

Session 2023-24

Department of Computer Science & Engineering  
Y.C.C.E. NAGPUR

**Project Based Learning Activity (MSPA-IV)**

***Course: CSE-2432***

***LAB .NET FULLSTACK DEVELOPER***

**Title of the Project:** Fruit and Juice Selling Website

**Group Members**

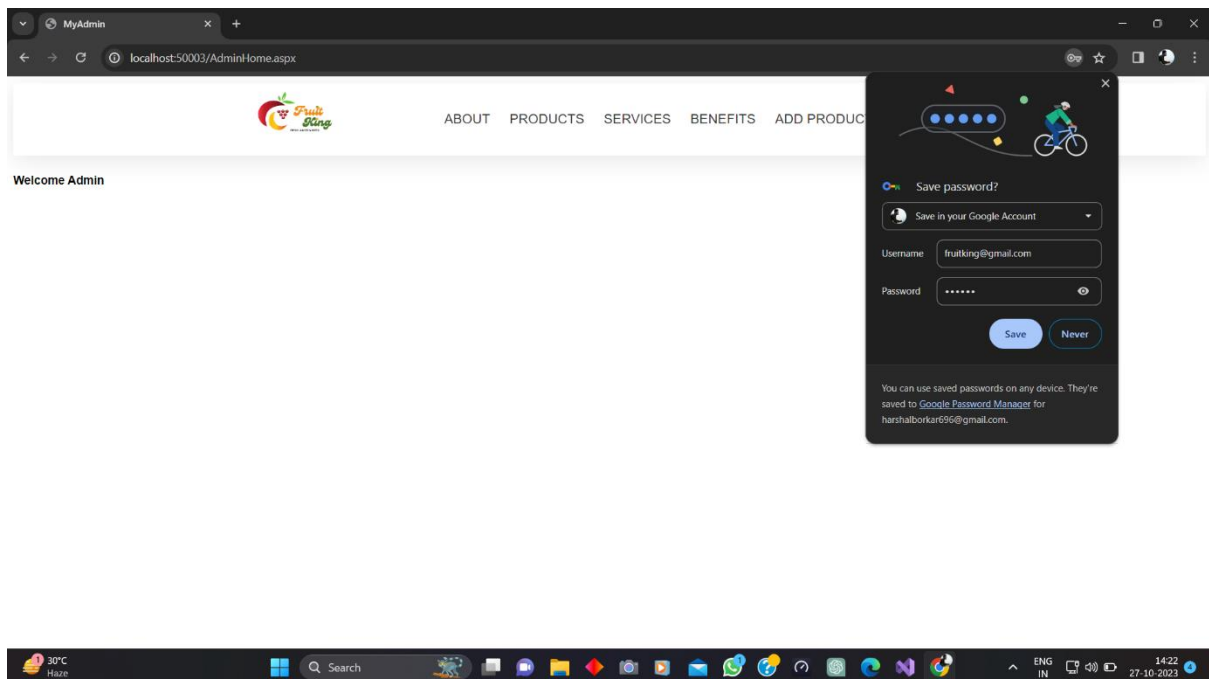
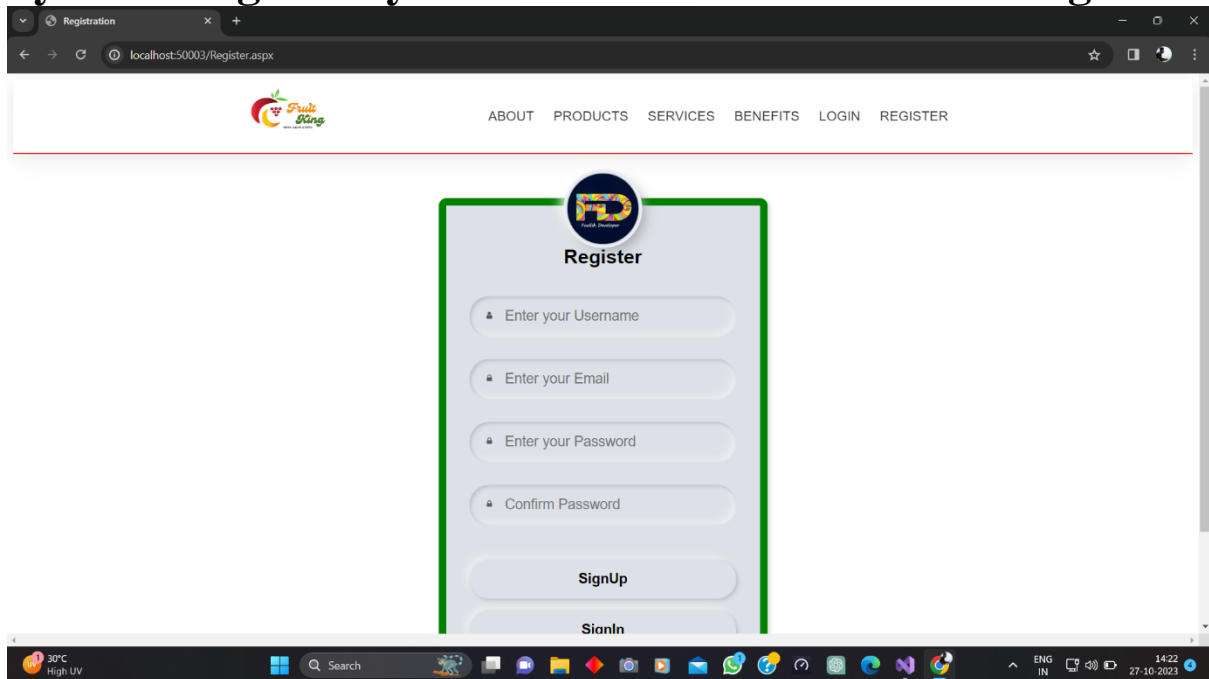
**Group Number: 1**

