A project report on

ONLINE FARMERS TRADING PORTAL

Submitted in partial fulfilment for the award of the degree of

B.Sc. Computer Science

By

V.DHIVYA - 18BCS0095

Under the guidance of

Prof. SENTHIL KUMARAN U

SCHOOL OF INFORMATION TECHNOLOGY &ENGINEERING

VIT, Vellore.

VIT®

Vellore Institute of Technology

(Deemed to be University under section 3 of UGC Act, 1956)

JUNE 2021

DECLARATION

I hereby declare that the thesis entitled "ONLINE FARMERS TRADING PORTAL" submitted by me, for the award of the degree of Specify the name of the degree VIT is a record of bonfide work carried out by me under the supervision of Senthil kumaren.U

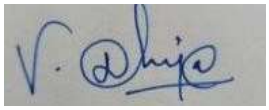
I further declare that the work reported in this thesis has not been submitted and will not be submitted, either in part or in full, for the award of any other degree or diploma in this institute or any other institute or university.

Place: Vellore

Date: 2/6/2021

Signature of the Candidate

V.Dhivya



CERTIFICATE

This is to certify that the thesis entitled “ONLINE FARMERS TRADING PORTAL**”** submitted by V.DHIVYA(18BCS0095) SITE ,VIT, for the award of the degree of Name of the degree is a record of bonafide work carried out byhim/her under my supervision during the period, 01. 12. 2018 to 30.04.2019, as per the VIT code of academic and research ethics.

The contents of this report have not been submitted and will not be submitted either in part or in full, for the award of any other degree or diploma in this institute or any other institute or university. The Project report fulfils the requirements and regulations of VIT and in my opinion meets the necessary standards for submission.

Signature of the Guide **Signature of the HOD**

Internal Examiner **External Examiner**

ABSTRACT

India is an agro based country. The main livelihood of the majoritarian population here is the farming who dwell in village and feed him entire country. Food is one among the essential necessities of a person's being, which is fulfilled by the farmers. However, they fail to urge proper price of the stock they sell within the market. Hence, there're deprived from getting profits for his or her stock. This website helps them in getting proper price for his or her stock and even get profit for his or her efforts. In a city many of us invest in shares sold by the businesses, they buy shares in highest quoted price by the way of biding. In large stock markets like BSE and NSE stocks are sold to the potential shareholders on price from this the corporate gets profits through shares and acquires funds for various purposes. In this way companies get profits shares which are sold through a highest bid price. Here, we think of a similar scenario for thr farmers in which they can get maximum pricing for their outcomes. To be sold to the wholesale venders. This idea is trading stock trading during which farmers can invite the very best price for his or her stock to be sold and may earn profit. Also, farmers can register themselves and have various other facilities such as feedback, contact to the wholesalers, price notifications etc.

ACKNOWLEDGEMENT

It is my pleasure to express with deep sense of gratitude to **Senthil Kumaran U**, **Associate Professor,** School of information technology & engineering, Vellore Institute of Technology>, for his/her constant guidance, continual encouragement, understanding; more than all, he taught me patience in my endeavor. My association with him / her is not confined to academics only, but it is a great opportunity on my part of work with an intellectual and expert in the field of Internet of Things**.**

I would like to express my gratitude to **Dr.G.Viswanathan**, Chancellor, VIT University, Vellore, **Shri G.V.Sekar**, Vice Chancellor, **Dr. S. Narayanan**, Pro-Vice Chancellor, and **Dr. Balakrishna Tripathy**, Dean, SITE, for providing with an environment to work in and for his inspiration during the tenure of the course.

In jubilant mood I express ingeniously my whole-hearted thanks to **I MALASERENE,** Head Of Department Computer Science and Associate Professor, all teaching staff and members working as limbs of our university for their not-self-centered enthusiasm coupled with timely encouragements showered on me with zeal, which prompted the acquirement of the requisite knowledge to finalize my course study successfully.I would like to thank my parents for their support.

It is indeed a pleasure to thank my friends who persuaded and encouraged me to take up and complete this task. At last but not least, I express my gratitude and appreciation to all those who have helped me directly or indirectly toward the successful completion of this project.

Place: Vellore

Date: 21/4/2021

CONTENTS

CONCLUSTION AND REFERENCE

LIST OF FIGURES

LIST OF TABLES

LIST OF ABBREVIATION

APMC: Agriculture Product Market Committee.

HUL: Hindustan Unilever Limited.

HTML: HyperText Markup Language.

ECMA script: European Computer Manufacturers Association Script.

PHP: Hypertext Preprocessor.

ASP: Active Server Pages.

CSS: Cascading Style Sheets.

MIME: Multipurpose Internet Mail Extensions.

RFC: Request for Comments.

SVG: stands for Scalable Vector Graphics.

CLR: Common Language Runtime.

MVC: Model–view–controller.

XML: Extensible Markup Language

1. AIM:

The main goal of this project is to provide a bridge of communication between the farmers and customers across the country so that they can get together and do business that is beneficial for both ends. Basically it will be a challenge for most of the farmers since they lack the knowledge about the new technology and trends of this fast developing world. The farmers who grow crops according to the season and fertility of the soil, after growing the crops they accumulate the crops, further process and pack them and contact the wholesale vendors regarding the availability of stock. The wholesale vendor first asks the price to the farmer who tells the price at which he/she can trade at. The wholesale vendor aiming for his own profits negotiates with the farmer regarding the price the poor framers sacrificing their profits generally accept the price quoted by the wholesale vendor. So, he/she sell their stock at low prices due to some unfavourable conditions such as financial problems, unavailability of wholesale vendors or market etc. Some farmers who live very near to the cities bring their stock directly to the wholesale markets and sell their stock to the retailers and end customers. But for the farmers who live in the remote areas, it is not possible for them to come to the cities do frequently and sell their stock directly in their quoted price. Hence, they have no other option but to contact the wholesale vendor for selling their products in the market. It is indeed a very long process to grow crop since there are various other conditions such as weather issues, soil infertility, seed defects etc. They expect to get some profits for many such issues they face. The success of this project will provide its fruitful benefits for both the customer and the farmers, providing knowledge and covering different aspects of the resources that they are unaware of till date.

2. OBJECTIVE OF THE PROJECT:

In our day to day life we consume food and our survival is based on mainly food. A considerable amount of our food is coming from farms and other means too. These farmers do their hard work for growing and serving many lives across the country, which pays for their source of income. But due to intermediates in the selling of their profit and mostly live poor. By this project we will be able to connect farmers directly to the customer so that direct dealing of products can be accomplished. This will result in a significant decrease in the prices of the products currently available in the market as well as the profit will directly reach the farmers pocket.

We are surrounded by technology but there are many people who are unaware of the benefits of this project and the support for the awareness of the projects many farmers will be able to use as well as will be taught how to use this application with its benefits.

3. MOTIVATION:

Agriculture marketing still continues to be in a bad shape in rural India. In the absence of sound marketing facilities, the farmers have to depend upon local traders and middlemen for the disposal of their farm produce which is sold at throw –away price.

The status of farmers in India is such that thsy buys everything in retail and sells their produce in wholesale. With different Agriculture Product Market committee(APMC) acts in different states, lack of clarity on the prices set by these agencies, high lobbing capacity of them middle men has resulted in exploitation of farmers and crops not fetching the right price

Considering the above scenario faced by farmers we have designed this web portal so that farmers will be able to market their product without the involvement of middlemen or any third party. Our system will deal with all aspects of farmer's products

4. SCOPE

- Connecting Farmer to the Customer via application.
- Providing knowledge to the farmers by the means of government schemes available to them.
- Review and comment option.
- Notifications to the farmer and customer form server side.

5. LITERATURE SURVEY:

Farmers Agriculture is the backbone of the Indian economy which plays the most decisive role in the socio-economic development of the country. Indian agriculture is a miscellaneous and extensive sector involving a large number of actors. Agricultural research in India has an interesting history regarding its growth and development.

5.1 RELATED PROJECT:-

BIG BASKET:

bigbasket.com (Innovative Retail Concepts Private Limited) is India's largest online food and grocery store. With over 18,000 products and over 1000 brands in our catalogue you will find everything you are looking for. Right from fresh Fruits and Vegetables, Rice. Spices and Seasonings to Packaged products, Beverages, Personal care products, Meats – we have it all. Choose from a wide range of options in every category, exclusively handpicked to help you find the best quality available at the lowest prices. Select a time slot for delivery and your order will be delivered right to your doorstep, anywhere in Bangalore, Hyderabad, Mumbai, Pune, Chennai, Delhi, Noida, Mysore, Coimbatore, Vijayawada-Guntur, Kolkata, Ahmedabad-Gandhi

agar , Luck now -Kanpur, Gurgaon, Vadodara, Visakhapatnam, Nagpur, Patna, Indore and Chandigarh You can pay online using your debit / credit card or by cash on delivery. Big Basket works on inventory model. They buy products from leading suppliers like P&G, HUL, mills, farmers, etc., and store the products in the large-scale warehouse, or small go-downs. And from there it serves the orders to customers, which means for all preserved products they straight buy the stocks from manufacturers. Whereas for un-preserved products, to avoid the wastage, they use 'just-in time model' (purchase-to-order) where they link with local farmers & suppliers, and it assists in decreasing inventory price.

REVIEW: 1

TITLE: E-trading of Agricultural Products from Farm to Customer Application

YEAR: 2017

AUTHOR: Rituraj Chauhan, Shreevyankatesh Jagtap , Shubham Ahire , Akshay Bhoyate , Prof. Dr. K.C. Nalavade

ABSTRACT: We are surrounded by technology but there are many people who are still unaware of the benefits of this technology or its use, by the help of this project and the support for the awareness of the projects many farmers will be able to use as well as will be taught how to use this application with its benefits. There are several online web portals as well as android based applications which are based on a similar idea. But most of them end up adding sellers as one of the intermediates which again starts the indirect selling chain of supply of the products.

REVIEW: 2

TITLE: Smart Agriculture Assistant and Crop Price Prediction

YEAR: 2019

AUTHOR: Sachin R Inchal, Mrs. Vani Ashok

ABSTRACT: The smart agriculture assistant and crop price prediction web application help farmers, for crops that can be grown, the reference yield for each crop and fertilizer recommendation for crops based on soil sample tested. Secondary and micronutrients required for soil are suggested to the farmer, E- Agriculture shopping will help the farmer to buy better products for agriculture. The daily live price of crops and crop price prediction will assist the farmer for better crop marketing. The crop price prediction will predict the crop price for the

next 12 months which will help farmers to know the crop price at the harvesting time or selling time.

REVIEW: 3

TITLE: E-Farming

YEAR: 2017

AUTHOR: Sindhu M R, Aditya Pabshettiwar, Ketan.K.Ghumatkar, Pravin.H.Budhehalkar, Paresh.V.Jaju

ABSTRACT: E-farming will serve as a way for the farmers to sell their products across the country just with some basic knowledge about how to use the website. The site will guide the farmers in all the aspects, the current market rate of different products, the total sale and the earned profit for the sold products, access to the new farming techniques through e-learning and centralized approach to view different government's agriculture schemes including the compensation schemes for farming. Getting availed to the required information related to the markets and different products can be made possible through the SMS facility provided by the system.

REVIEW: 4

TITLE: A Study of Online Trading System

YEAR: 2020

AUTHOR: A.Ganesan; S.Vijay; Dr. N.Revathy

ABSTRACT: Online Trading System is a boon as it saves lot of time. It is a process whereby consumers directly buy goods, services etc. from a seller without an intermediary service over the Internet. Shoppers can visit web stores from the comfort of their house and shop as by sitting in front of the computer. Online stores are usually available 24 hours a day and many consumers have internet access both at work and at home. So it is very convenient for them to shop Online. One of the most enticing factors about online shopping, it alleviates the need to wait in long lines or search from a store for a particular item. Variety of goods is available in online.

REVIEW: 5

TITLE: E-Mandy a Market Exchange between Farmers and End-user

YEAR: 2019

AUTHOR: Sheetal Bhagwat, Sandhyarani Lavhare, Sneha Ingle, Nirmal Chaudhari

ABSTRACT: - In this paper, we have proposed to transform the traditional architectural trading into an electronic exchange between the consumers and farmers in the agricultural supply chain. Mathematical modelling and preferential evaluation of buyer and supplier satisfaction is done. This preference is then given as an input to the Naïve Bayes algorithm. The app will take up the opportunity and

Will revolutionize the life for farmers through the mobile application, it is substantially designed for farmers that are resigning in rural areas of India. E-Mandy is an online fruits & vegetable store that is dedicated to providing services to people in making online marketing accessible to them.

