologies

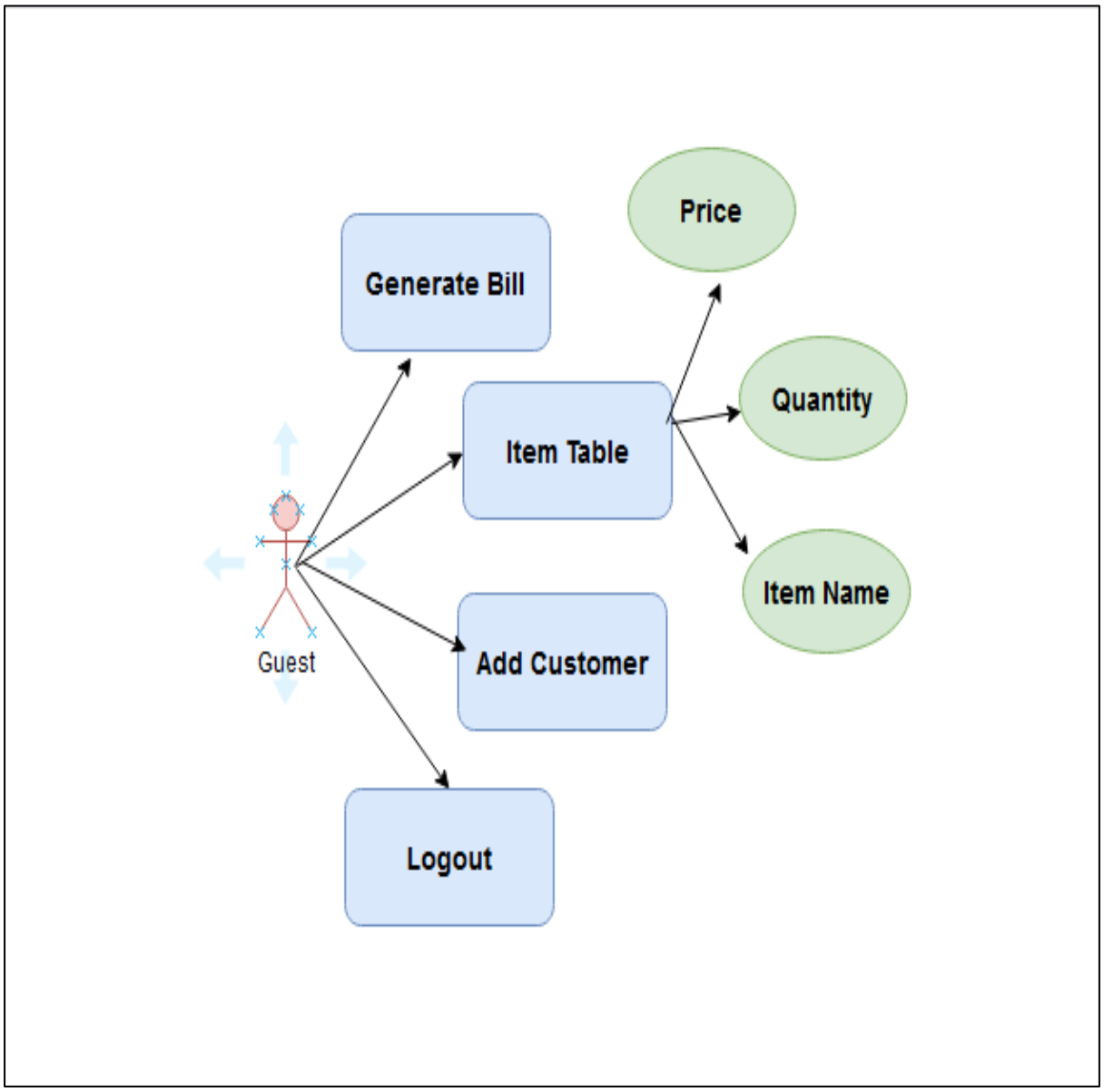
a. HTML (Frontend)
b. Bootstrap (Frontend)
c. ASP.Net (Backend)
d. MYSQL (Database)
e. JSPDF (PDF generator)
f. Html2Excel (Excel Generator)