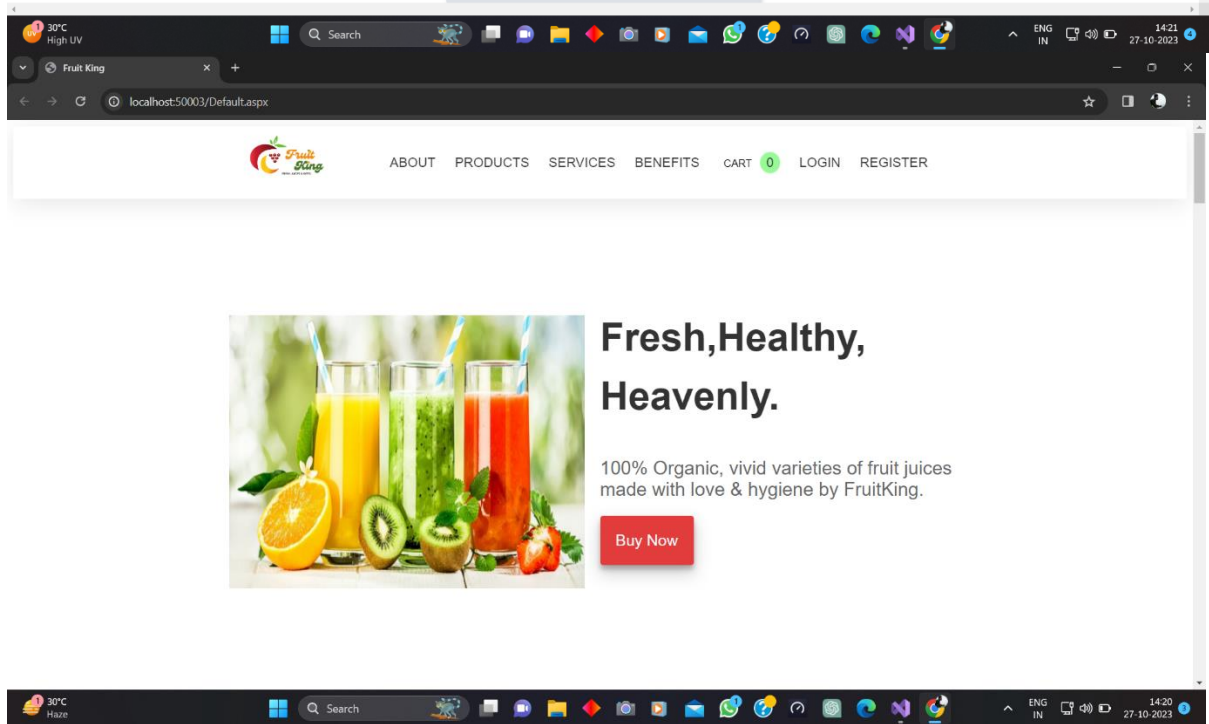
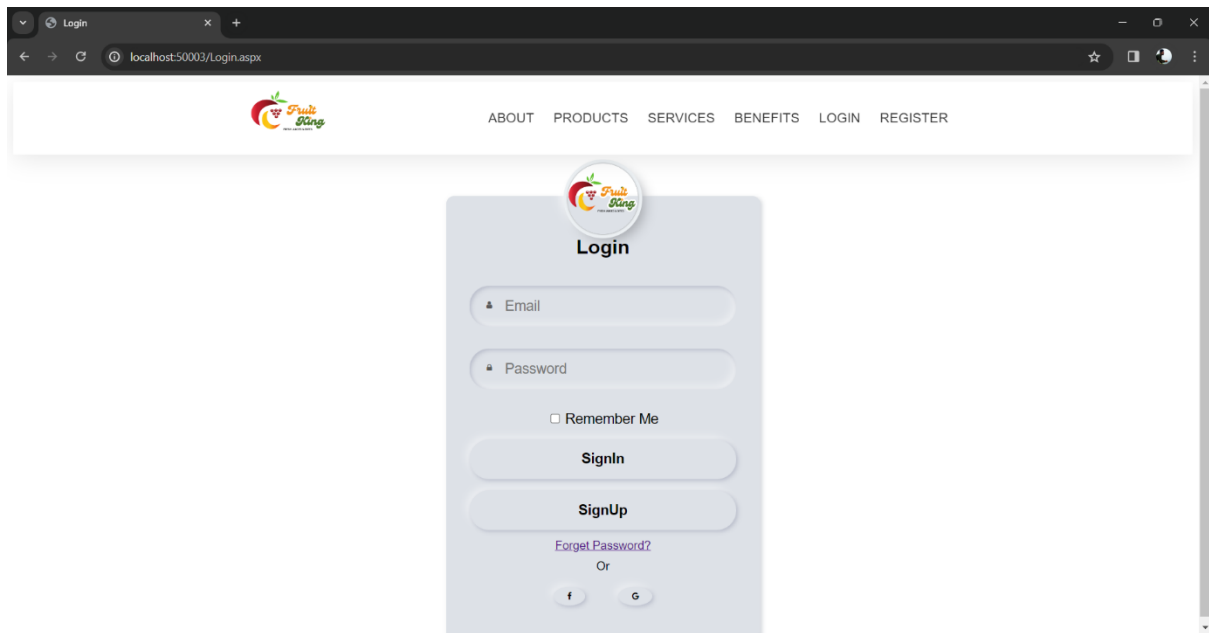
Roll No.	Name of student	Contribution in the Project
32	Aditya Pethe	Frontend and Backend
40	Atharva Jadhav	Frontend
46	Harshal Borkar	Frontend and Backend
67	Sankit Binkar	Frontend and Backend