5.2 LITERATURE REVIEW TABLE:-

Author/Date	**Area**	**Name of the paper**	**Relevant Findings**
P. S. Anwesha Borthakur 2012	Farmers	Agricultural Research In India: An Exploratory Study	The agricultural research system in India includes some 27,500 scientists and more than 100000 supporting staff actively engaged in agricultural research which makes it the largest in the world
M. N. Praveen Kumar 2013	Farmers	Agriculture In India: A Swot Analysis	. While the strength lies in having the largest cultivable land with record food grains production, our weakness lies in having low yields,

			less value addition and food processing and large amount of post-harvest losses
A. T. Gopikrishna Suvanam	Stock Market	Imbalances Created Because Of Structured Products In Indian Equity Markets	Index futures were introduced as the first exchange traded equity derivative product in the Indian markets. In a span of a year and a half after that index options, stock options and lastly stock futures were introduced
N. H. V. E. H. Panneerselvam Peramaiyan 2012	Farmers	Indian Farmers' Experience With And Perceptions Of Organic Farming	Increase agricultural yield have led to significant surface and ground water contamination, an increased incidence of pests and diseases, and loss of biodiversity. Increased production costs and indebtedness are other problems faced by farmers in India

S. Yadhav 2017	Stock Market	Imbalances Created Because Of Structured Products In Indian Equity Markets	Index futures were introduced as the first exchange traded equity derivative product in the Indian markets. In a span of a year and a half after that index options, stock options and lastly stock futures were introduced
P. Klemperer 1999	Auction	Auction Theory	In ascending-bid auctions, the bidders raise the object's price by providing higher and higher bids, until only a single bidder remains and the price paid is equal the last bid
M. Pankaj Srivastava	Indian Scenario	A Study Of Indian Stock Market Scenario	This action of our government has thus, allowed the market forces i.e. supply and demand, to rule the commodity

M. S. M. S. I. Shakeel-UlRehman	Indian Scenario	Indian Agricultural Marketing	At present the Indian commodity market adopts a two-tier structure for the mechanism of the system, viz. Regional structures and country wide structure
N. Kumari 2014 Commodity Market Recent Trends In Commodity Markets Of India Exchange traded commodities have seen an upturn in the volume of trading since the start of the	Commodity Market	Recent Trends In Commodity Markets Of India	Markets Of India Exchange traded commodities have seen an upturn in the volume of trading since the start of the

6. EXISTING SYSTEM

In the existing system the billing alone is maintained in Offline. In the existing system the online trading maintains the offline process. There is always an existing system, regardless of whether it currently uses a computer. It was a very hard task in this phase to analyse problems. Despite the success of purchasing through offline shopping stores, there are still some disadvantages that most people complain about problem, Rate problems etc., so the manpower usage also high for response of each customer. Lot of customer queries is handled every day. The study of the existing system revealed that the system has several drawback.

There are no pitfalls in shopping for agriculture product online. But many people think that they are unable to touch anything through their laptops and mobile app while shopping for

agriculture product online at Big Basket. So, it becomes challenging for them to evaluate the quality of the product.

- Order cancellation, order return etc. Is painful. This is exact opposite of time saving on online ordering
- Your data is at risk of getting hacked. Since any online service is prone to hacking so it may pose security issues

7. PROPOSED SYSTEM:-

7.1 CUSTOMER:

- A convenient method to order the agriculture products such as food grains, vegetables online in wholesale or retail.
- Direct trade between customers and farmers through a virtual intermediary. Ensuring a reliable customer service for customer satisfaction.
- Timely delivery of stock keeping in mind non-perishability of goods.

An innovative platform for buying agriculture products online

7.2 SYSTEM:

- The System being a new concept would be useful for conducting direct trade between customers and farmers
- Customer satisfaction would result in building goodwill and reputation in market to increase reliability

  Employing better ways for customer satisfaction and customer retention through quality services and efficient consumer grievance system through feedback.

7.3 FARMERS:

- Farmers can sell their stock online to the customers directly such that they can sell at profits by the bidding price quoted by them to the highest price in which the customers are ready to buy.
- Farmers can sell their stock in both wholesale and retail quantities to the customers.

7.4 ADVANTAGES:-

- To provide information in minimum time and also with minimum effort.
- To avoid human committed errors and misclassification as far as possible.

Safety. It is very much protected in such a way that it gives permission to the users to access only when the username and password is correct.

- To offer better services in comparison with the services offered by the present system.
- To ensure the avoidance of the duplication of the various process.
- To build up a fully multi user online system.
- To design the project with the flexibility so that it can be changed in future and thus making an extension of the expected life of the system.
- To make the system easily maintainable so that the workers and users of the system can handle the system satisfactorily with easy and convenience.

8. SYSTEM DEVELOPMENT

8.1 HARDWARE CONFIGURATION

The hardware used for the development of the project is

PROCESSOR RAM : 2 GB (RAM)

MONITOR HARD DISK : NORMAL

CD-DRIVE : NORMAL

8.2 SOFTWARE CONFIGURATION

The software used for the development of the project is:

OPERATING SYSTEM : WINDOWS 10

ENVIRONMENT : VISUAL STUDIO .NET 2012

.NET FRAMEWORK : VERSION 4.5

WEB TECHNOLOGY : ACTIVESEVERPAGES.NET

REPORTS : WEB FROM DATA GRID CONTROL

BACKEND : SQL SERVER 2012

9. FUNCTIONAL REQUIREMENTS

- Connecting Farmer to the Customer via application.
- Chatting option for Farmer and Customer
- Information are automatically stored
- Providing knowledge to the farmers by the means of government schemes available to them.
- GPS location stored into system database for location of the farmer.
- Multiple language option for easy of understanding.
- If you cancel, that current page then comes to the home page.
- Review and comment option.
- Should provide access to authorized users only.
- Notifications to the farmer and customer from server side.

10. NON – FUNCTIONAL REQUIREMENTS

- **Security purpose:** To set a password for some field
- The system should having a speed for easy for operate it
- The system should reload within 10seconds.
- The system is designed for a user friendly environment so that farmers can perform the tasks easily and in an effective way
- Should maintain a complete audit trail of all the user interactions with the system
- The System should be available for 24/7.
- Having the feedback page to the system then only identifies the mistakes and the correct it also which are the requirements liked by them
- Should provide notification via SMS and Email to the users for all the activities requiring their attention.

11. MODULES DESCRIPTION:

11.1 ADMIN:-

Product Details

Admin Module only used by the Administrator. Administrator uses this module to add new products, modify the old product Rates etc., Product details Sub category of materials. Product details are must important for sales, customer have an idea about their Product which is they going to buy so product administrator should provide the full details about their Product to the Customers need.

Product Promotion

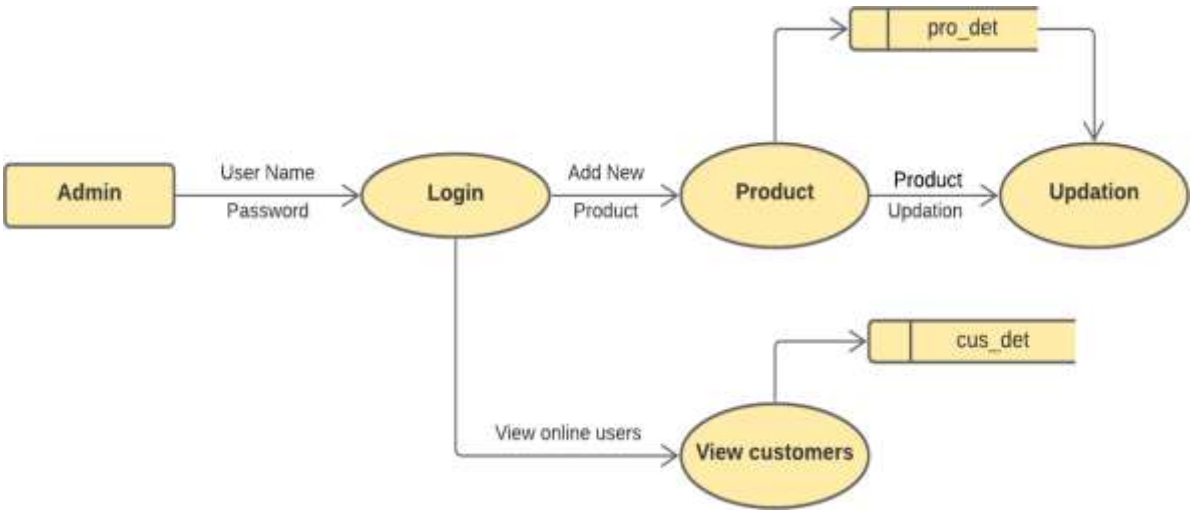
This Module is used to store other company's product promotion details. This is useful for customers for choosing best shop and feature differences. This module contains the product details, shop id, shop name and product description etc.

View Customer Details

Admin can view all the customers purchase details from this module. This module is very useful for future reference.

Level 0

Level 1



11.2 CUSTOMER:-

View Products

This module is used to purchase for various type of products required for customer from different location which includes product no, quality, price, purchasing date etc., The Products are categorized into different types vegetables like onion , tomato , garlic , potato etc..

Purchase Module Shows the Products and its related details which was purchased by the Customer through online. Customer can also add or cancel the Purchased items from the purchase table. Product details like product name, product code, Quantity of each Product, total quantity of products, price of each product, discounts for product, Total price**.**

New Customer Registration: This module is used to Enter Customer Details who visit the website. This module contains the details of customers like customer id, customer name, address, contact no, mail id, password and re-enter password.

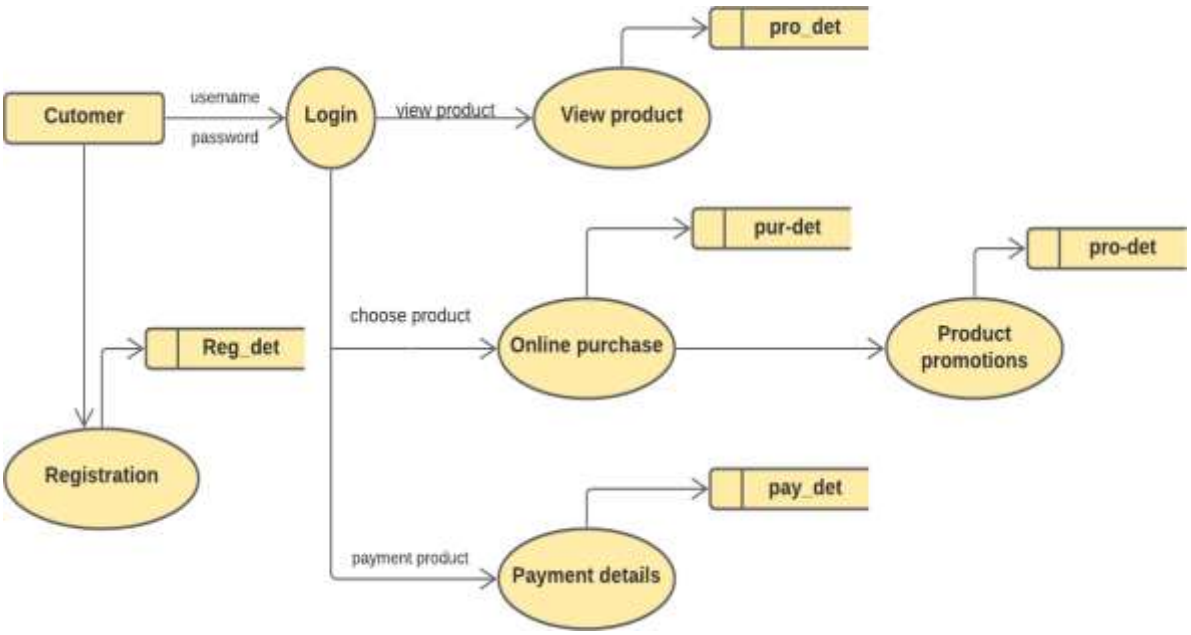
Customer Login:

The Customer can give their Username and Password to precede login. After the successful login the customer is allowed to view all the All Available Types of Category of Products and its details and Purchase too. The Images and Table representation is very useful for customers to know about the products features and other details.