7. Activity

1. Admin Level Activity

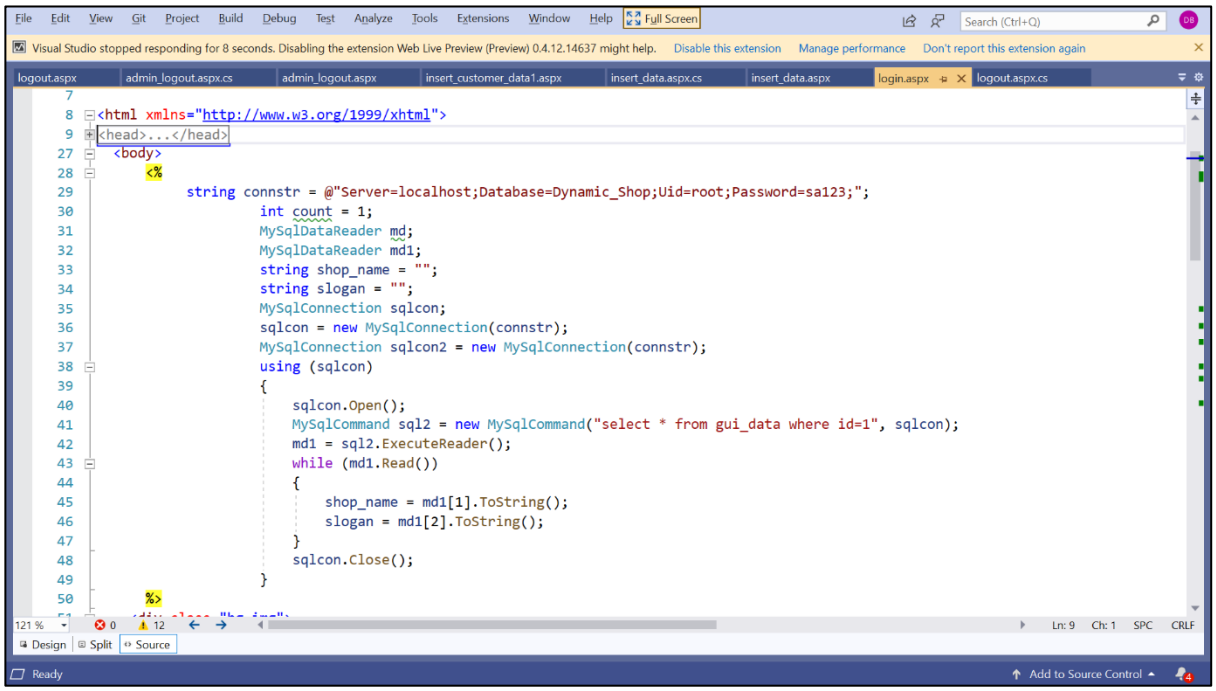


2. Guest Level Activity



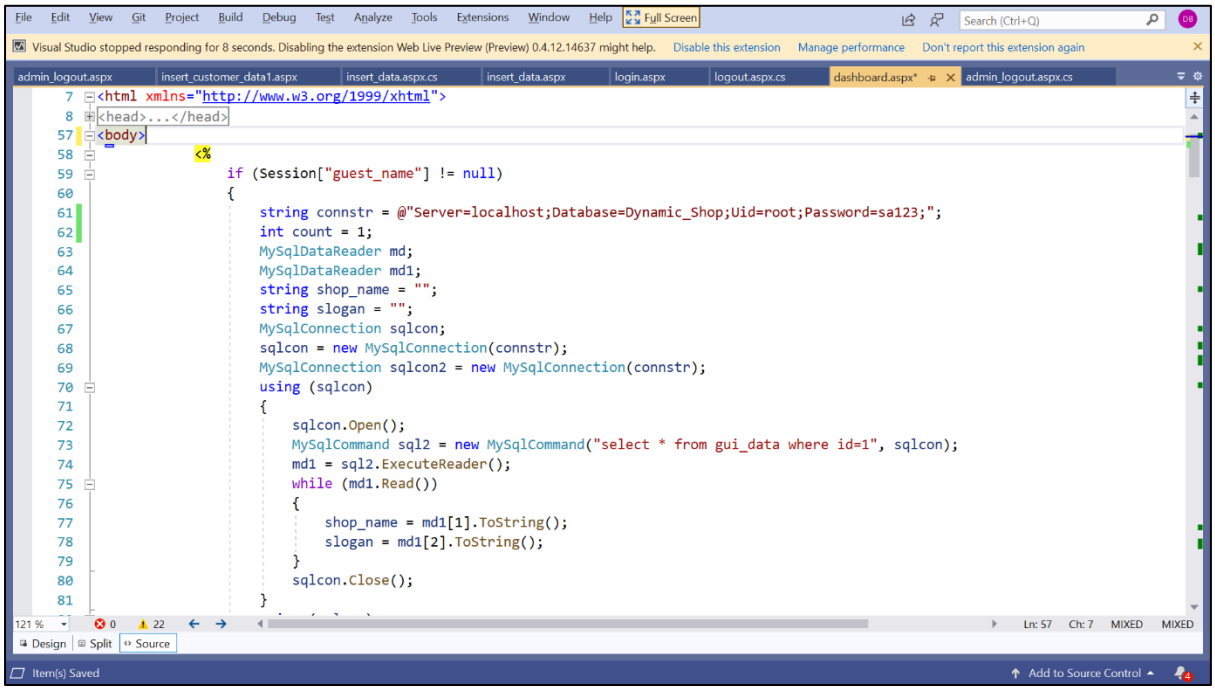
8. Screenshots

login.aspx



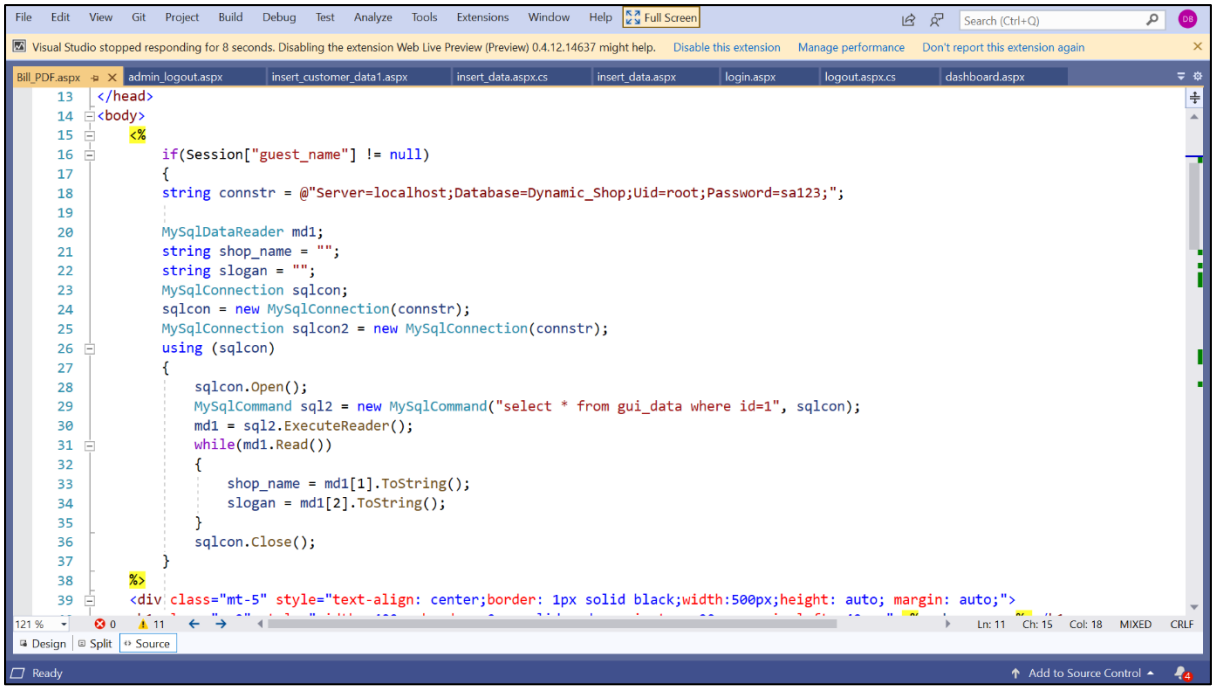
```
<html xmlns="http://www.w3.org/1999/xhtml">
<head>...</head>
<body>
<%
        string connstr = @"Server=localhost;Database=Dynamic_Shop;Uid=root;Password=sa123;";
                int count = 1;
                MySqlDataReader md;
                MySqlDataReader md1;
                string shop_name = "";
                string slogan = "";
                MySqlConnection sqlcon;
                sqlcon = new MySqlConnection(connstr);
                MySqlConnection sqlcon2 = new MySqlConnection(connstr);
                using (sqlcon)
                {
                    sqlcon.Open();
                    MySqlCommand sql2 = new MySqlCommand("select * from gui_data where id=1", sqlcon);
                    md1 = sql2.ExecuteReader();
                    while (md1.Read())
                    {
                        shop_name = md1[1].ToString();
                        slogan = md1[2].ToString();
                    }
                    sqlcon.Close();
                }
%>
```

dashboard.aspx



```
<html xmlns="http://www.w3.org/1999/xhtml">
<head>...</head>
<body>
<%
    if (Session["guest_name"] != null)
    {
        string connstr = @"Server=localhost;Database=Dynamic_Shop;Uid=root;Password=sa123;";
        int count = 1;
        MySqlDataReader md;
        MySqlDataReader md1;
        string shop_name = "";
        string slogan = "";
        MySqlConnection sqlcon;
        sqlcon = new MySqlConnection(connstr);
        MySqlConnection sqlcon2 = new MySqlConnection(connstr);
        using (sqlcon)
        {
            sqlcon.Open();
            MySqlCommand sql2 = new MySqlCommand("select * from gui_data where id=1", sqlcon);
            md1 = sql2.ExecuteReader();
            while (md1.Read())
            {
                shop_name = md1[1].ToString();
                slogan = md1[2].ToString();
            }
            sqlcon.Close();
        }
```

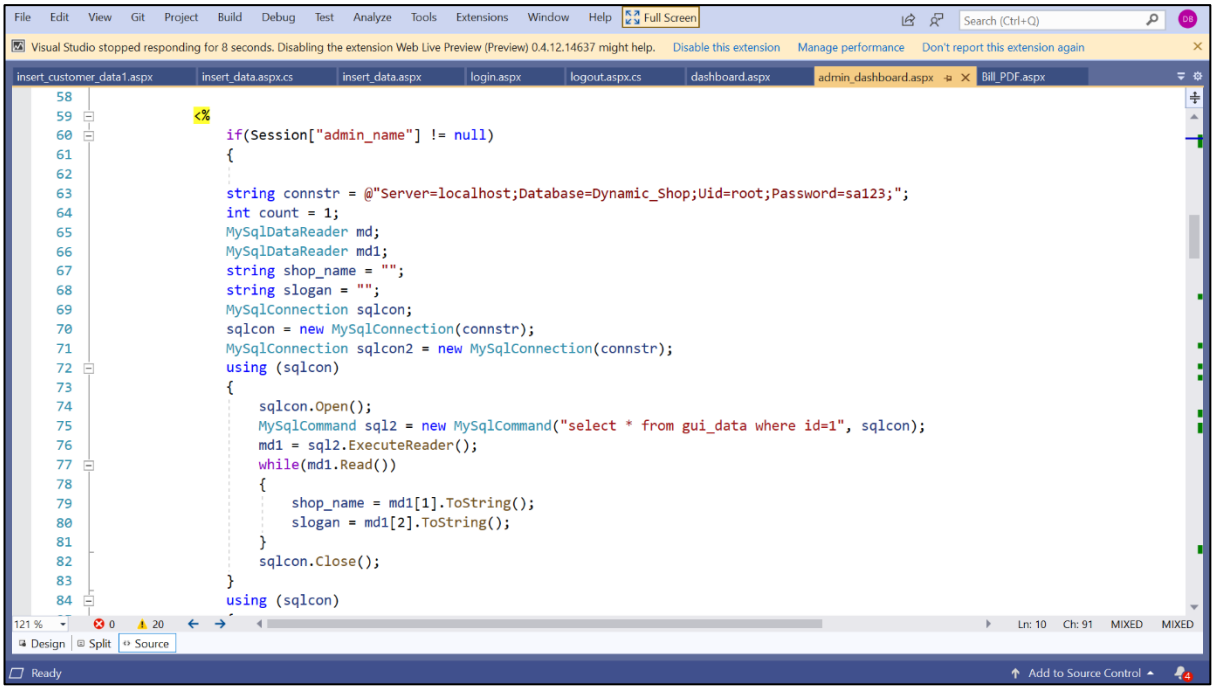
Bill_PDF.aspx



```
</head>
<body>
    <%
        if(Session["guest_name"] != null)
        {
        string connstr = @"Server=localhost;Database=Dynamic_Shop;Uid=root;Password=sa123;";

        MySqlDataReader md1;
        string shop_name = "";
        string slogan = "";
        MySqlConnection sqlcon;
        sqlcon = new MySqlConnection(connstr);
        MySqlConnection sqlcon2 = new MySqlConnection(connstr);
        using (sqlcon)
        {
            sqlcon.Open();
            MySqlCommand sql2 = new MySqlCommand("select * from gui_data where id=1", sqlcon);
            md1 = sql2.ExecuteReader();
            while(md1.Read())
            {
                shop_name = md1[1].ToString();
                slogan = md1[2].ToString();
            }
            sqlcon.Close();
        }
    %>
    <div class="mt-5" style="text-align: center;border: 1px solid black;width:500px;height: auto; margin: auto;">
```