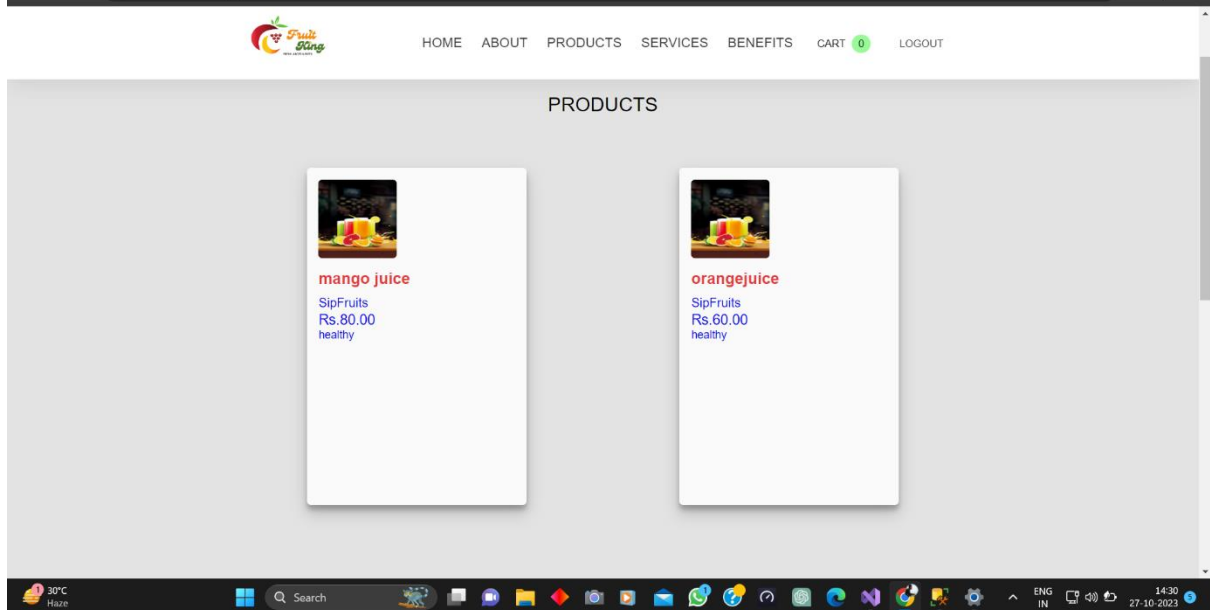
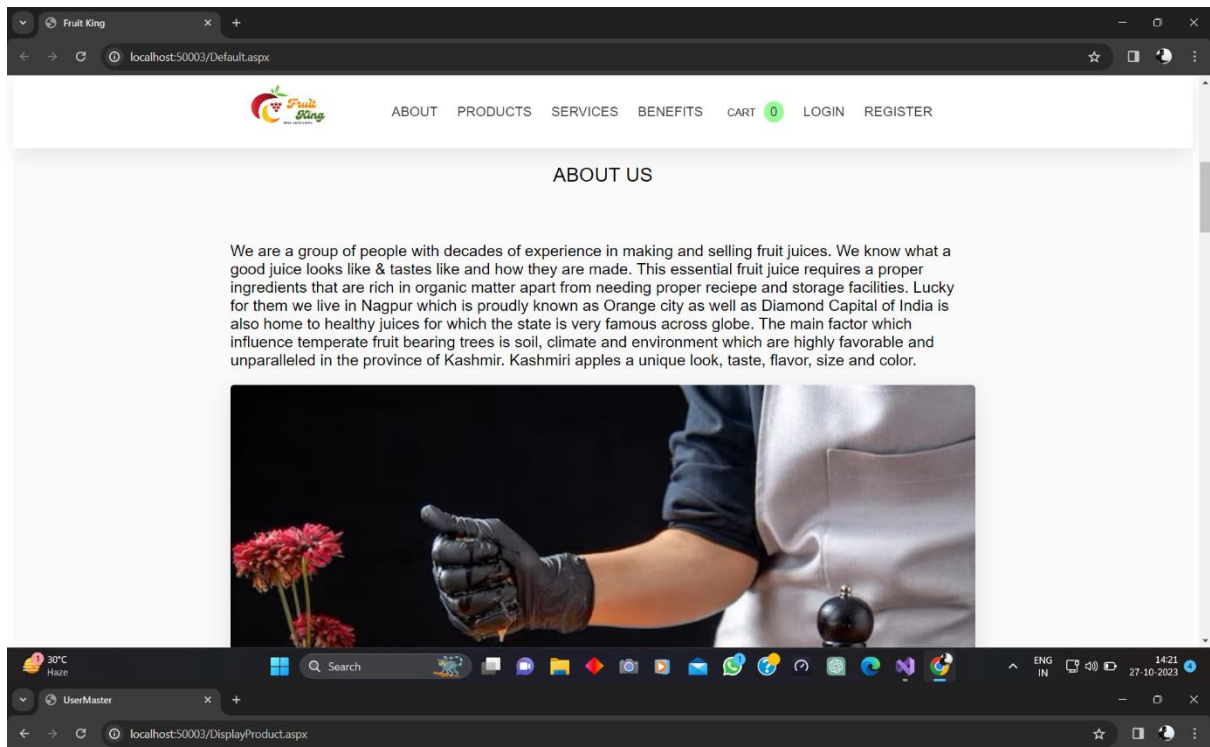
## Problem Statement:

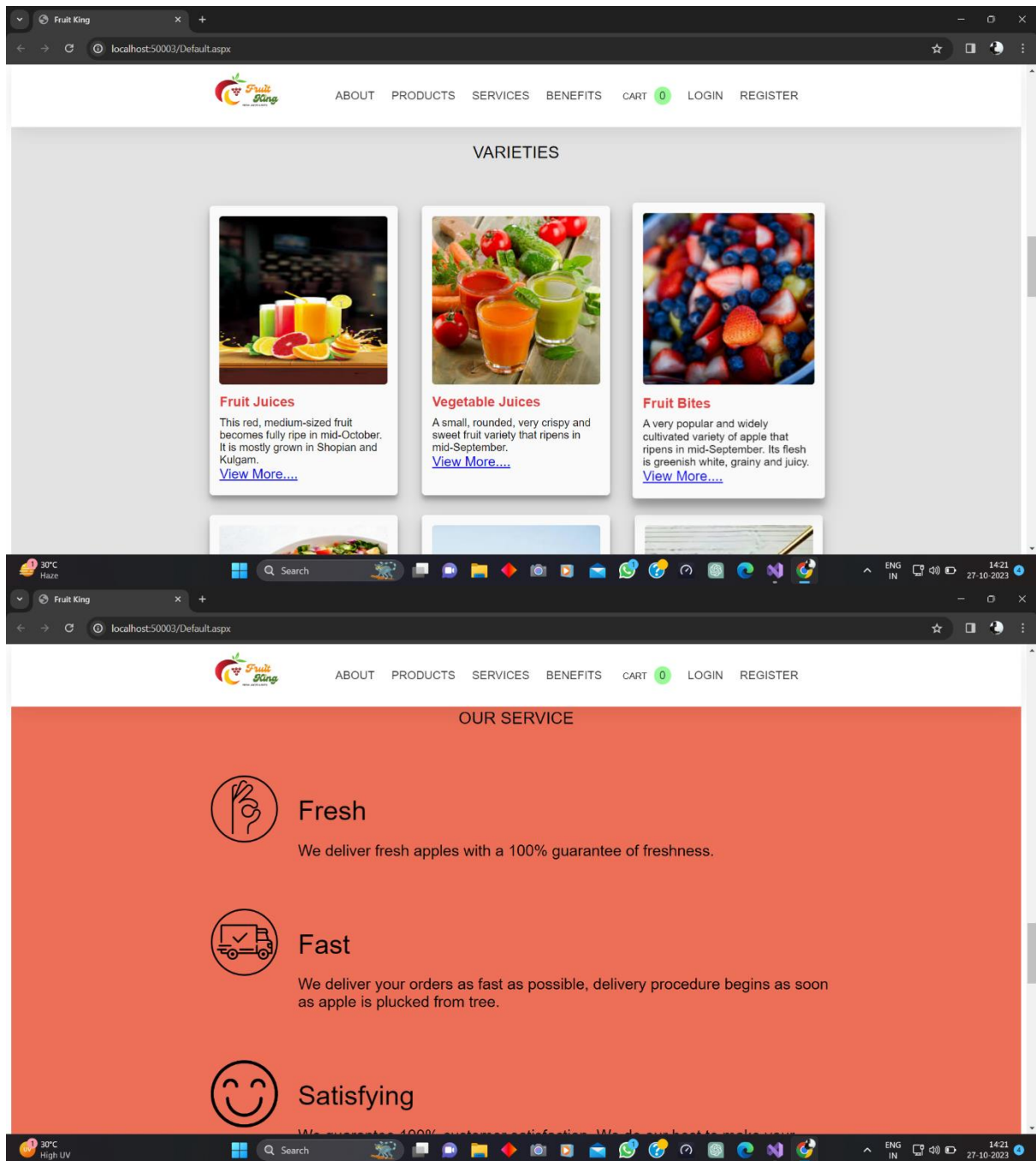
- Fruit King – A website on which a user can order fresh fruit juices and smoothies using .Net technology.