Product Delivery:

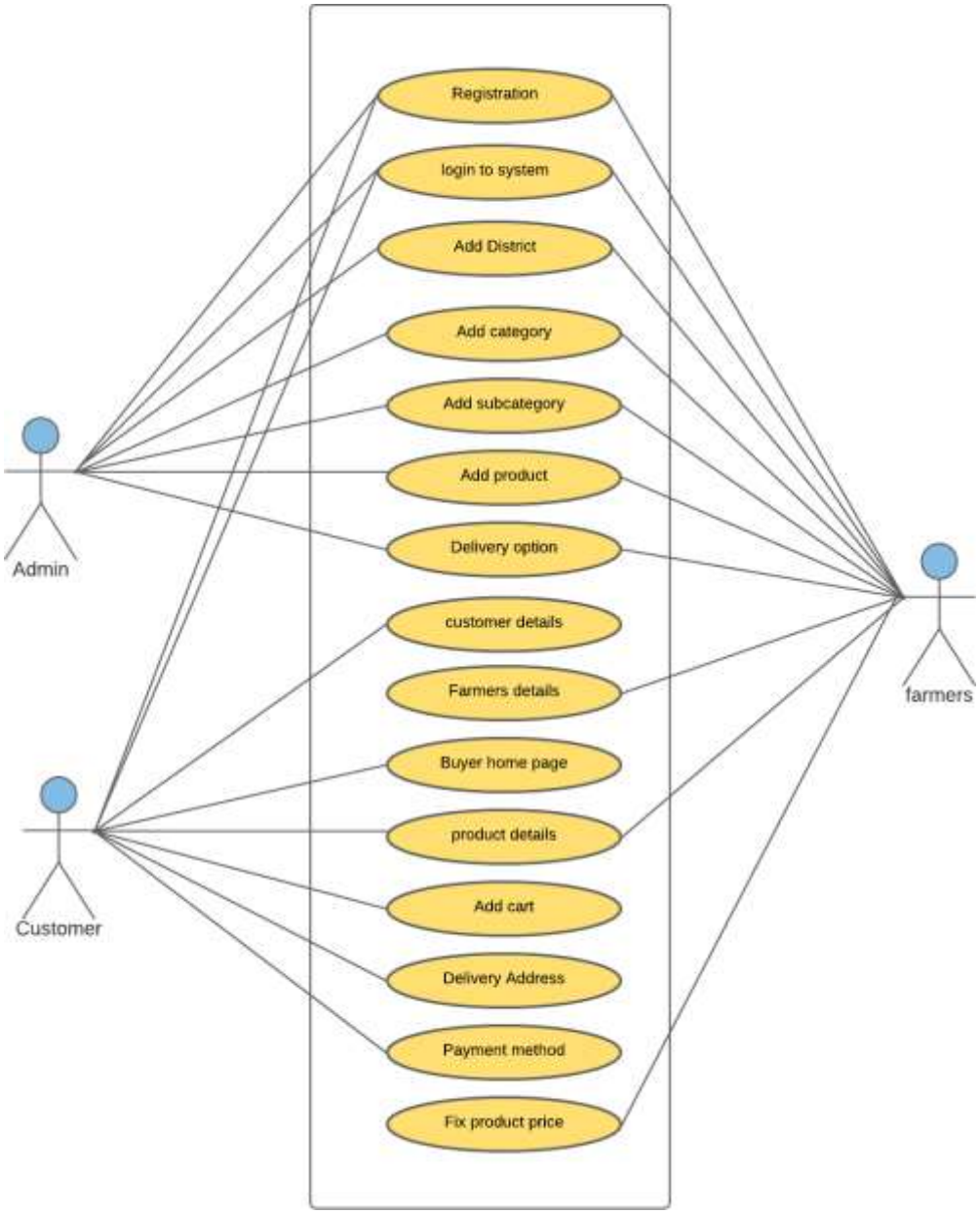
This module is used to manage the shipping purchased items to specified destination address from our organization. It includes Transaction No, Date, Payment Bank Details ,Customer Details and Other specified details etc.,.