Admin_dashboard.aspx



```
            <%
                if(Session["admin_name"] != null)
                {

                string connstr = @"Server=localhost;Database=Dynamic_Shop;Uid=root;Password=sa123;";
                int count = 1;
                MySqlDataReader md;
                MySqlDataReader md1;
                string shop_name = "";
                string slogan = "";
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                MySqlConnection sqlcon2 = new MySqlConnection(connstr);
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                {
                    sqlcon.Open();
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                    md1 = sql2.ExecuteReader();
                    while(md1.Read())
                    {
                        shop_name = md1[1].ToString();
                        slogan = md1[2].ToString();
                    }
                    sqlcon.Close();
                }
                using (sqlcon)
```
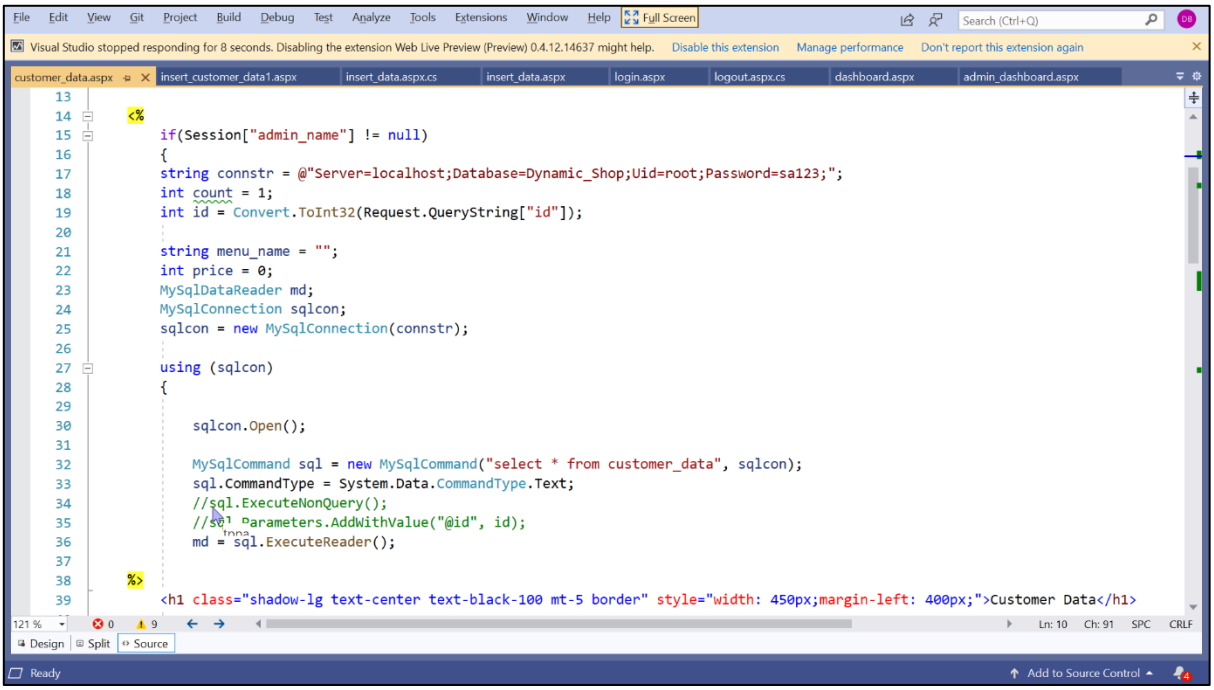
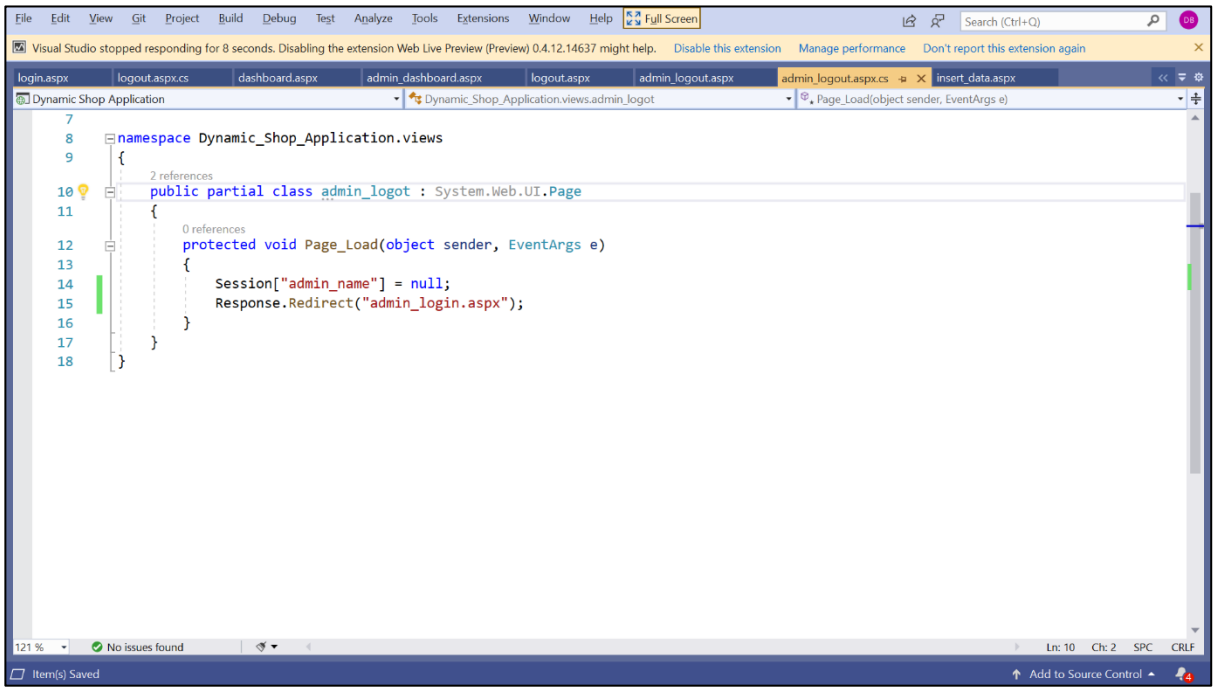
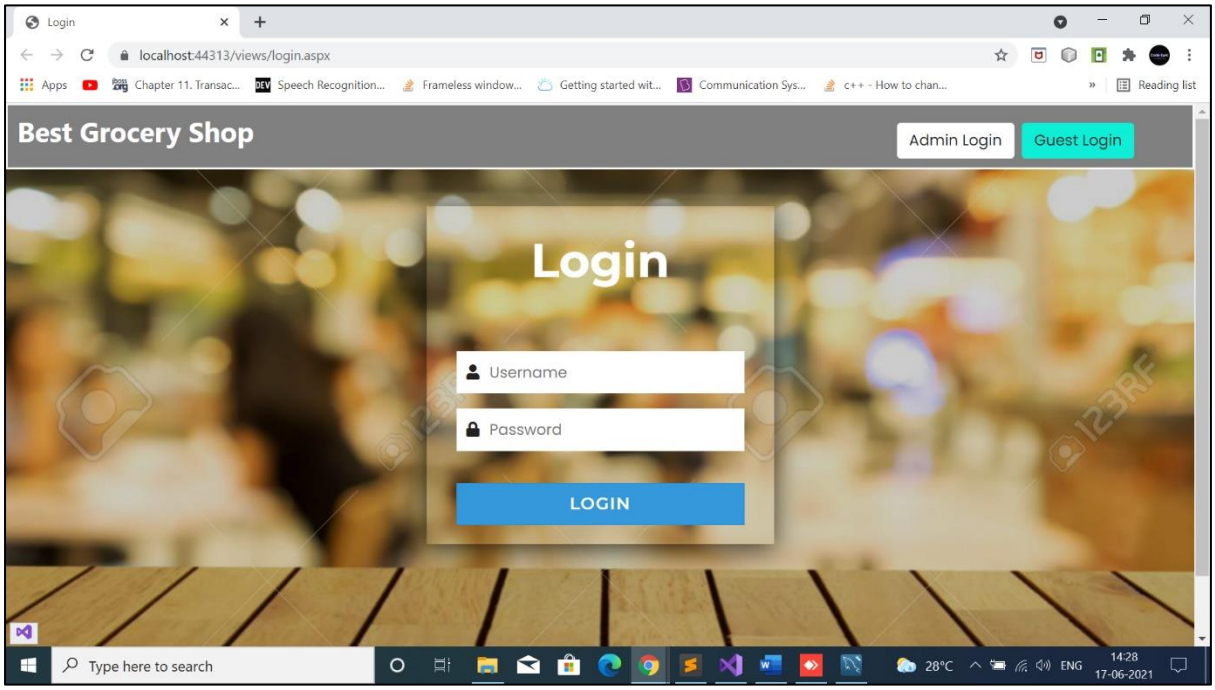