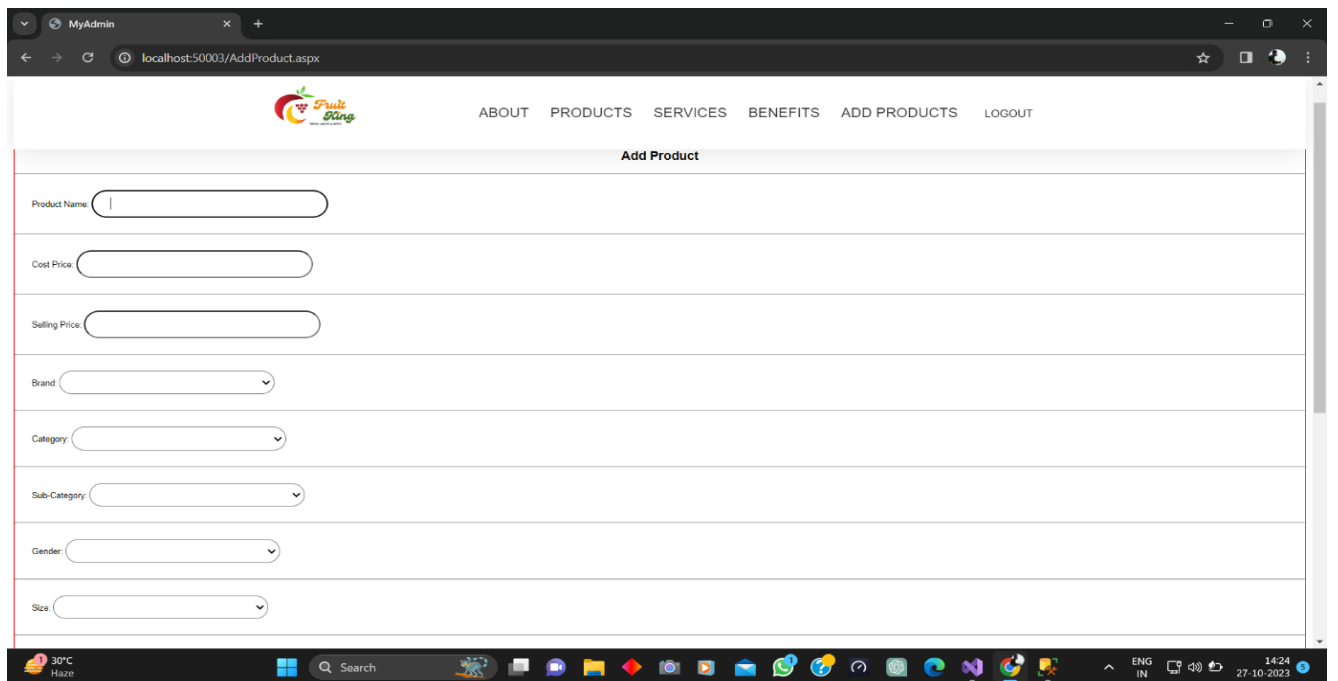
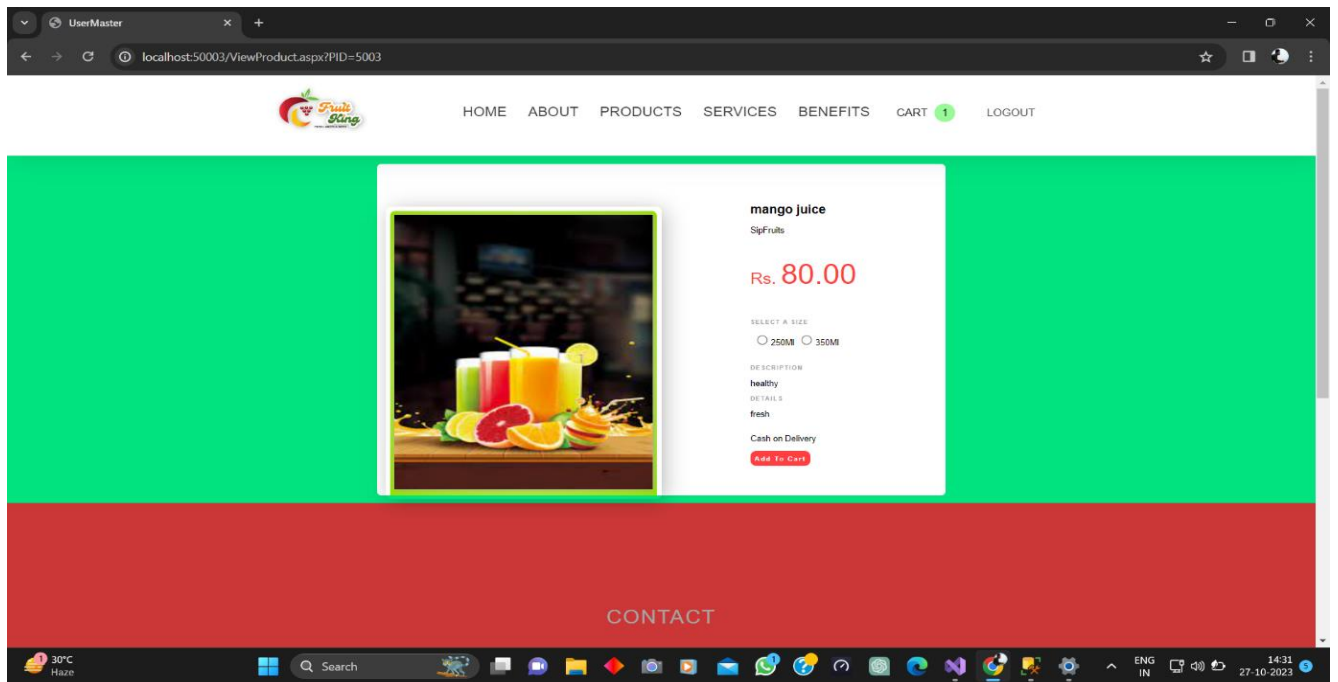
## System Diagram/System Architecture/Data flow diagram:











# Implementation Details:

## Dataset Description:

No specific dataset used. User Login Credentials dataset and Product Details dataset is maintained.

## Languages Used:

- **C#:**

C# is an object-oriented, component-oriented programming language. C# provides language constructs to directly support these concepts, making C# a natural language in which to create and use software components.

- **HTML:**

HTML (HyperText Markup Language) is the code that is used to structure a web page and its content. For example, content could be structured within a set of paragraphs, a list of bulleted points, or using images and data tables.

- **CSS:**

CSS is used to define styles for your web pages, including the design, layout and variations in display for different devices and screen sizes.

- **JavaScript:**

JavaScript is a programming language used to create dynamic content for websites. It achieves this by adding new HTML elements while modifying existing ones. Many coders enhance web development skills using JavaScript to create user-friendly and interactive websites.

- **SQL:**

Structured query language (SQL) is a programming language for storing and processing information in a relational database. A relational database stores information in tabular form, with rows and columns representing different data attributes and the various relationships between the data values.

## Features:

- Register
- Login / Logout
- Explore Products
- Select and Add to Cart
- Buy
- Admin has rights to add new products

## Code:

### Github Link:

<https://github.com/AdityaPetthe21/FruitKing-Website>

### Home.aspx.cs

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;

public partial class Home : System.Web.UI.Page
{
    protected void Page_Load(object sender, EventArgs e)
    {
        BindCartNumber();
        if (Session["Username"] != null)
        {
            LogOut.Visible = true;
            LogIn.Visible = false;
            SuccessTxt.Text= "Login Successfull<br/>Welcome " +
Session["Username"].ToString();
        }
        else
        {
            LogOut.Visible=false;
            LogIn.Visible=true;
            //Response.Redirect("~/Login.aspx");
        }
    }

    protected void LogOut_Click(object sender, EventArgs e)
    {
        Session.Abandon();
        Session["Username"] = null;
        //Response.Redirect("~/Login.aspx");
        Response.Redirect("~/Default.aspx");
    }

    protected void LogIn_Click(object sender, EventArgs e)
    {
        Session["Username"] = null;
        Response.Redirect("~/Login.aspx");
    }
}
```



```

    }
    public void BindCartNumber()
    {
        if (Request.Cookies["CartPID"] != null)
        {
            string CookiePID = Request.Cookies["CartPID"].Value.Split('=')[1];
            string[] ProductArray = CookiePID.Split(',');
            int ProductCount = ProductArray.Length;
            pcount.Text = ProductCount.ToString();
        }
        else
        {
            pcount.Text = 0.ToString();
        }
    }

    protected void BuyNow_Click(object sender, EventArgs e)
    {
        if (Session["Username"] != null)
        {
            Response.Redirect("~/DisplayProduct.aspx");
        }
        else
        {
            Response.Redirect("~/Login.aspx");
        }
    }

    protected void Cart_Click(object sender, EventArgs e)
    {
        if (Session["Username"] != null)
        {
            Response.Redirect("~/Cart.aspx");
        }
        else
        {
            Response.Redirect("~/Login.aspx");
        }
    }
}

```

## **Conclusion:**

In this project we have implemented all the concepts learned in .NET FULLSTACK LAB. Along with the project helps in developing skills like collaboration, teamwork and successfully develop a Fruit King Website with Backend and Frontend. These efforts help us in developing future real world projects.