Level 2

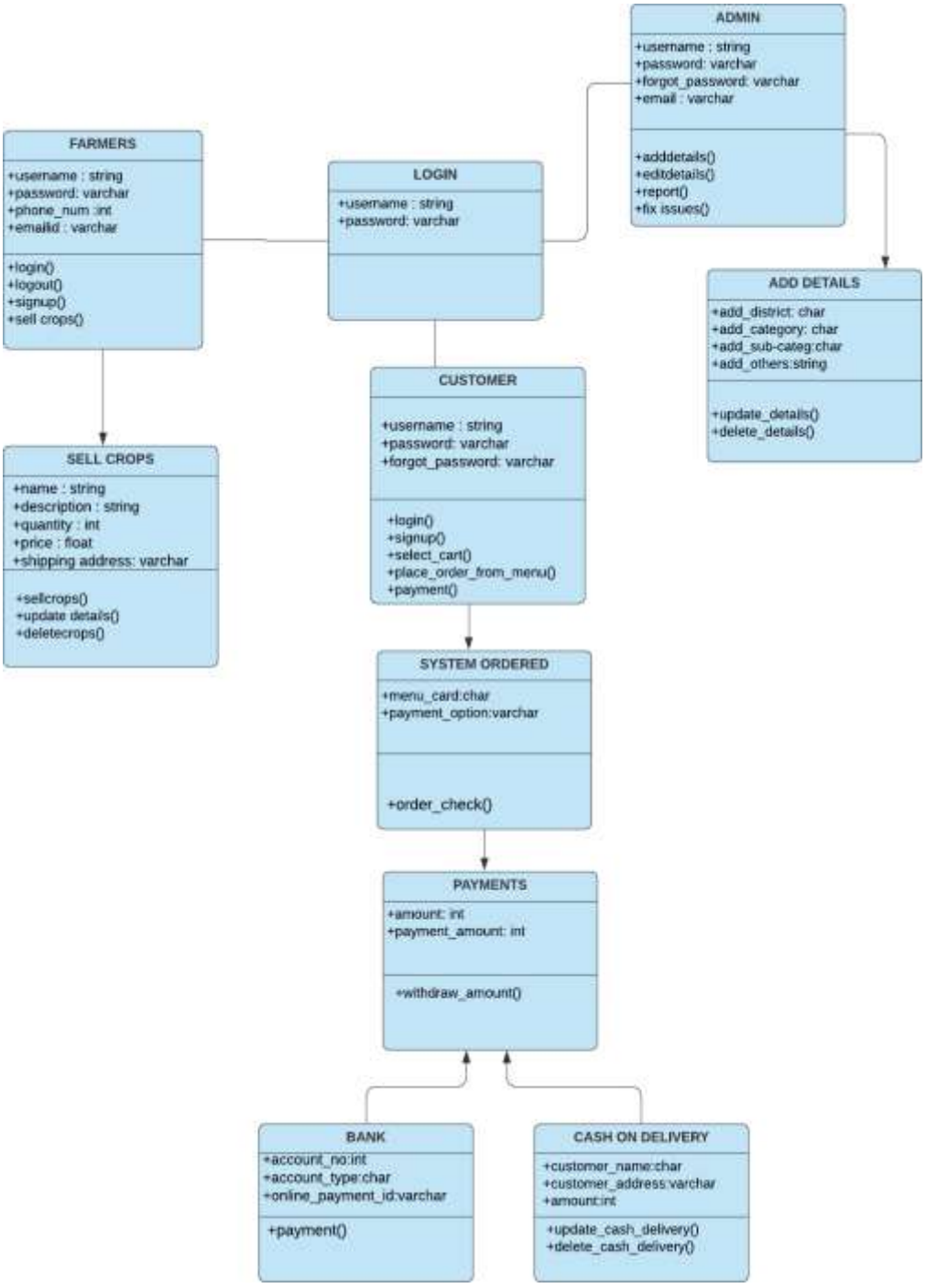


12. UML DIAGRAM

12.1 USE CASE DIAGRAM

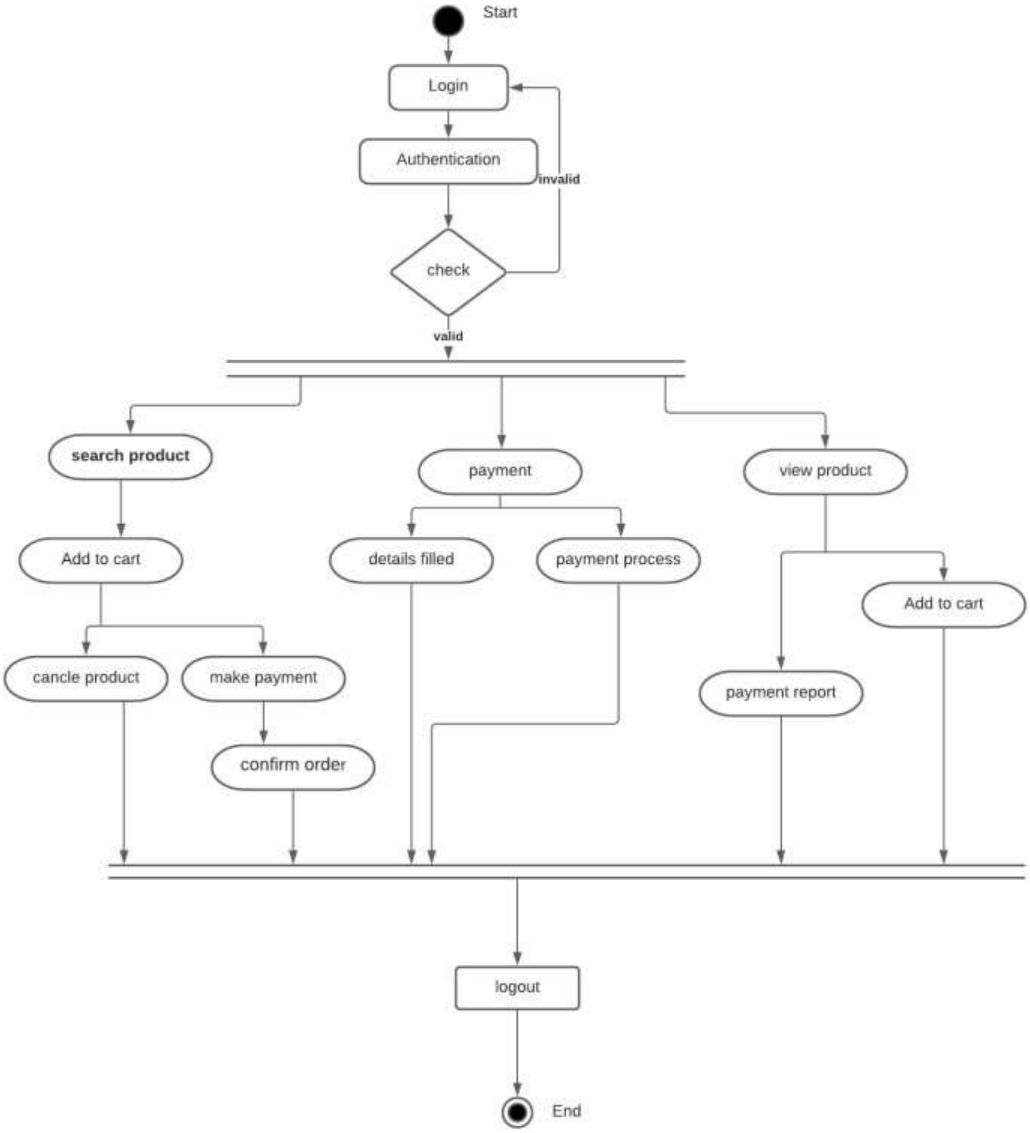


12.2 CLASS DIAGRAM

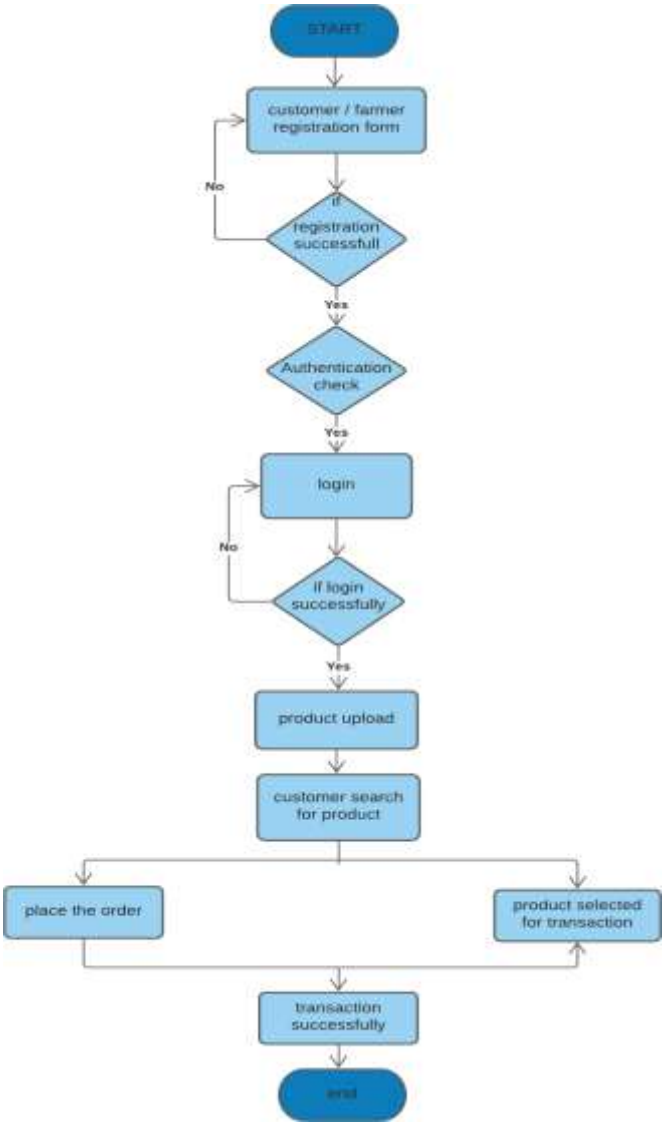


12.3 ACTIVITY DIAGRAM

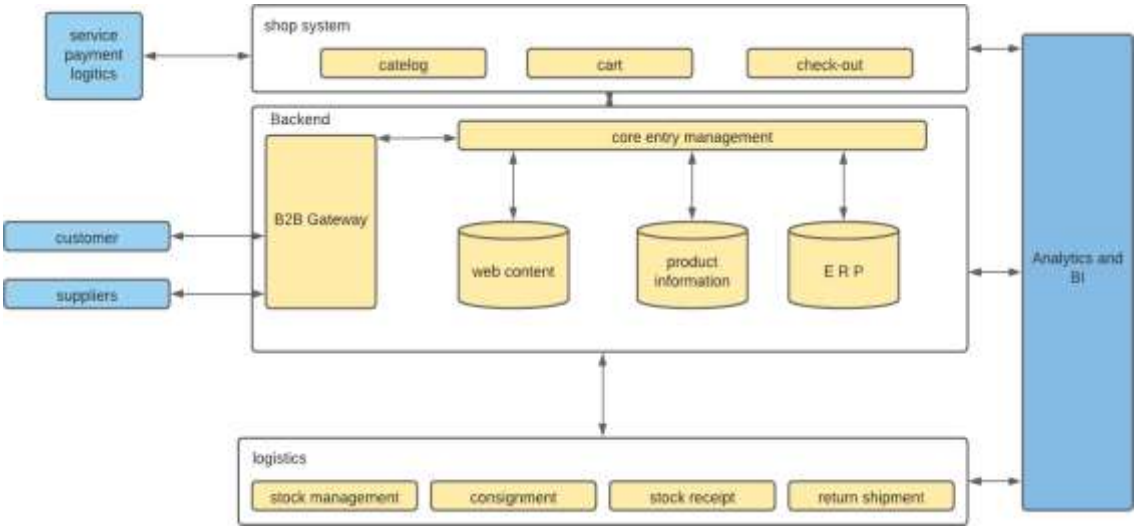
USER SIDE



12.4 FLOW CHART DIAGRAM

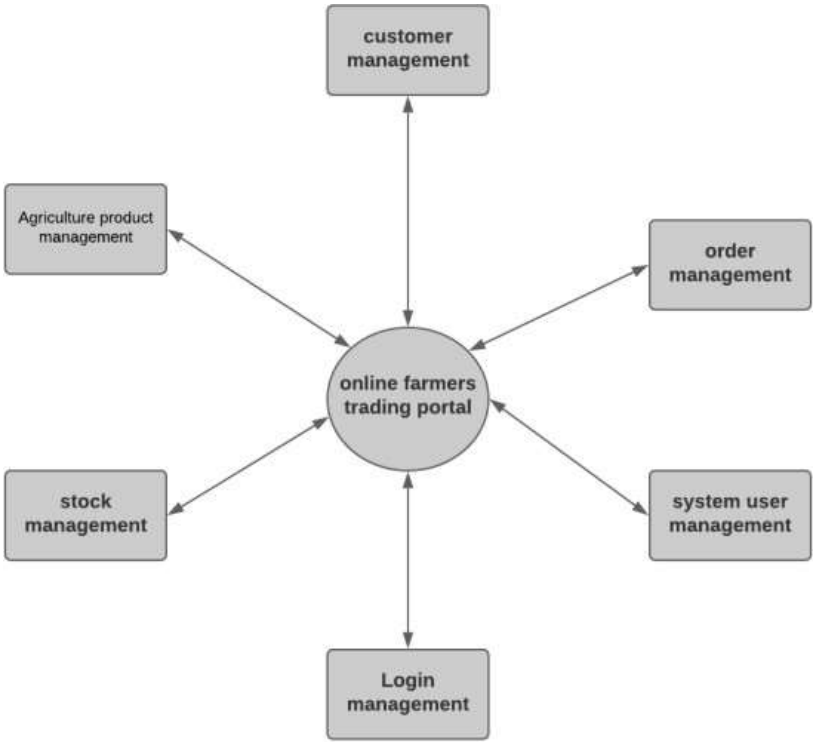


12.5 ARCHITECTURE DIAGRAM

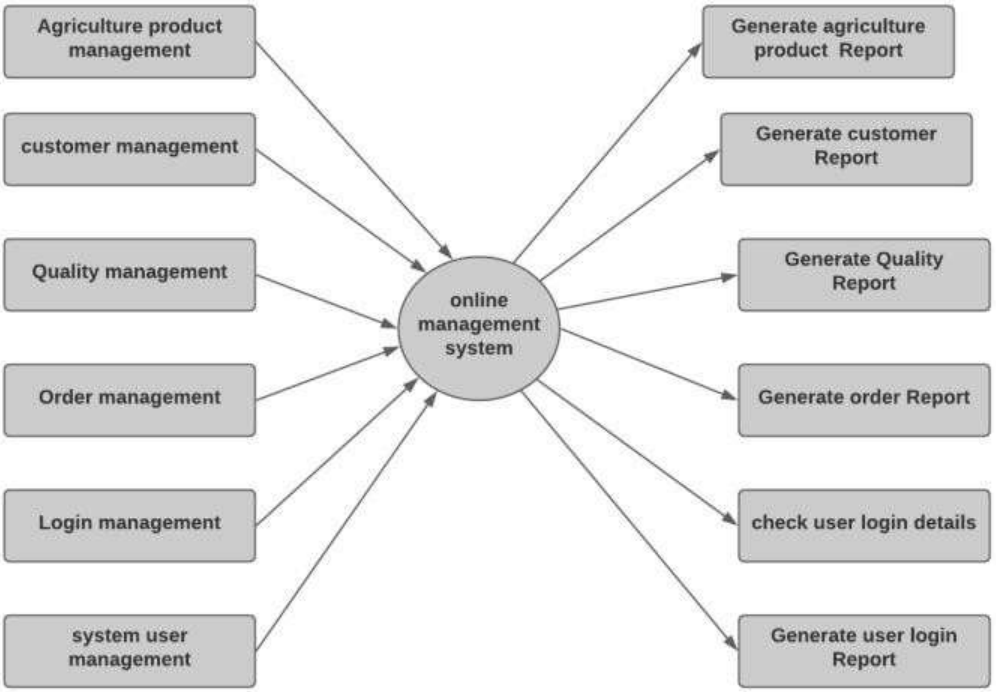


12.6 DATA FLOW DIAGRAM

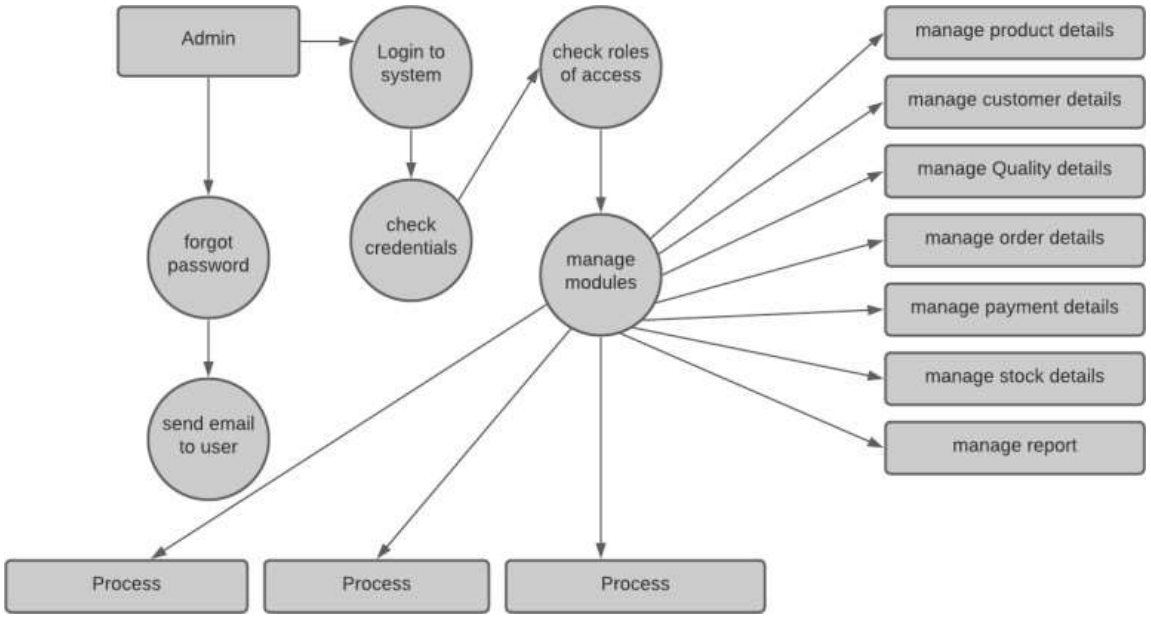
ZERO LEVEL DFD



FIRST LEVEL DFD



SECOND LEVEL DFD



13. IMPLEMENTATION:

13.1 CODE

LOGIN

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
using System.Data.SqlClient;
using System.Data;
using System.Configuration;

public partial class user_login : System.Web.UI.Page
{
    protected void Page_Load(object sender, EventArgs e)
    {
        if(!IsPostBack)
        {

            if(Request.Cookies["email"] !=null && Request.Cookies["password"] != null )
            {
                txt_email.Text = Request.Cookies["email"].Value;
                txt_pass.Text = Request.Cookies["password"].Value;
                CheckBox1.Checked = true;

            }
        }

    }

    protected void btn_login_Click(object sender, EventArgs e)
    {
        using (SqlConnection con = new
SqlConnection(ConfigurationManager.ConnectionStrings["framertrader"].ConnectionStri
ng))
        {
            con.Open();
            SqlCommand cmd = new SqlCommand("select * from tbl_signup where
email=@email and password=@password ", con);
            cmd.Parameters.AddWithValue("@email", txt_email.Text);
            cmd.Parameters.AddWithValue("@password", txt_pass.Text);
            cmd.ExecuteNonQuery();
            SqlDataAdapter sda = new SqlDataAdapter(cmd);
            DataTable dt = new DataTable();
            sda.Fill(dt);
            if (dt.Rows.Count != 0)
```

```
        {

            if(CheckBox1.Checked)
            {

                Response.Cookies["email"].Value = txt_email.Text;
                Response.Cookies["password"].Value = txt_pass.Text;

                Response.Cookies["email"].Expires = DateTime.Now.AddDays(2);
                Response.Cookies["password"].Expires = DateTime.Now.AddDays(2);

            }

            else
            {
                Response.Cookies["email"].Expires = DateTime.Now.AddDays(-1);
                Response.Cookies["password"].Expires = DateTime.Now.AddDays(-1);
            }


            string utype;
            utype = dt.Rows[0][4].ToString().Trim();

            if(utype == "user")
            {
                Session["email"] = txt_email.Text;
                Response.Redirect("~/user/userhome.aspx");

            }
            if(utype =="admin")
            {
                Session["email"] = txt_email.Text;
                Response.Redirect("~/admin/AdminHome.aspx");
            }

        }
        else
        {
            lblerror.Text = "invalid email and password";
        }


        //Response.Write("<script> alert('registration successfully done'); </script>");
        clr();
        con.Close();
       // lbl_warning.Text = "registration successfully done";
       //  lbl_warning.ForeColor = System.Drawing.Color.Green;

    }
}
```

```
    private void clr()
    {
        txt_email.Text = string.Empty;
        txt_pass.Text = string.Empty;
    }
}
```

FORGOT PASSWORD

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
using System.Data;
using System.Data.SqlClient;
using System.Configuration;
using  System.Net.Mail;
using System.Net;



public partial class user_forgot_password : System.Web.UI.Page
{
    protected void Page_Load(object sender, EventArgs e)
    {

    }

    protected void btn_login_Click(object sender, EventArgs e)
    {
        using (SqlConnection con = new
SqlConnection(ConfigurationManager.ConnectionStrings["framertrader"].ConnectionStri
ng))
        {
            con.Open();
            SqlCommand cmd = new SqlCommand("select *  from tbl_signup where
email=@email", con);
            cmd.Parameters.AddWithValue("@email", txt_email.Text);
            SqlDataAdapter sda = new SqlDataAdapter(cmd);
            DataTable dt = new DataTable();
            sda.Fill(dt);

            if(dt.Rows.Count !=0)
            {
                string myGUID = Guid.NewGuid().ToString();
                int uid = Convert.ToInt32(dt.Rows[0][0]);
```

```
                SqlCommand cmd1 = new SqlCommand("Insert into Forgotpass(id, uid,
        RequestDateTime) values ('" + myGUID + " ', '" + uid + " ', GETDATE() ) ", con);
                cmd1.ExecuteNonQuery();

                // send reset link //

                string ToEmailAddress = dt.Rows[0][3].ToString();
                string username = dt.Rows[0][1].ToString();
                string EmailBody = "Hi , "+username + " <br/><br/> Click the link below to
        reset your password<br/>
        http://localhost:11829/user/RecoveryPassword.aspx?id="+myGUID;
                MailMessage PassRecMail = new MailMessage(" gururam349@gmail.com",
        ToEmailAddress);
                PassRecMail.Body = EmailBody;
                PassRecMail.IsBodyHtml = true;
                PassRecMail.Subject = "reset password";
                SmtpClient SMTP = new SmtpClient(" smtp.gmail.com", 587);
                SMTP.Credentials = new NetworkCredential()
                {
                   UserName = "dhivya349@gmail.com",
                   Password = "dhivya349"

                };
                SMTP.EnableSsl = true;
                SMTP.Send(PassRecMail);

                //end send reset link //

                lblerror.Text = "reset link send ! Check your email for reset password ...";
                lblerror.ForeColor = System.Drawing.Color.Green;

            }
            else
            {
                lblerror.Text = "OOPS! This Email does not exist...Try again ";
                lblerror.ForeColor = System.Drawing.Color.Red;
                txt_email.Text = string.Empty;
                txt_email.Focus();

            }

        }
    }
}
```