customer_data.aspx

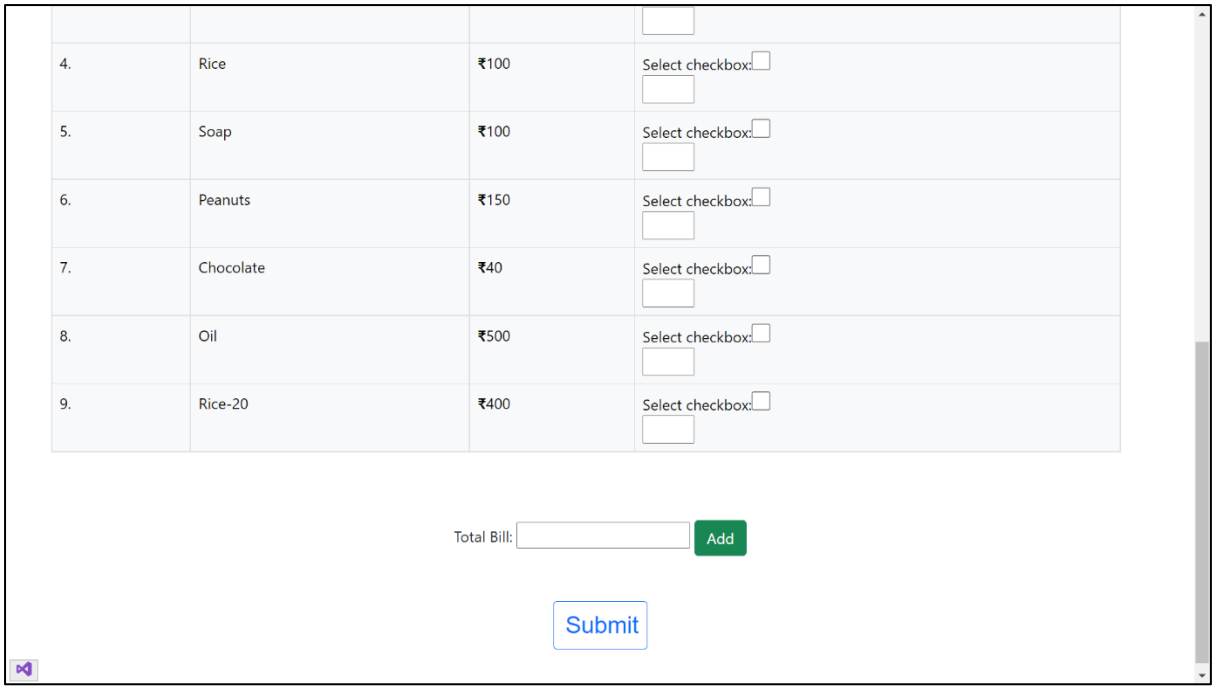


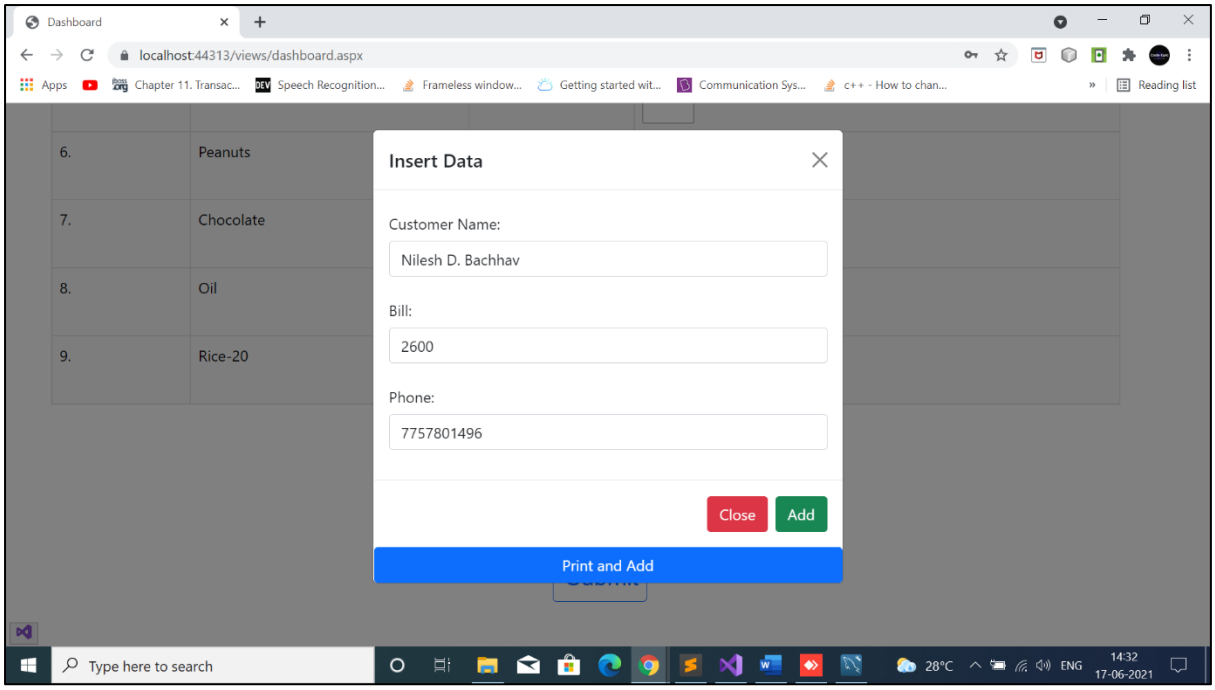
admin_logout.aspx

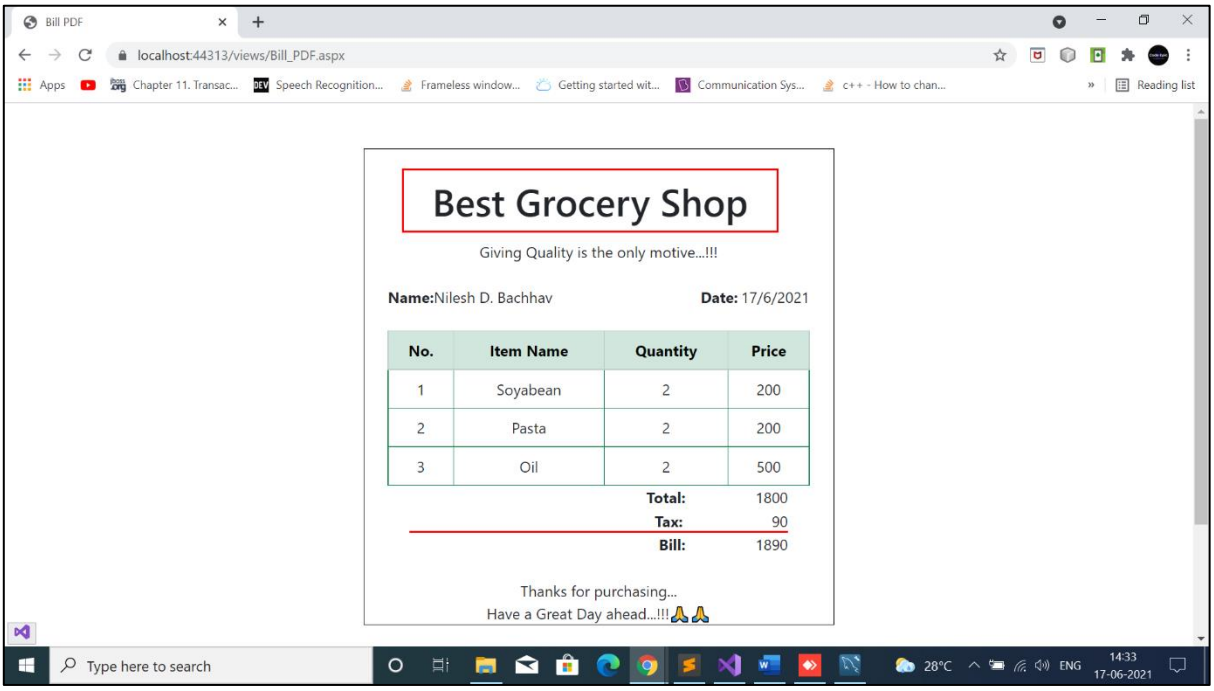


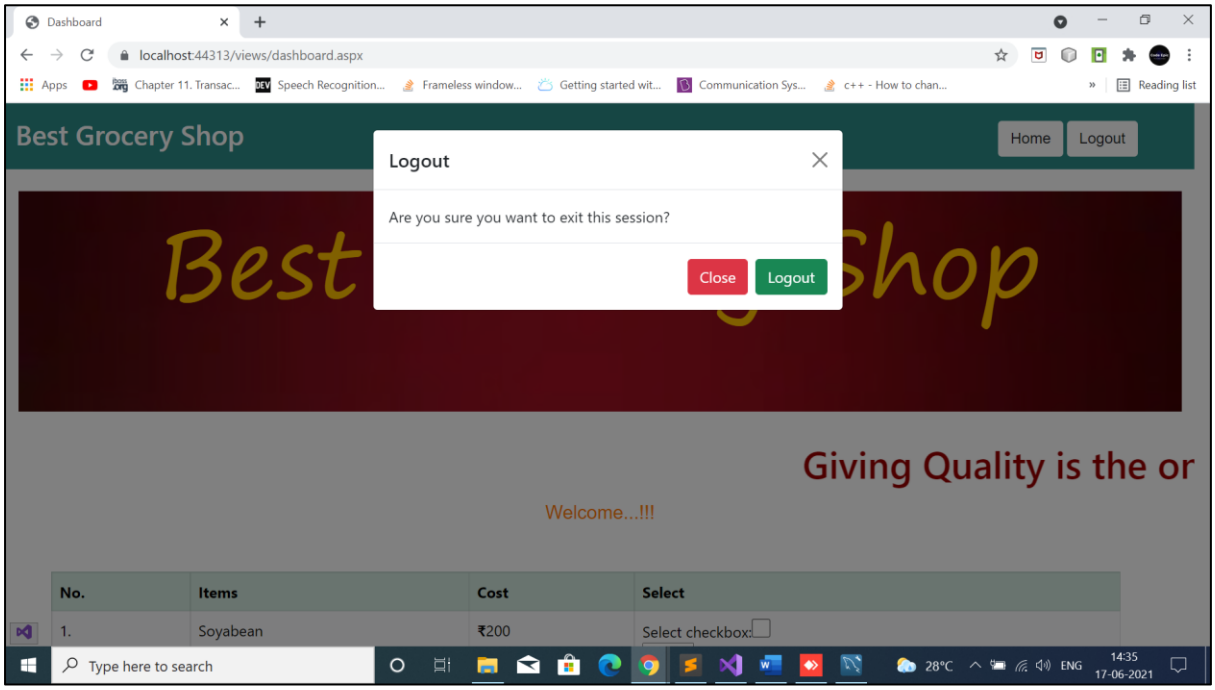

Login
localhost:44313/views/login.aspx
Best Grocery Shop
Admin Login
Guest Login
Login
Username
Password
LOGIN
Type here to search
28°C
ENG
14:28
17-06-2021

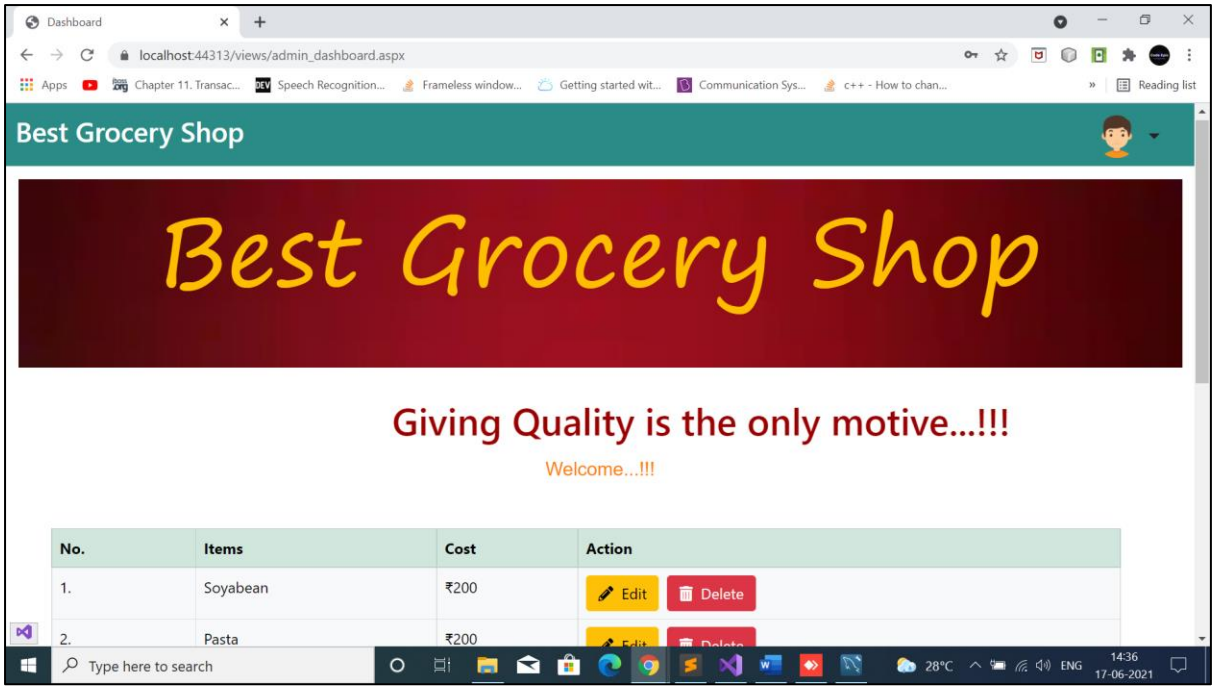

Best Grocery Shop
Home
Logout