SIGNUP PAGE

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
using System.Data;
using System.Data.SqlClient;
using System.Configuration;



public partial class user_signup : System.Web.UI.Page
{
    protected void Page_Load(object sender, EventArgs e)
    {

    }

    protected void btn_login_Click(object sender, EventArgs e)
    {
        if (isformvalid())
        {
            using (SqlConnection con = new
SqlConnection(ConfigurationManager.ConnectionStrings["framertrader"].ConnectionStri
ng))
            {
                con.Open();
                SqlCommand cmd = new SqlCommand("Insert into
tbl_signup(username,password,email,usertype) values ('" + txtuser.Text + "','" +
txtpass.Text + "','" + txtemail.Text + "', 'user')", con);
                cmd.ExecuteNonQuery();
                Response.Write("<script> alert('registration successfully done'); </script>");
                clr();
                con.Close();
                lbl_warning.Text = "registration successfully done";
                lbl_warning.ForeColor = System.Drawing.Color.Green;

            }
        }
        else
        {
            Response.Write("<script> alert ('registration failed'); </script>");
            lbl_warning.Text = "registration successfully done";
            lbl_warning.ForeColor = System.Drawing.Color.Red;
        }
    }
```

```
    private bool isformvalid()
    {
        if (txtuser.Text == "")
        {
            Response.Write("<script> alert ('user name not vaild'); </script> ");
            return false;
        }
        else if (txtemail.Text == "")
        {
            Response.Write("<script> alert ('user email not vaild'); </script> ");
            return false;
        }
        else if(txtpass .Text =="")
        {
            Response.Write("<script> alert ('user pasword not vaild'); </script> ");
            return false;
        }
        else if (txtpass.Text !=  txtconpass .Text)
        {
            Response.Write("<script> alert ('user confirm password not vaild'); </script> ");
            return false;
        }
        return true;
    }

    private void clr()
    {
        txtuser.Text = string.Empty;
        txtemail.Text = string.Empty;
        txtpass.Text = string.Empty;
        txtconpass.Text = string.Empty;
    }
}
```

ADMIN PROCESS

ADD DETAILS

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
using System.Data;
using System.Data.SqlClient;
using System.Configuration;
using System.IO;
```

```
public partial class AddProduct : System.Web.UI.Page
{
   public static String CS =
ConfigurationManager.ConnectionStrings["MyShoppingDB"].ConnectionString;
   protected void Page_Load(object sender, EventArgs e)
   {
      if(!IsPostBack)
      {
         //when page first time run then this code will execute
         BindBrand();
         BindCategory();
         BindGender();
         ddlSubCategory.Enabled = false;
         ddlGender .Enabled = false;

      }
   }

   private void BindGender()
   {
      using (SqlConnection con = new SqlConnection(CS))
      {
         con.Open();
         SqlCommand cmd = new SqlCommand("Select * from tblGender with(nolock)",
con);
         SqlDataAdapter sda = new SqlDataAdapter(cmd);
         DataTable dt = new DataTable();
         sda.Fill(dt);
         if (dt.Rows.Count != 0)
         {
            ddlGender.DataSource = dt;
            ddlGender.DataTextField = "GenderName";
            ddlGender.DataValueField = "GenderID";
            ddlGender.DataBind();
            ddlGender.Items.Insert(0, new ListItem("-Select-", "0"));

         }
      }
   }

   private void BindCategory()
   {
      using (SqlConnection con = new SqlConnection(CS))
      {
         con.Open();
         SqlCommand cmd = new SqlCommand("Select * from tblCategory", con);
         SqlDataAdapter sda = new SqlDataAdapter(cmd);
         DataTable dt = new DataTable();
         sda.Fill(dt);
```

```
            if (dt.Rows.Count != 0)
            {
                ddlCategory.DataSource = dt;
                ddlCategory.DataTextField = "CatName";
                ddlCategory.DataValueField = "CatID";
                ddlCategory.DataBind();
                ddlCategory.Items.Insert(0, new ListItem("-Select-", "0"));

            }
        }
    }

    private void BindBrand()
    {
        using (SqlConnection con = new SqlConnection(CS))
        {
            con.Open();
            SqlCommand cmd = new SqlCommand("Select * from tblBrands", con);
            SqlDataAdapter sda = new SqlDataAdapter(cmd);
            DataTable dt = new DataTable();
            sda.Fill(dt);
            if (dt.Rows.Count != 0)
            {
                ddlBrand.DataSource = dt;
                ddlBrand.DataTextField = "Name";
                ddlBrand.DataValueField = "BrandID";
                ddlBrand.DataBind();
                ddlBrand.Items.Insert(0, new ListItem("-Select-", "0"));

            }
        }
    }

    protected void btnAdd_Click(object sender, EventArgs e)
    {
        using (SqlConnection con = new SqlConnection(CS))
        {
            SqlCommand cmd = new SqlCommand("sp_InsertProduct", con);
            cmd.CommandType = CommandType.StoredProcedure;
            cmd.Parameters.AddWithValue("@PName",txtProductName.Text );
            cmd.Parameters.AddWithValue("@PPrice",txtPrice .Text );
            cmd.Parameters.AddWithValue("@PSelPrice", txtsellPrice .Text);
            cmd.Parameters.AddWithValue("@PBrandID", ddlBrand.SelectedItem .Value );
            cmd.Parameters.AddWithValue("@PCategoryID", ddlCategory
.SelectedItem.Value);
            cmd.Parameters.AddWithValue("@PSubCatID", ddlSubCategory
.SelectedItem.Value);
            cmd.Parameters.AddWithValue("@PGender", ddlGender .SelectedItem.Value);
            cmd.Parameters.AddWithValue("@PDescription", txtDescription .Text );
            cmd.Parameters.AddWithValue("@PProductDetails", txtPDetail .Text);
```

```
            cmd.Parameters.AddWithValue("@PMaterialCare", txtMatCare .Text);
            if (chFD .Checked ==true )
            {
               cmd.Parameters.AddWithValue("@FreeDelivery", 1.ToString ());
            }
            else
            {
               cmd.Parameters.AddWithValue("@FreeDelivery", 0.ToString());
            }

            if (ch30Ret .Checked == true)
            {
               cmd.Parameters.AddWithValue("@30DayRet", 1.ToString());
            }
            else
            {
               cmd.Parameters.AddWithValue("@30DayRet", 0.ToString());
            }
            if (cbCOD.Checked == true)
            {
               cmd.Parameters.AddWithValue("@COD", 1.ToString());
            }
            else
            {
               cmd.Parameters.AddWithValue("@COD", 0.ToString());
            }
            con.Open();
            Int64 PID = Convert.ToInt64(cmd.ExecuteScalar ());


            //Insert size quantity
             for(int i=0; i<cblSize .Items .Count;i++)
            {
               if(cblSize .Items [i].Selected ==true )
               {
                  Int64 SizeID = Convert.ToInt64(cblSize.Items[i].Value);
                  int Quantity = Convert.ToInt32(txtQuantity.Text);

                  SqlCommand cmd2 = new SqlCommand("insert into tblProductSizeQuantity
values('" + PID + "','" + SizeID + "','" + Quantity + "')", con);
                  cmd2.ExecuteNonQuery();
               }
            }
            //Insert and upload images
            if(fuImg01.HasFile )
            {
               string SavePath = Server.MapPath("~/Images/ProductImages/") + PID ;
               if(!Directory.Exists (SavePath ))
               {
                  Directory.CreateDirectory(SavePath);
```

```
            }
            string Extention = Path.GetExtension(fuImg01.PostedFile.FileName);
            fuImg01.SaveAs(SavePath + "\\" + txtProductName.Text.ToString().Trim() +
"01" + Extention);

            SqlCommand cmd3 = new SqlCommand("insert into tblProductImages
values('" + PID + "','" + txtProductName.Text.ToString ().Trim () +"01"+ "','" + Extention
+ "')", con);
            cmd3.ExecuteNonQuery();
        }
        //2nd fileupload
        if (fuImg02.HasFile)
        {
            string SavePath = Server.MapPath("~/Images/ProductImages/") + PID;
            if (!Directory.Exists(SavePath))
            {
               Directory.CreateDirectory(SavePath);

            }
            string Extention = Path.GetExtension(fuImg02.PostedFile.FileName);
            fuImg02.SaveAs(SavePath + "\\" + txtProductName.Text.ToString().Trim() +
"02" + Extention);

            SqlCommand cmd4 = new SqlCommand("insert into tblProductImages
values('" + PID + "','" + txtProductName.Text.ToString().Trim() + "02" + "','" + Extention
+ "')", con);
            cmd4.ExecuteNonQuery();
        }

        //3rd file upload
        if (fuImg03.HasFile)
        {
            string SavePath = Server.MapPath("~/Images/ProductImages/") + PID;
            if (!Directory.Exists(SavePath))
            {
               Directory.CreateDirectory(SavePath);

            }
            string Extention = Path.GetExtension(fuImg03.PostedFile.FileName);
            fuImg03.SaveAs(SavePath + "\\" + txtProductName.Text.ToString().Trim() +
"03" + Extention);

            SqlCommand cmd5 = new SqlCommand("insert into tblProductImages
values('" + PID + "','" + txtProductName.Text.ToString().Trim() + "03" + "','" + Extention
+ "')", con);
            cmd5.ExecuteNonQuery();
        }
        //4th file upload control
        if (fuImg04.HasFile)
```

```
        {
            string SavePath = Server.MapPath("~/Images/ProductImages/") + PID;
            if (!Directory.Exists(SavePath))
            {
                Directory.CreateDirectory(SavePath);

            }
            string Extention = Path.GetExtension(fuImg04.PostedFile.FileName);
            fuImg04.SaveAs(SavePath + "\\" + txtProductName.Text.ToString().Trim() +
"04" + Extention);

            SqlCommand cmd6 = new SqlCommand("insert into tblProductImages
values('" + PID + "','" + txtProductName.Text.ToString().Trim() + "04" + "','" + Extention
+ "')", con);
            cmd6.ExecuteNonQuery();
        }

        //5th file upload
        if (fuImg05.HasFile)
        {
            string SavePath = Server.MapPath("~/Images/ProductImages/") + PID;
            if (!Directory.Exists(SavePath))
            {
                Directory.CreateDirectory(SavePath);

            }
            string Extention = Path.GetExtension(fuImg05.PostedFile.FileName);
            fuImg05.SaveAs(SavePath + "\\" + txtProductName.Text.ToString().Trim() +
"05" + Extention);

            SqlCommand cmd7 = new SqlCommand("insert into tblProductImages
values('" + PID + "','" + txtProductName.Text.ToString().Trim() + "05" + "','" + Extention
+ "')", con);
            cmd7.ExecuteNonQuery();
        }

    }

}

protected void ddlCategory_SelectedIndexChanged(object sender, EventArgs e)
{
    ddlSubCategory.Enabled = true;
    int MainCategoryID = Convert.ToInt32(ddlCategory.SelectedItem.Value);

    using (SqlConnection con = new SqlConnection(CS))
    {
        con.Open();
        SqlCommand cmd = new SqlCommand("Select * from tblSubCategory where
MainCatID='" + ddlCategory.SelectedItem.Value + "'", con);
```

```
            SqlDataAdapter sda = new SqlDataAdapter(cmd);
            DataTable dt = new DataTable();
            sda.Fill(dt);
            if (dt.Rows.Count != 0)
            {
                ddlSubCategory.DataSource = dt;
                ddlSubCategory.DataTextField = "SubCatName";
                ddlSubCategory.DataValueField = "SubCatID";
                ddlSubCategory.DataBind();
                ddlSubCategory.Items.Insert(0, new ListItem("-Select-", "0"));

            }
        }
    }

    protected void ddlGender_SelectedIndexChanged(object sender, EventArgs e)
    {
        using (SqlConnection con = new SqlConnection(CS))
        {
            con.Open();
            SqlCommand cmd = new SqlCommand("Select * from tblSizes where BrandID='"
+ ddlBrand .SelectedItem.Value + "' and CategoryID='" + ddlCategory
.SelectedItem.Value + "' and SubCategoryID='" + ddlSubCategory .SelectedItem.Value +
"' and GenderID='" + ddlGender .SelectedItem.Value + "' ", con);
            SqlDataAdapter sda = new SqlDataAdapter(cmd);
            DataTable dt = new DataTable();
            sda.Fill(dt);
            if (dt.Rows.Count != 0)
            {
                cblSize .DataSource = dt;
                cblSize.DataTextField = "SizeName";
                cblSize.DataValueField = "SizeID";
                cblSize.DataBind();


            }
        }
    }

    protected void ddlSubCategory_SelectedIndexChanged(object sender, EventArgs e)
    {
        if(ddlSubCategory .SelectedIndex !=0)
        {
            ddlGender.Enabled = true;
        }
        else
        {
            ddlGender.Enabled = false ;
        }
    }
```

```
}
```

REPORT

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
using System.Data;
using System.Data.SqlClient;
using System.Configuration;
using System.Globalization;
using System.Threading;


public partial class Report : System.Web.UI.Page
{
   public static String CS =
ConfigurationManager.ConnectionStrings["framertrader"].ConnectionString;
   protected void Page_Load(object sender, EventArgs e)
   {


            bindGrid1();
            bindGrid2();



   }

   private void bindGrid1()
   {

      SqlConnection con = new SqlConnection(CS);
      string qr = "select t1.OrderID,t3.Name,t2.PName,t1.Quantity as QtySell,t4.Quantity
as StockOpening,t4.Quantity-t1.Quantity as Available from tblOrderProducts as t1 inner
join tblProducts as t2 on t2.PID=t1.PID inner join tblUsers as t3 on t3.Uid=t1.UserID
inner join tblProductSizeQuantity as t4 on t4.PID=t1.PID";
      SqlCommand cmd = new SqlCommand(qr, con);
      SqlDataAdapter da = new SqlDataAdapter(cmd);
      DataTable dt = new DataTable();
      da.Fill(dt);
      con.Close();
      GridView1.DataSource = dt;
      GridView1.DataBind();
   }
```

```
    private void bindGrid2()
    {

        SqlConnection con = new SqlConnection(CS);
        string qr = "select distinct t2.PName,t1.Quantity from tblProductSizeQuantity as t1
inner join tblProducts as t2 on t2.PID=t1.PID";
        SqlCommand cmd = new SqlCommand(qr, con);
        SqlDataAdapter da = new SqlDataAdapter(cmd);
        DataTable dt = new DataTable();
        da.Fill(dt);
        con.Close();
        GridView2.DataSource = dt;
        GridView2.DataBind();
    }
}
```

FARMERS PROCESS

FARMERS SIGNUP

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
using System.Data.SqlClient;
using System.Configuration;


public partial class Framer_FarmerSignup : System.Web.UI.Page
{
    protected void Page_Load(object sender, EventArgs e)
    {

    }
    protected void btn_signup_Click(object sender, EventArgs e)
    {
        if (isformvalid())
        {
            using (SqlConnection con = new
SqlConnection(ConfigurationManager.ConnectionStrings["framertrader"].ConnectionStri
ng))
            {
                con.Open();
                SqlCommand cmd = new SqlCommand("Insert into
tblfarmersignup(fullname,username,email,aadhar,phone,Address,password) values ('" +
txtname.Text + "','" + txtuser.Text + "','" + txtemail.Text + "','" + txtaadhar.Text + "','" +
txtphone.Text + "','" + txtaddress.Text + "', '" + txtpass.Text + "')", con);
```

```
                cmd.ExecuteNonQuery();
                Response.Write("<script> alert('registration successfully done'); </script>");
                clr();
                con.Close();
                lbl_warning.Text = "registration successfully done";
                lbl_warning.ForeColor = System.Drawing.Color.Green;

            }
        }
        else
        {
            Response.Write("<script> alert ('registration failed'); </script>");
            lbl_warning.Text = "registration successfully done";
            lbl_warning.ForeColor = System.Drawing.Color.Red;
        }
    }

    private bool isformvalid()
    {
        if (txtuser.Text == "")
        {
            Response.Write("<script> alert ('user name not vaild'); </script> ");
            return false;
        }
        else if (txtemail.Text == "")
        {
            Response.Write("<script> alert ('user email not vaild'); </script> ");
            return false;
        }
        else if (txtpass.Text == "")
        {
            Response.Write("<script> alert ('user pasword not vaild'); </script> ");
            return false;
        }
        else if (txtpass.Text != txtconpass.Text)
        {
            Response.Write("<script> alert ('user confirm password not vaild'); </script> ");
            return false;
        }
        return true;
    }
    private void clr()
    {
        txtuser.Text = string.Empty;
        txtemail.Text = string.Empty;
        txtpass.Text = string.Empty;
        txtconpass.Text = string.Empty;
    }

}
```

DELIVERY OPTION

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
using System.Data;
using System.Data.SqlClient;
using System.Configuration;
using System.IO;

public partial class Delivery_option : System.Web.UI.Page
{
   protected void Page_Load(object sender, EventArgs e)
   {
      if (!IsPostBack)
      {
         BindBrand();
         BindMainCategory();
         BindGender();
         BindrptrSize();
      }
   }
   private void BindrptrSize()
   {
      using (SqlConnection con = new
SqlConnection(ConfigurationManager.ConnectionStrings["framertrader"].ConnectionStri
ng))
      {
         using (SqlCommand cmd = new SqlCommand("select A.*,B.*,C.*,D.*,E.* from
tbldelivery A with(nolock) inner join tblCategory B on B.CatID =a.CategoryID inner
join tbldistrict C on C.DisID =A.DistrictID inner join tblSubCategory D on D.SubCatID
=A.SubCategoryID inner join tblother E on E.OtherID =A.OtherID ", con))
         {
            using (SqlDataAdapter sda = new SqlDataAdapter(cmd))
            {
               DataTable dt = new DataTable();
               sda.Fill(dt);
               rptrSize.DataSource = dt;
               rptrSize.DataBind();
            }
         }
      }
   }

   private void BindMainCategory()
   {
```

```
        using (SqlConnection con = new
SqlConnection(ConfigurationManager.ConnectionStrings["framertrader"].ConnectionStri
ng))
        {
            con.Open();
            SqlCommand cmd = new SqlCommand("Select * from tblCategory", con);
            SqlDataAdapter sda = new SqlDataAdapter(cmd);
            DataTable dt = new DataTable();
            sda.Fill(dt);
            if (dt.Rows.Count != 0)
            {
                ddlcategory.DataSource = dt;
                ddlcategory.DataTextField = "CatName";
                ddlcategory.DataValueField = "CatID";
                ddlcategory.DataBind();
                ddlcategory.Items.Insert(0, new ListItem("-Select-", "0"));

            }
        }
    }

    private void BindBrand()
    {
        using (SqlConnection con = new
SqlConnection(ConfigurationManager.ConnectionStrings["framertrader"].ConnectionStri
ng))
        {
            con.Open();
            SqlCommand cmd = new SqlCommand("Select * from tbldistrict", con);
            SqlDataAdapter sda = new SqlDataAdapter(cmd);
            DataTable dt = new DataTable();
            sda.Fill(dt);
            if (dt.Rows.Count != 0)
            {
                ddldistrict.DataSource = dt;
                ddldistrict.DataTextField = "DisName";
                ddldistrict.DataValueField = "DisID";
                ddldistrict.DataBind();
                ddldistrict.Items.Insert(0, new ListItem("-Select-", "0"));

            }
        }
    }

    private void BindGender()
    {
        using (SqlConnection con = new
SqlConnection(ConfigurationManager.ConnectionStrings["framertrader"].ConnectionStri
ng))
        {
```

```
            con.Open();
            SqlCommand cmd = new SqlCommand("Select * from tblother with(nolock)",
con);
            SqlDataAdapter sda = new SqlDataAdapter(cmd);
            DataTable dt = new DataTable();
            sda.Fill(dt);
            if (dt.Rows.Count != 0)
            {
                ddlother.DataSource = dt;
                ddlother.DataTextField = "OtherName";
                ddlother.DataValueField = "OtherID";
                ddlother.DataBind();
                ddlother.Items.Insert(0, new ListItem("-Select-", "0"));

            }
        }
    }




    protected void ddlcategory_SelectedIndexChanged(object sender, EventArgs e)
    {
        int MainCategoryID = Convert.ToInt32(ddlcategory.SelectedItem.Value);

        using (SqlConnection con = new
SqlConnection(ConfigurationManager.ConnectionStrings["framertrader"].ConnectionStri
ng))
        {
            con.Open();
            SqlCommand cmd = new SqlCommand("Select * from tblSubCategory where
MainCatID='" + ddlcategory.SelectedItem.Value + "'", con);
            SqlDataAdapter sda = new SqlDataAdapter(cmd);
            DataTable dt = new DataTable();
            sda.Fill(dt);
            if (dt.Rows.Count != 0)
            {
                ddlsubcat.DataSource = dt;
                ddlsubcat.DataTextField = "SubCatName";
                ddlsubcat.DataValueField = "SubCatID";
                ddlsubcat.DataBind();
                ddlsubcat.Items.Insert(0, new ListItem("-Select-", "0"));

            }
        }
    }
```

```
    protected void btnadd_Click(object sender, EventArgs e)
    {
        {

            using (SqlConnection con = new
SqlConnection(ConfigurationManager.ConnectionStrings["framertrader"].ConnectionStri
ng))
            {
                con.Open();
                SqlCommand cmd = new SqlCommand("Insert into
tbldelivery(DeliveryName,DistrictID,CategoryID,SubCategoryID,OtherID) Values('" +
txt_delivery.Text + "','" + ddldistrict.SelectedItem.Value + "','" +
ddlcategory.SelectedItem.Value + "','" + ddlsubcat.SelectedItem.Value + "','" +
ddlother.SelectedItem.Value + "')", con);
                cmd.ExecuteNonQuery();

                Response.Write("<script> alert('Size Added Successfully '); </script>");
                txt_delivery.Text = string.Empty;

                con.Close();
                ddldistrict.ClearSelection();
                ddldistrict.Items.FindByValue("0").Selected = true;

                ddlcategory.ClearSelection();
                ddlcategory.Items.FindByValue("0").Selected = true;


                ddlsubcat.ClearSelection();
                ddlsubcat.Items.FindByValue("0").Selected = true;

                ddlother.ClearSelection();
                ddlother.Items.FindByValue("0").Selected = true;

            }
            BindrptrSize();
        }
    }
}
```

CUSTOMER PROCESS

PRODUCT

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

```
using System.Data.SqlClient;
using System.Configuration;
using System.Globalization;
using System.Threading;



public partial class Products : System.Web.UI.Page
{
   public static String CS =
ConfigurationManager.ConnectionStrings["framertrader"].ConnectionString;
   protected void Page_Load(object sender, EventArgs e)
   {
      if (Session["Username"] != null)
      {
         if (!IsPostBack)
         {
            if (Request.QueryString["BuyNow"] == "YES")
            {

            }
            BindProductRepeater();
            BindCartNumber();

         }
      }
      else
      {
         if (Request.QueryString["BuyNow"] == "YES")
         {
            Response.Redirect("login.aspx");
         }
         else
         {
            Response.Redirect("~/Default.aspx");
         }
      }

   }

   protected override void InitializeCulture()
   {
      CultureInfo ci = new CultureInfo("en-IN");
      ci.NumberFormat.CurrencySymbol = "₹";
      Thread.CurrentThread.CurrentCulture = ci;

      base.InitializeCulture();
   }

   private void BindProductRepeater()
```

```
{
    using (SqlConnection con = new SqlConnection(CS))
    {
        using (SqlCommand cmd = new SqlCommand("procBindAllProducts", con))
        {
            cmd.CommandType = CommandType.StoredProcedure;
            using (SqlDataAdapter sda = new SqlDataAdapter(cmd))
            {
                DataTable dt = new DataTable();
                sda.Fill(dt);
                rptrProducts.DataSource = dt;
                rptrProducts.DataBind();
                if (dt.Rows.Count <= 0)
                {
                    Label1.Text = "Sorry! Currently no products in this category.";
                }
                else
                {
                    Label1.Text = "Showing All Products";
                }
            }
        }
    }
}

protected void btnCart2_ServerClick(object sender, EventArgs e)
{
    Response.Redirect("~/Cart.aspx");
}

public void BindCartNumber()
{
    if (Session["USERID"] != null)
    {
        string UserIDD = Session["USERID"].ToString();
        DataTable dt = new DataTable();
        using (SqlConnection con = new SqlConnection(CS))
        {
            SqlCommand cmd = new SqlCommand("SP_BindCartNumberz", con)
            {
                CommandType = CommandType.StoredProcedure
            };
            cmd.Parameters.AddWithValue("@UserID", UserIDD);
            using (SqlDataAdapter sda = new SqlDataAdapter(cmd))
            {
                sda.Fill(dt);
                if (dt.Rows.Count > 0)
                {
                    string CartQuantity = dt.Compute("Sum(Qty)", "").ToString();
                    CartBadge.InnerText = CartQuantity;
```

```
                }
                else
                {
                    // _ = CartBadge.InnerText == 0.ToString();
                    CartBadge.InnerText = "0";
                }
            }
        }
    }

    protected void txtFilterGrid1Record_TextChanged(object sender, EventArgs e)
    {
        if (txtFilterGrid1Record.Text != string.Empty)
        {
            SqlConnection con = new SqlConnection(CS);
            con.Open();
            string qr = "select A.*,B.*,C.DisName ,A.PPrice-A.PselPrice as
DiscAmount,B.Name as ImageName, C.DisName as BrandName from tblProducts A
inner join tbldistrict C on C.DisID =A.PDistrict cross apply (select top 1 * from
tblProductImages B where B.PID= A.PID order by B.PID desc)B where  A.PName like '"
+ txtFilterGrid1Record.Text + "%' order by A.PID desc";