Best Grocery Shop
Giving Quality is the only motive...!!!
Welcome...!!!
No.
Items
Cost
Select
1.
Soyabean
₹200
Select checkbox:
2.
Pasta
₹200
Select checkbox:
3.
Souce
₹100
Select checkbox:

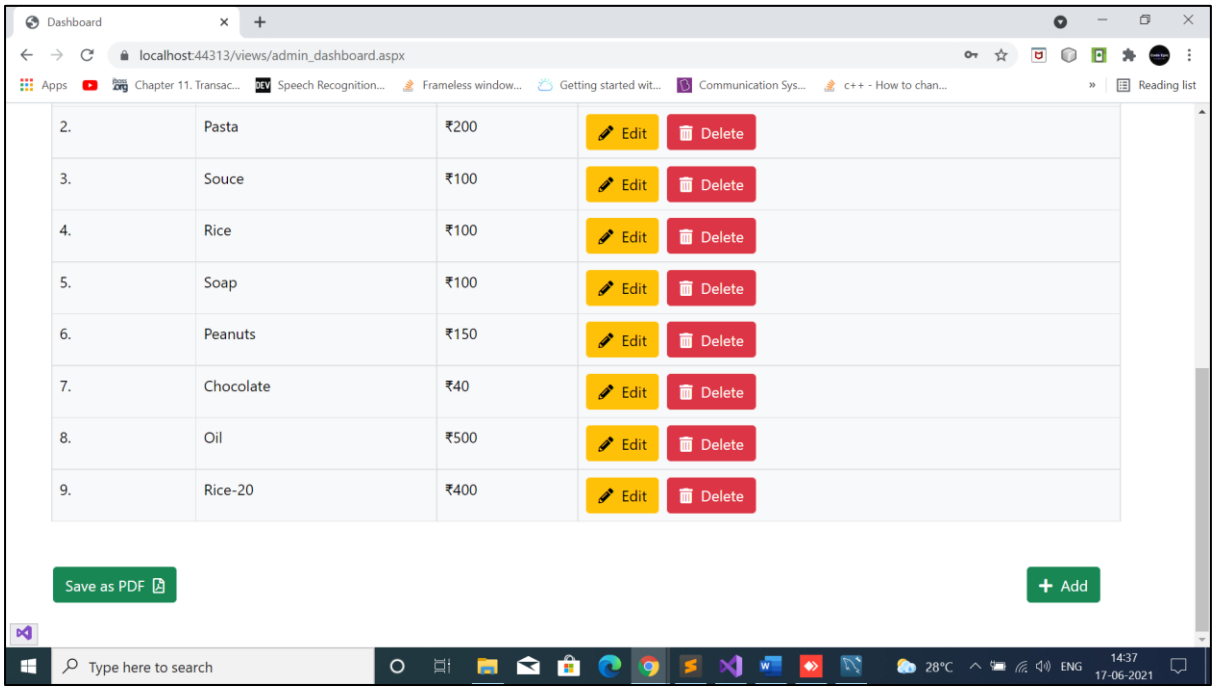

4. Rice ₹100 Select checkbox:
5. Soap ₹100 Select checkbox:
6. Peanuts ₹150 Select checkbox:
7. Chocolate ₹40 Select checkbox:
8. Oil ₹500 Select checkbox:
9. Rice-20 ₹400 Select checkbox:
Total Bill:
Add
Submit