            SqlDataAdapter da = new SqlDataAdapter(qr, con);
            string text = ((TextBox)sender).Text;
            DataSet ds = new DataSet();
            da.Fill(ds);
            if (ds.Tables[0].Rows.Count > 0)
            {
                rptrProducts.DataSource = ds.Tables[0];
                rptrProducts.DataBind();
            }
            else
            {

            }
        }
        else
        {
            BindProductRepeater();
        }

    }

}
```

PAYMENT

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
using System.Data;
using System.Configuration;
using System.Data.SqlClient;


public partial class Payment : System.Web.UI.Page
{
   public static String CS =
ConfigurationManager.ConnectionStrings["framertrader"].ConnectionString;
   public static Int32 OrderNumber = 1;
   protected void Page_Load(object sender, EventArgs e)
   {
      if (Session["USERNAME"] != null)
      {
         if (!IsPostBack)
         {
            BindPriceData2();
            genAutoNum();
            BindCartNumber();
            BindOrderProducts();
         }
      }
      else
      {
         Response.Redirect("login.aspx");
      }
   }

   public void BindPriceData()
   {
      if (Request.Cookies["CartPID"] != null)
      {
         string CookieData = Request.Cookies["CartPID"].Value.Split('=')[1];
         string[] CookieDataArray = CookieData.Split(',');
         if (CookieDataArray.Length > 0)
         {
            DataTable dtBrands = new DataTable();
            Int64 CartTotal = 0;
            Int64 Total = 0;
            for (int i = 0; i < CookieDataArray.Length; i++)
            {
               string PID = CookieDataArray[i].ToString().Split('-')[0];
```

```
                string SizeID = CookieDataArray[i].ToString().Split('-')[1];

                if (hdPidSizeID.Value != null && hdPidSizeID.Value != "")
                {
                   hdPidSizeID.Value += "," + PID + "-" + SizeID;
                }
                else
                {
                   hdPidSizeID.Value = PID + "-" + SizeID;
                }


                using (SqlConnection con = new SqlConnection(CS))
                {
                   using (SqlCommand cmd = new SqlCommand("select
A.*,dbo.getSizeName(" + SizeID + ") as SizeNamee,"
                      + SizeID + " as SizeIDD,SizeData.Name,SizeData.Extention from
tblProducts A cross apply( select top 1 B.Name,Extention from tblProductImages B
where B.PID=A.PID ) SizeData where A.PID="
                      + PID + "", con))
                   {
                      cmd.CommandType = CommandType.Text;
                      using (SqlDataAdapter sda = new SqlDataAdapter(cmd))
                      {
                         sda.Fill(dtBrands);
                      }

                   }
                }
                CartTotal += Convert.ToInt64(dtBrands.Rows[i]["PPrice"]);
                Total += Convert.ToInt64(dtBrands.Rows[i]["PSelPrice"]);
             }
             divPriceDetails.Visible = true;

             spanCartTotal.InnerText = CartTotal.ToString();
             spanTotal.InnerText = "Rs. " + Total.ToString();
             spanDiscount.InnerText = "- " + (CartTotal - Total).ToString();

             hdCartAmount.Value = CartTotal.ToString();
             hdCartDiscount.Value = (CartTotal - Total).ToString();
             hdTotalPayed.Value = Total.ToString();
          }
          else
          {
             //TODO Show Empty Cart
             Response.Redirect("~/Products.aspx");
          }
       }
       else
       {
```

```
            //TODO Show Empty Cart
            Response.Redirect("~/Products.aspx");
        }
    }

    private void BindPriceData2()
    {
        string UserIDD = Session["USERID"].ToString();
        DataTable dt = new DataTable();
        using (SqlConnection con = new SqlConnection(CS))
        {
            SqlCommand cmd = new SqlCommand("SP_BindPriceData", con)
            {
                CommandType = CommandType.StoredProcedure
            };
            cmd.Parameters.AddWithValue("UserID", UserIDD);
            using (SqlDataAdapter sda = new SqlDataAdapter(cmd))
            {
                sda.Fill(dt);
                if (dt.Rows.Count > 0)
                {
                    string Total = dt.Compute("Sum(SubSAmount)", "").ToString();
                    string CartTotal = dt.Compute("Sum(SubPAmount)", "").ToString();
                    string CartQuantity = dt.Compute("Sum(Qty)", "").ToString();
                    int Total1 = Convert.ToInt32(dt.Compute("Sum(SubSAmount)", ""));
                    int CartTotal1 = Convert.ToInt32(dt.Compute("Sum(SubPAmount)", ""));
                    spanTotal.InnerText = "Rs. " + string.Format("{0:#,###.##}",
double.Parse(Total)) + ".00";
                    Session["myCartAmount"] = string.Format("{0:####}",
double.Parse(Total));
                    spanCartTotal.InnerText = "Rs. " + string.Format("{0:#,###.##}",
double.Parse(CartTotal)) + ".00";
                    spanDiscount.InnerText = "- Rs. " + (CartTotal1 - Total1).ToString();
                    Session["TotalAmount"] = spanTotal.InnerText;
                    hdCartAmount.Value = CartTotal.ToString();
                    hdCartDiscount.Value = (CartTotal1 - Total1).ToString() + ".00";
                    hdTotalPayed.Value = Total.ToString();
                }
                else
                {
                    Response.Redirect("Products.aspx");
                }
            }
        }
    }

    protected void btnPaytm_Click(object sender, EventArgs e)
    {
        if (Session["USERNAME"] != null)
        {
```

```
            string USERID = Session["USERID"].ToString();
            string PaymentType = "Paytm";
            string PaymentStatus = "NotPaid";
            string EMAILID = Session["USEREMAIL"].ToString();
            using (SqlConnection con = new SqlConnection(CS))
            {
                SqlCommand cmd = new SqlCommand("insert into tblPurchase values('" +
USERID + "','"
                    + hdPidSizeID.Value + "','" + hdCartAmount.Value + "','" +
hdCartDiscount.Value + "','"
                    + hdTotalPayed.Value + "','" + PaymentType + "','" + PaymentStatus +
"',getdate(),'"
                    + txtName.Text + "','" + txtAddress.Text + "','" + txtPinCode.Text + "','" +
txtMobileNumber.Text + "') select SCOPE_IDENTITY()", con);
                if (con.State == ConnectionState.Closed)
                {
                    con.Open();
                }
                Int64 PurchaseID = Convert.ToInt64(cmd.ExecuteScalar());
            }
        }
        else
        {
            Response.Redirect("login.aspx");
        }
    }


    public void BindCartNumber()
    {
        if (Session["USERID"] != null)
        {
            string UserIDD = Session["USERID"].ToString();
            DataTable dt = new DataTable();
            using (SqlConnection con = new SqlConnection(CS))
            {
                SqlCommand cmd = new SqlCommand("SP_BindCartNumberz", con)
                {
                    CommandType = CommandType.StoredProcedure
                };
                cmd.Parameters.AddWithValue("@UserID", UserIDD);
                using (SqlDataAdapter sda = new SqlDataAdapter(cmd))
                {
                    sda.Fill(dt);
                    if (dt.Rows.Count > 0)
                    {
                        string CartQuantity = dt.Compute("Sum(Qty)", "").ToString();
                        CartBadge.InnerText = CartQuantity;
                    }
                    else
```

```
            {
                //_ = CartBadge.InnerText == 0.ToString();
            }
        }
    }
}

private void genAutoNum()
{
    Random r = new Random();
    int num = r.Next(Convert.ToInt32("231965"),
   Convert.ToInt32("987654"));
    string ChkOrderNum = num.ToString();
    using (SqlConnection con = new SqlConnection(CS))
    {
        SqlCommand cmd = new SqlCommand("SP_FindOrderNumber", con)
        {
            CommandType = CommandType.StoredProcedure
        };
        cmd.Parameters.AddWithValue("@FindOrderNumber", ChkOrderNum);
        if (con.State == ConnectionState.Closed) { con.Open(); }
        using (SqlDataAdapter sda = new SqlDataAdapter(cmd))
        {
            DataTable dt = new DataTable();
            sda.Fill(dt);
            con.Close();
            if (dt.Rows.Count > 0)
            {
                genAutoNum();
            }
            else
            {
                OrderNumber = Convert.ToInt32(num.ToString());
            }
        }
    }
}

private void BindOrderProducts()
{
    string UserIDD = Session["USERID"].ToString();
    DataTable dt = new DataTable();
    using (SqlConnection con0 = new SqlConnection(CS))
    {
        SqlCommand cmd0 = new SqlCommand("SP_BindCartProducts", con0)
        {
            CommandType = CommandType.StoredProcedure
        };
        cmd0.Parameters.AddWithValue("@UID", UserIDD);
```

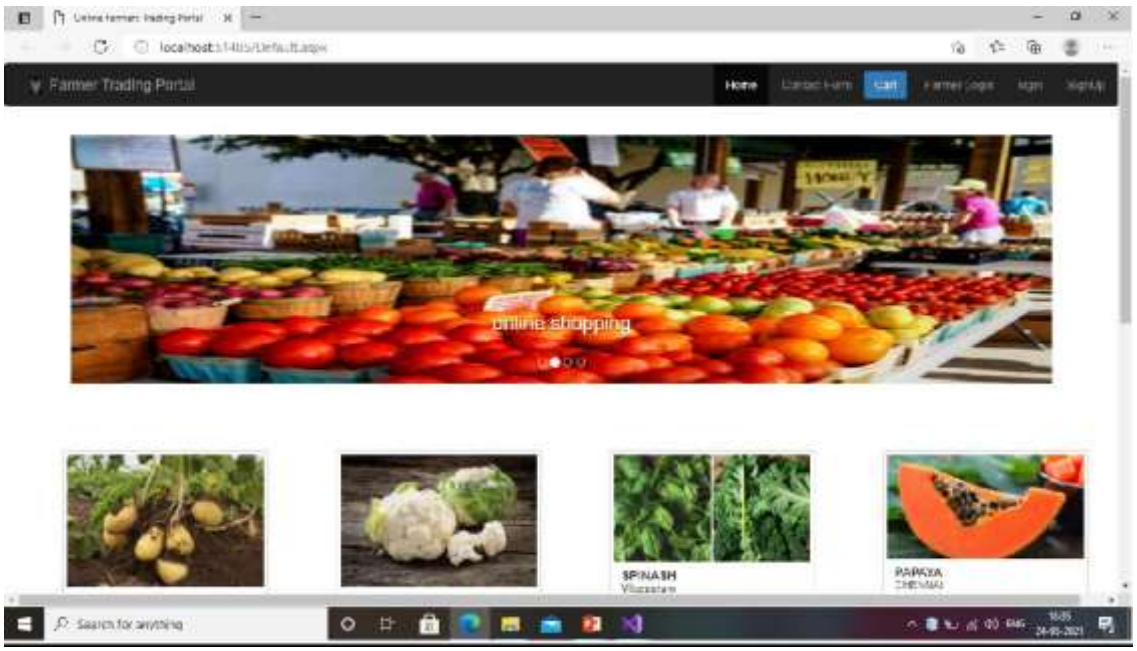
```
            using (SqlDataAdapter sda0 = new SqlDataAdapter(cmd0))
            {
                sda0.Fill(dt);
                if (dt.Rows.Count > 0)
                {
                    foreach (DataColumn PID in dt.Columns)
                    {
                        using (SqlConnection con = new SqlConnection(CS))
                        {
                            using (SqlCommand cmd = new SqlCommand("SELECT * FROM
tblCart C WHERE C.PID=" + PID + " AND UID ='" + UserIDD + "'", con))
                            {
                                cmd.CommandType = CommandType.Text;
                                using (SqlDataAdapter sda = new SqlDataAdapter(cmd))
                                {
                                    DataTable dtProducts = new DataTable();
                                    sda.Fill(dtProducts);
                                    gvProducts.DataSource = dtProducts;
                                    gvProducts.DataBind();
                                }
                            }
                        }
                    }
                }
            }
        }

        protected void btnCart2_ServerClick(object sender, EventArgs e)
        {
            Response.Redirect("Cart.aspx");
        }

        protected void BtnPlaceNPay_Click(object sender, EventArgs e)
        {
            if (Session["Username"] != null)
            {
                Session["Address"] = txtAddress.Text;
                Session["Mobile"] = txtMobileNumber.Text;
                Session["OrderNumber"] = OrderNumber.ToString();
                Session["PayMethod"] = "Place n Pay";

                string USERID = Session["USERID"].ToString();
                string PaymentType = "PnP";
                string PaymentStatus = "NotPaid";
                string EMAILID = Session["USEREMAIL"].ToString();
                string OrderStatus = "Pending";
                string FullName = Session["getFullName"].ToString();
                using (SqlConnection con = new SqlConnection(CS))
                {
```

```
            SqlCommand cmd = new SqlCommand("SP_InsertOrder", con);
            cmd.CommandType = CommandType.StoredProcedure;
            cmd.Parameters.AddWithValue("@UserID", USERID);
            cmd.Parameters.AddWithValue("@Email", EMAILID);
            cmd.Parameters.AddWithValue("@CartAmount", hdCartAmount.Value);
            cmd.Parameters.AddWithValue("@CartDiscount", hdCartDiscount.Value);
            cmd.Parameters.AddWithValue("@TotalPaid", hdTotalPayed.Value);
            cmd.Parameters.AddWithValue("@PaymentType", PaymentType);
            cmd.Parameters.AddWithValue("@PaymentStatus", PaymentStatus);
            cmd.Parameters.AddWithValue("@DateOfPurchase", DateTime.Now);
            cmd.Parameters.AddWithValue("@Name", FullName);
            cmd.Parameters.AddWithValue("@Address", txtAddress.Text);
            cmd.Parameters.AddWithValue("@MobileNumber", txtMobileNumber.Text);
            cmd.Parameters.AddWithValue("@OrderStatus", OrderStatus);
            cmd.Parameters.AddWithValue("@OrderNumber", OrderNumber.ToString());
            if (con.State == ConnectionState.Closed) { con.Open(); }
            Int64 OrderID = Convert.ToInt64(cmd.ExecuteScalar());
            InsertOrderProducts();
        }
      }
      else
      {
        Response.Redirect("login.aspx?RtPP=yes");
      }
    }

    private void InsertOrderProducts()
    {
      string USERID = Session["USERID"].ToString();
      using (SqlConnection con = new SqlConnection(CS))
      {
        foreach (GridViewRow gvr in gvProducts.Rows)
        {
          SqlCommand myCmd = new SqlCommand("SP_InsertOrderProducts", con)
          {
            CommandType = CommandType.StoredProcedure
          };
          myCmd.Parameters.AddWithValue("@OrderID", OrderNumber.ToString());
          myCmd.Parameters.AddWithValue("@UserID", USERID);
          myCmd.Parameters.AddWithValue("@PID", gvr.Cells[0].Text);
          myCmd.Parameters.AddWithValue("@Products", gvr.Cells[1].Text);
          myCmd.Parameters.AddWithValue("@Quantity", gvr.Cells[2].Text);
          myCmd.Parameters.AddWithValue("@OrderDate",
DateTime.Now.ToString("yyyy-MM-dd"));
          myCmd.Parameters.AddWithValue("@Status", "Pending");
          if (con.State == ConnectionState.Closed) { con.Open(); }
          Int64 OrderProID = Convert.ToInt64(myCmd.ExecuteScalar());
          con.Close();
          EmptyCart();
          Response.Redirect("Success.aspx");
```