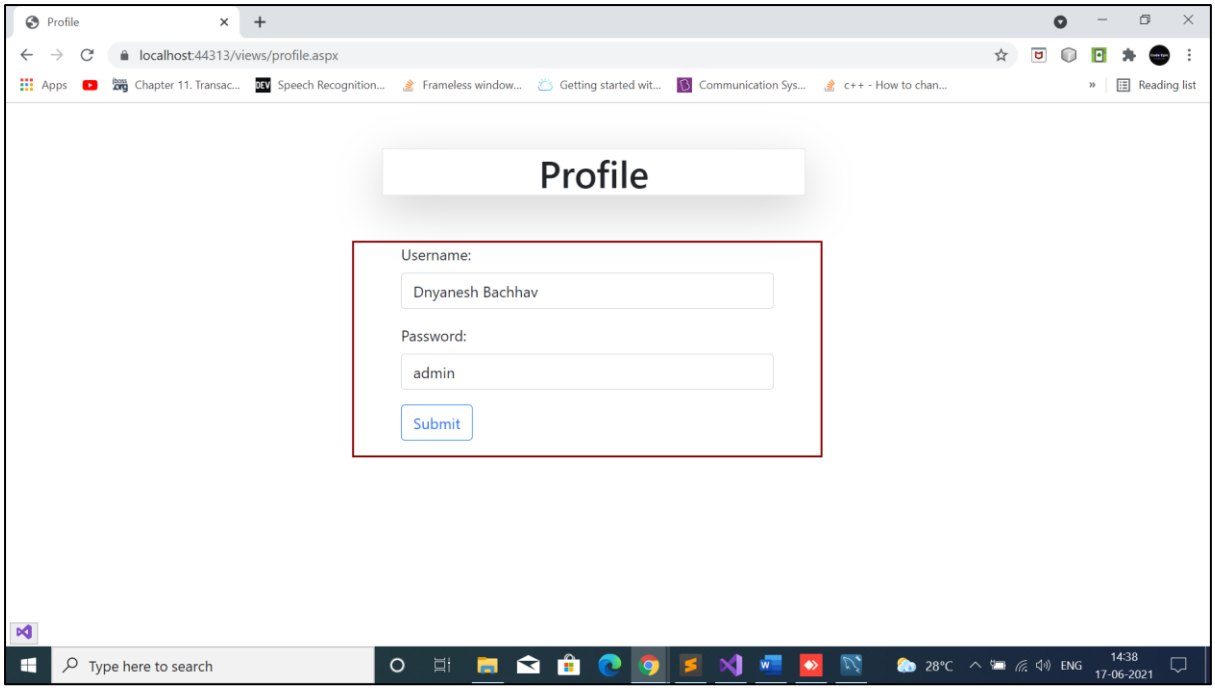

Dashboard
localhost:44313/views/dashboard.aspx
Apps
Chapter 11. Transac...
Speech Recognition...
Frameless window...
Getting started wit...
Communication Sys...
c++ - How to chan...
Reading list
6. Peanuts
7. Chocolate
8. Oil
9. Rice-20
Insert Data
Customer Name:
Nilesh D. Bachhav
Bill:
2600
Phone:
7757801496
Close
Add
Print and Add
Type here to search
28°C
ENG
14:32
17-06-2021

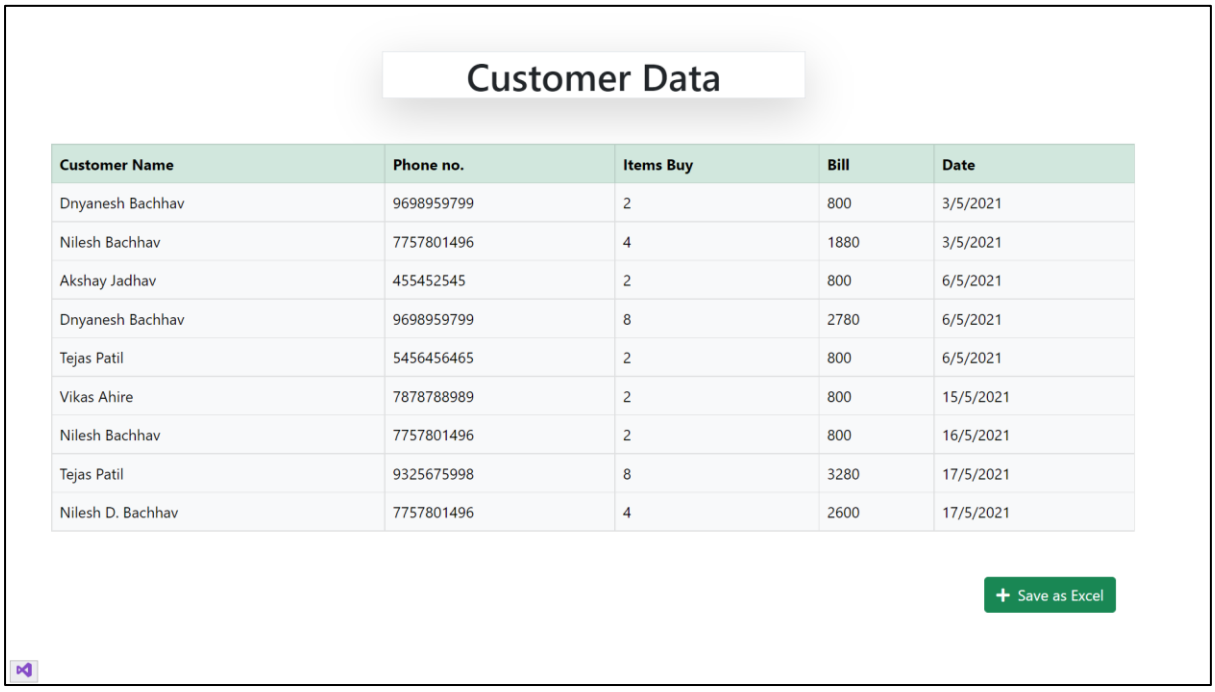

Bill PDF
localhost:44313/views/Bill_PDF.aspx
Best Grocery Shop
Giving Quality is the only motive...!!!
Name:Nilesh D. Bachhav
Date: 17/6/2021
No. | Item Name | Quantity | Price
1 | Soyabean | 2 | 200
2 | Pasta | 2 | 200
3 | Oil | 2 | 500
Total: 1800
Tax: 90
Bill: 1890
Thanks for purchasing...
Have a Great Day ahead...!!!
Type here to search
14:33
17-06-2021

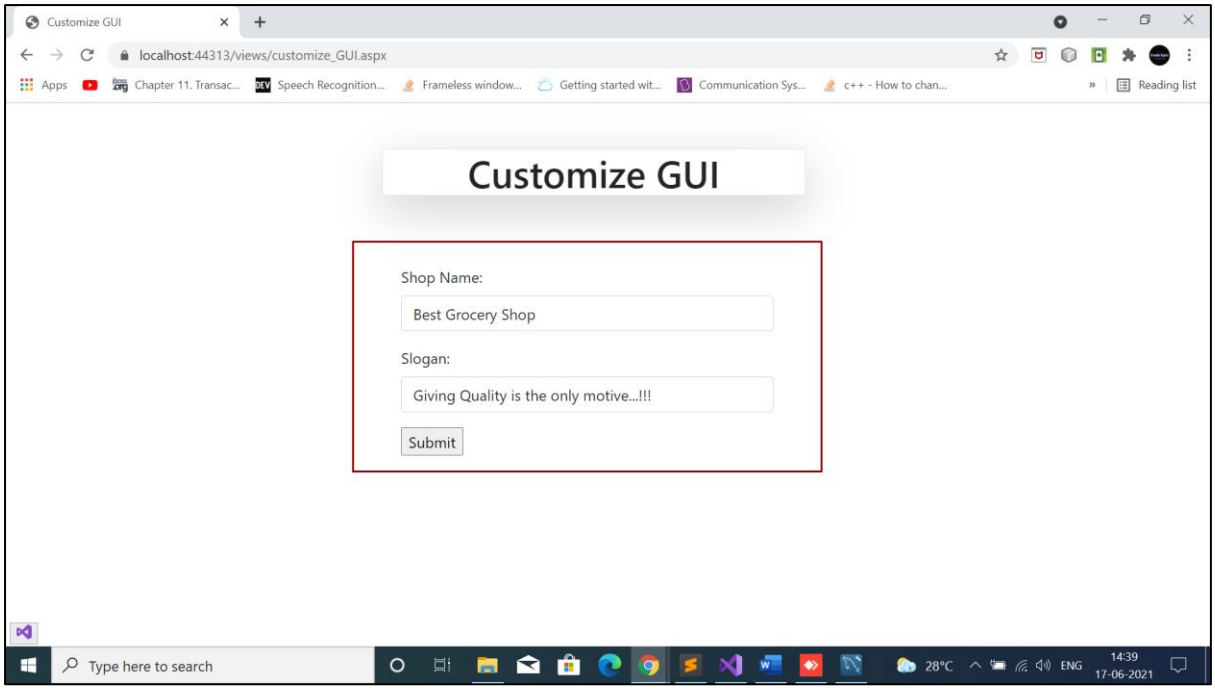

Dashboard
localhost:44313/views/dashboard.aspx
Best Grocery Shop
Home
Logout
Logout
Are you sure you want to exit this session?
Close
Logout
Giving Quality is the or
Welcome...!!!
No. | Items | Cost | Select
1. | Soyabean | ₹200 | Select checkbox:
Type here to search
14:35
17-06-2021

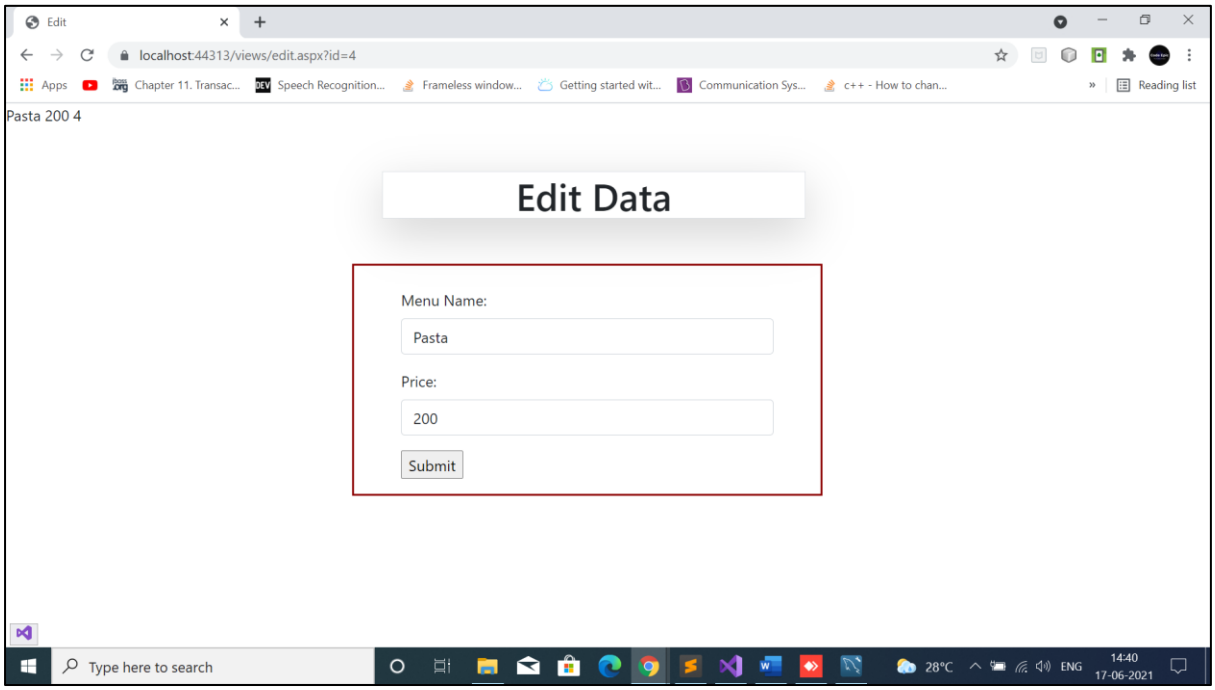

Dashboard
localhost:44313/views/admin_dashboard.aspx
Best Grocery Shop
Best Grocery Shop
Giving Quality is the only motive...!!!
Welcome...!!!
No.
Items
Cost
Action
1.
Soyabean
₹200
Edit
Delete
2.
Pasta
₹200
Type here to search
28°C
ENG
14:36
17-06-2021

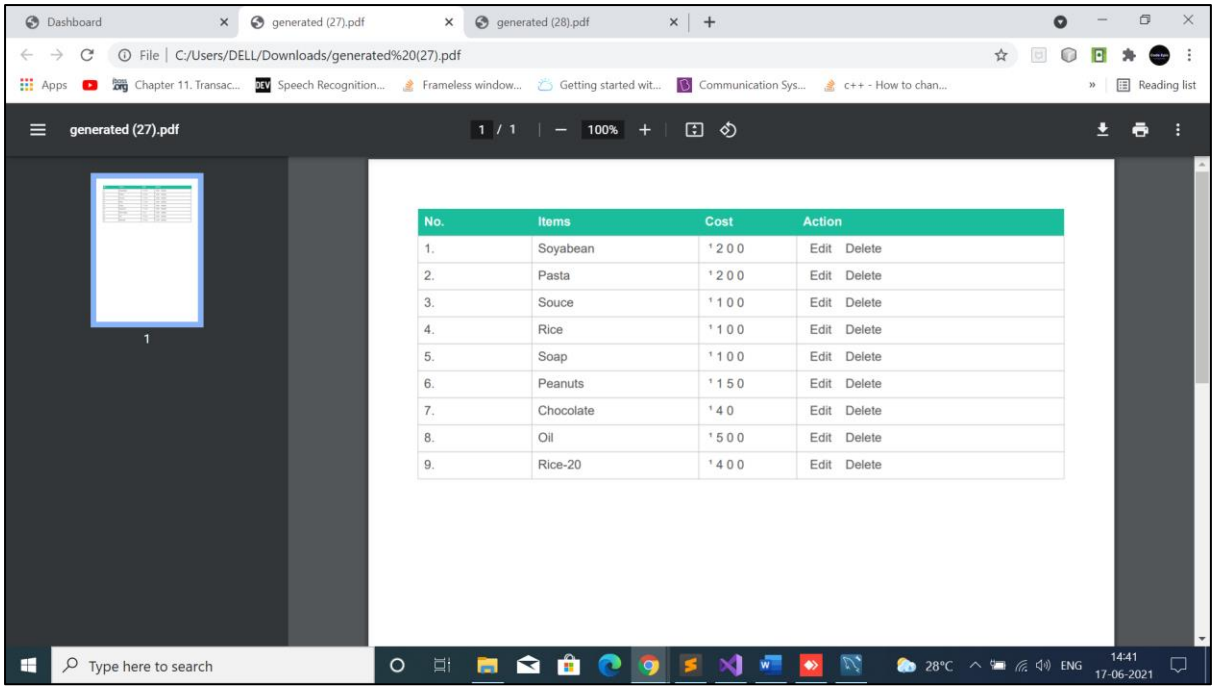

Dashboard
localhost:44313/views/admin_dashboard.aspx
2. Pasta ₹200 Edit Delete
3. Souce ₹100 Edit Delete
4. Rice ₹100 Edit Delete
5. Soap ₹100 Edit Delete
6. Peanuts ₹150 Edit Delete
7. Chocolate ₹40 Edit Delete
8. Oil ₹500 Edit Delete
9. Rice-20 ₹400 Edit Delete
Save as PDF
+ Add
Type here to search
28°C
ENG
14:37
17-06-2021


Profile
localhost:44313/views/profile.aspx
Profile
Username:
Dnyanesh Bachhav
Password:
admin
Submit
Type here to search
28°C
ENG
14:38
17-06-2021


Customer Data
Customer Name | Phone no. | Items Buy | Bill | Date
Dnyanesh Bachhav | 9698959799 | 2 | 800 | 3/5/2021
Nilesh Bachhav | 7757801496 | 4 | 1880 | 3/5/2021
Akshay Jadhav | 455452545 | 2 | 800 | 6/5/2021
Dnyanesh Bachhav | 9698959799 | 8 | 2780 | 6/5/2021
Tejas Patil | 5456456465 | 2 | 800 | 6/5/2021
Vikas Ahire | 7878788989 | 2 | 800 | 15/5/2021
Nilesh Bachhav | 7757801496 | 2 | 800 | 16/5/2021
Tejas Patil | 9325675998 | 8 | 3280 | 17/5/2021
Nilesh D. Bachhav | 7757801496 | 4 | 2600 | 17/5/2021
Save as Excel

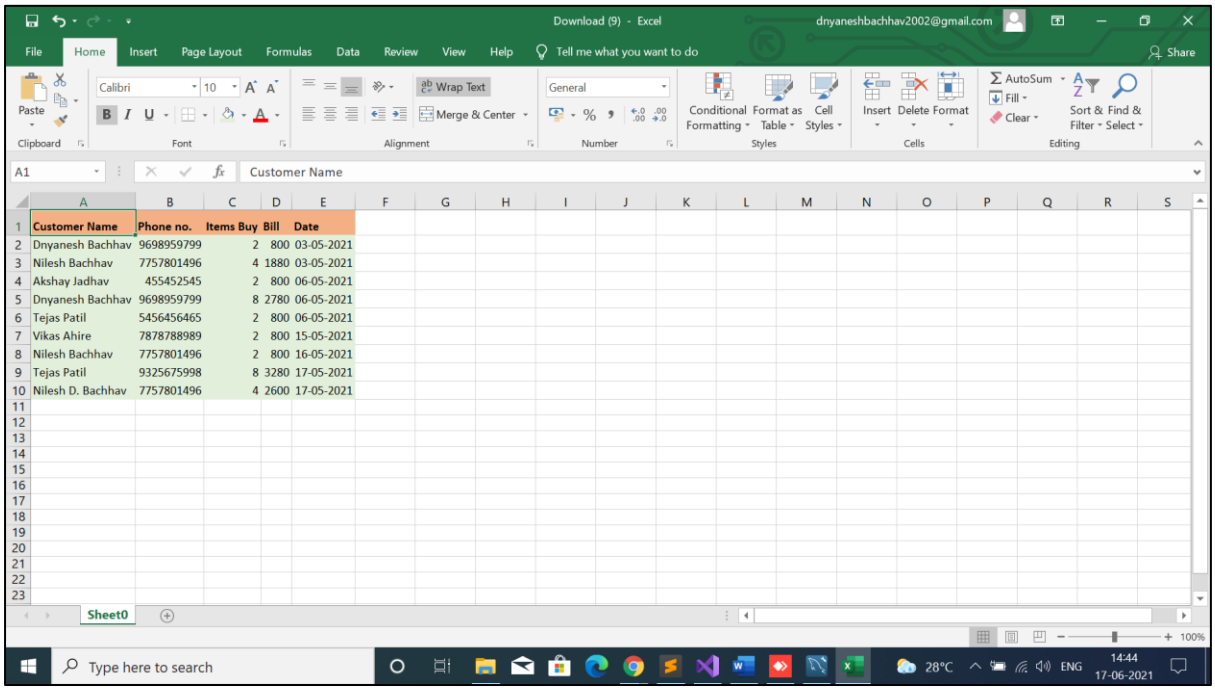

Customize GUI
localhost:44313/views/customize_GUI.aspx
Customize GUI
Shop Name:
Best Grocery Shop
Slogan:
Giving Quality is the only motive...!!!
Submit
Type here to search
14:39
17-06-2021


Edit
localhost:44313/views/edit.aspx?id=4
Pasta 200 4
Edit Data
Menu Name:
Pasta
Price:
200
Submit
Type here to search
14:40
17-06-2021



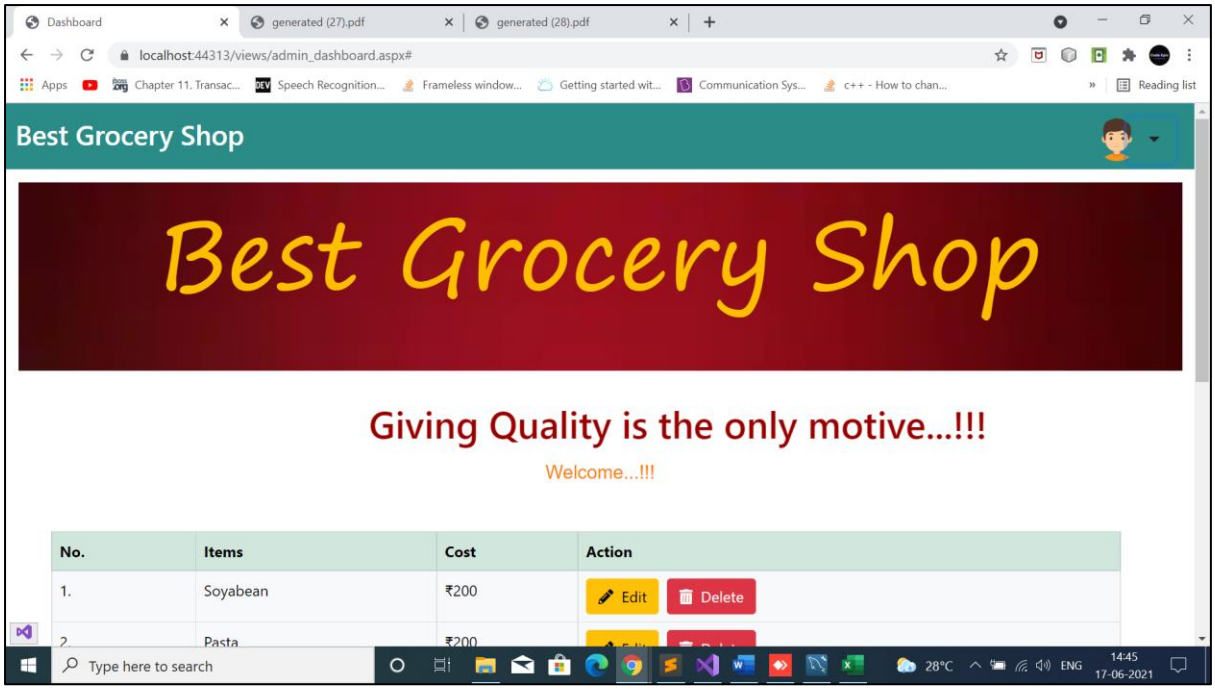
generated (27).pdf

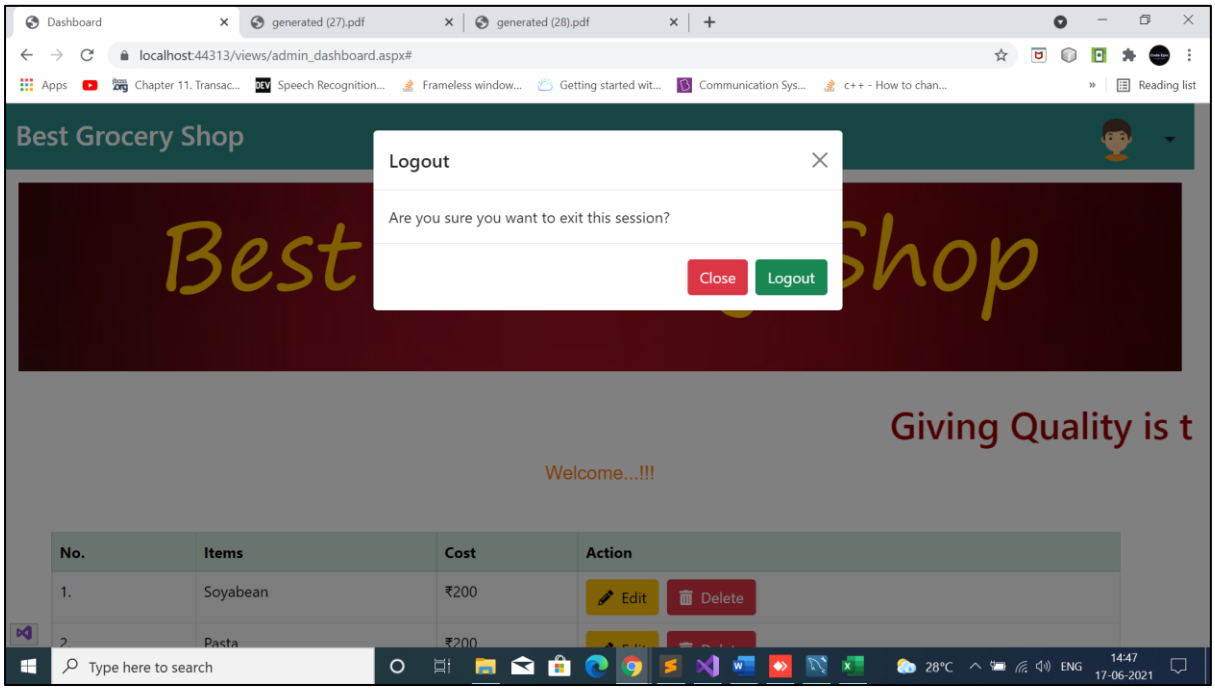
No.	Items	Cost	Action
1.	Soyabean	' 2 0 0	Edit Delete
2.	Pasta	' 2 0 0	Edit Delete
3.	Souce	' 1 0 0	Edit Delete
4.	Rice	' 1 0 0	Edit Delete
5.	Soap	' 1 0 0	Edit Delete
6.	Peanuts	' 1 5 0	Edit Delete
7.	Chocolate	' 4 0	Edit Delete
8.	Oil	' 5 0 0	Edit Delete
9.	Rice-20	' 4 0 0	Edit Delete



Download (9) - Excel

Customer Name	Phone no.	Items Buy	Bill	Date
Dnyanesh Bachhav	9698959799	2	800	03-05-2021
Nilesh Bachhav	7757801496	4	1880	03-05-2021
Akshay Jadhav	455452545	2	800	06-05-2021
Dnyanesh Bachhav	9698959799	8	2780	06-05-2021
Tejas Patil	5456456465	2	800	06-05-2021
Vikas Ahire	7878788989	2	800	15-05-2021
Nilesh Bachhav	7757801496	2	800	16-05-2021
Tejas Patil	9325675998	8	3280	17-05-2021
Nilesh D. Bachhav	7757801496	4	2600	17-05-2021


Dashboard
generated (27).pdf
generated (28).pdf
localhost:44313/views/admin_dashboard.aspx#
Best Grocery Shop
Best Grocery Shop
Giving Quality is the only motive...!!!
Welcome...!!!
No.
Items
Cost
Action
1.
Soyabean
₹200
Edit
Delete
Type here to search
28°C
ENG
14:45
17-06-2021


Dashboard
generated (27).pdf
generated (28).pdf
localhost:44313/views/admin_dashboard.aspx#
Best Grocery Shop
Logout
Are you sure you want to exit this session?
Close
Logout
Giving Quality is t
Welcome...!!!
No.
Items
Cost
Action
1.
Soyabean
₹200
Edit
Delete
Type here to search
28°C
ENG
14:47
17-06-2021

9. Future Scope

- Customer module will be added.
- GUI can be more interactive.
- A good stock management module will be added.
- Auto Suggestion for Stock management.

10. Conclusion

From a proper analysis of positive points and constraints on the component, it can be safely concluded that the product is a highly efficient GUI based component. This application is working properly and meeting to all user requirements. The system can easily manage the shop's stocks and provides the accuracy in work.