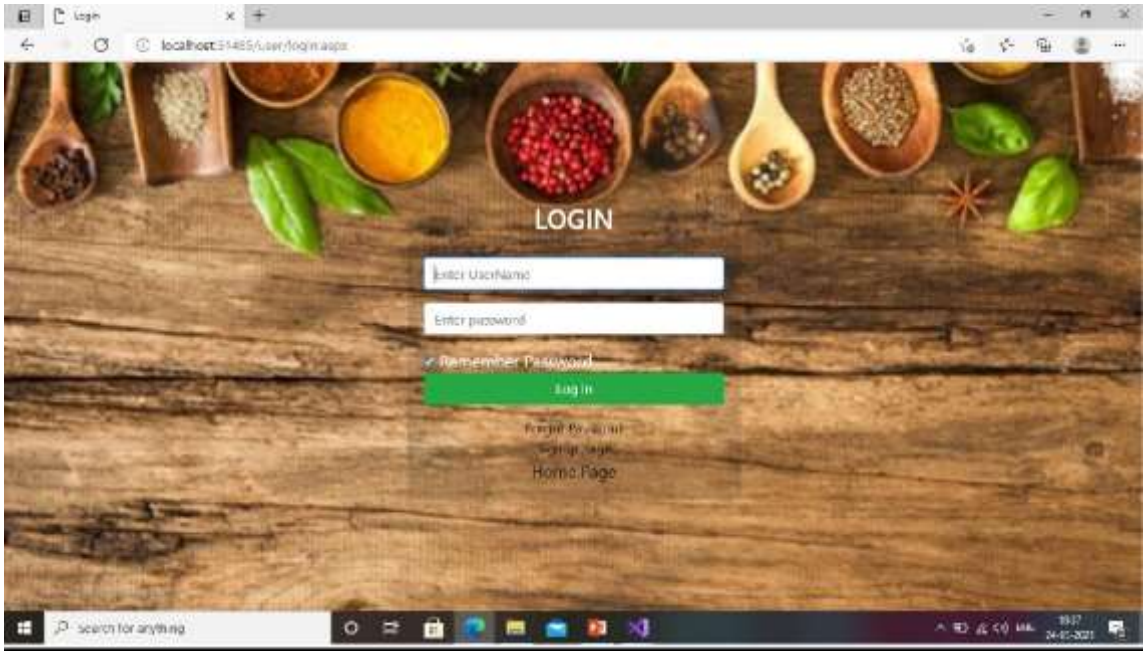
```
            }
        }
    }

    private void EmptyCart()
    {
        Int32 CartUIDD = Convert.ToInt32(Session["USERID"].ToString());
        using (SqlConnection con = new SqlConnection(CS))
        {
            SqlCommand cmdU = new SqlCommand("SP_EmptyCart", con)
            {
                CommandType = CommandType.StoredProcedure
            };
            cmdU.Parameters.AddWithValue("@UserID", CartUIDD);
            if (con.State == ConnectionState.Closed) { con.Open(); }
            cmdU.ExecuteNonQuery();
            con.Close();
        }
    }
}
```

14. SNAPCHATS

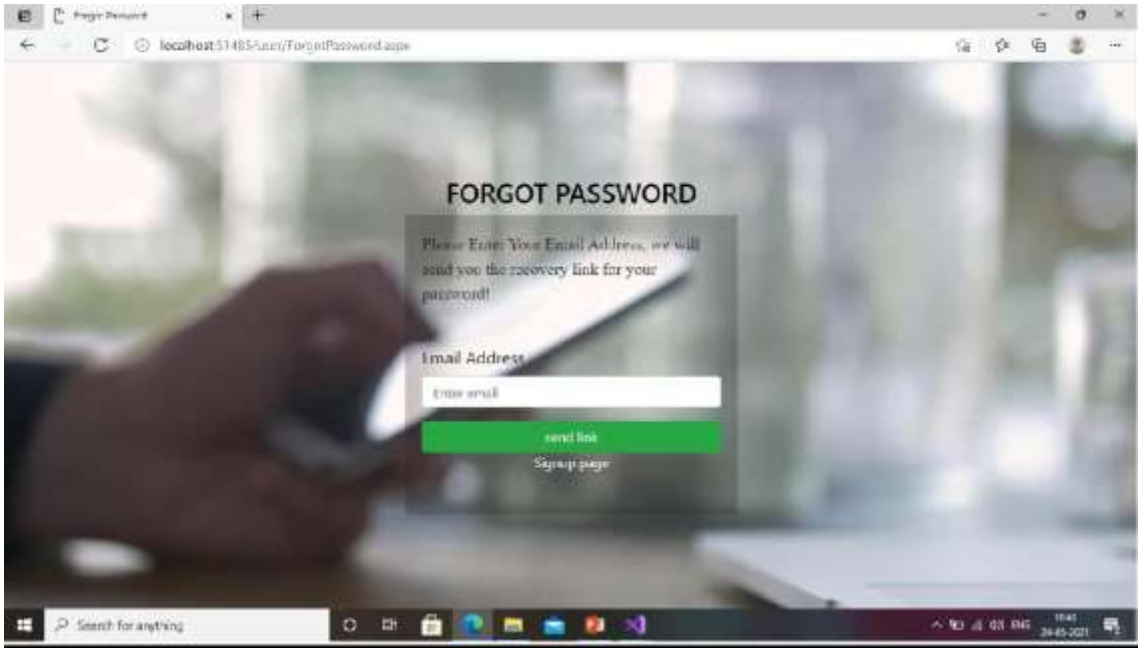
HOME PAGE



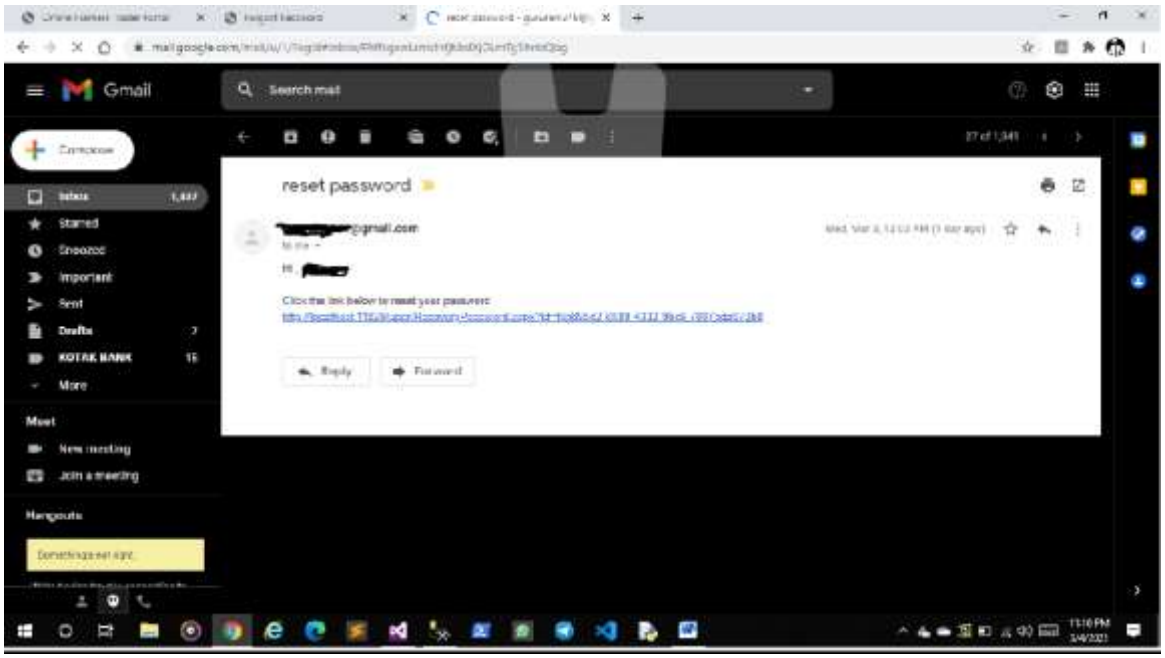
LOGIN



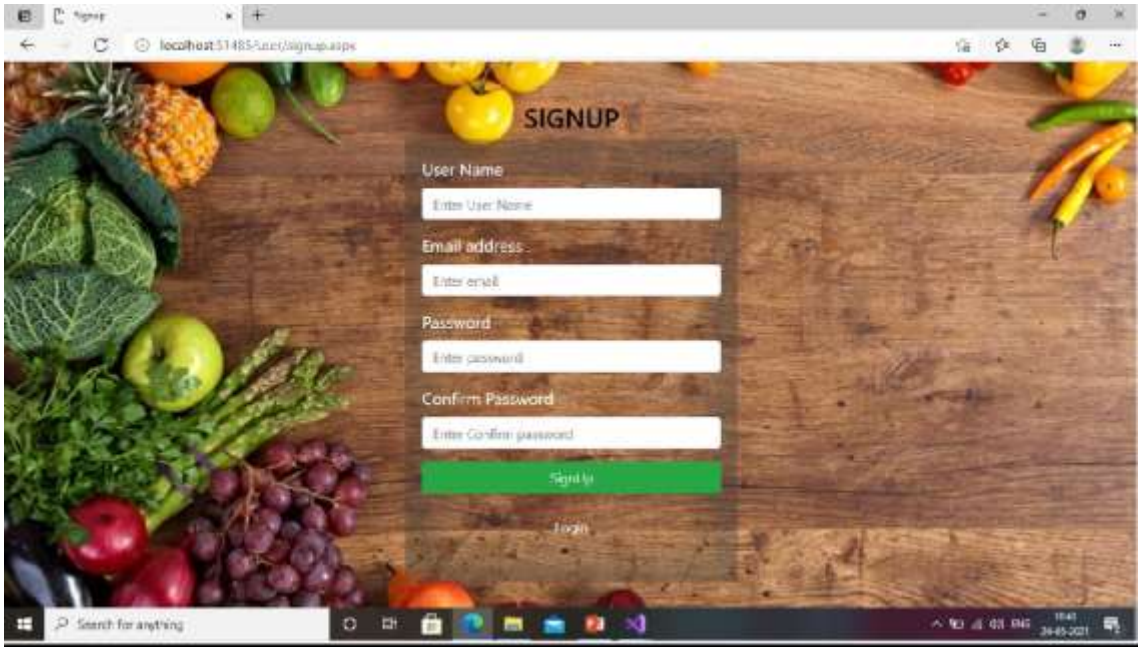
FORGOT PASSWORD



RECOVERY PASSWORD

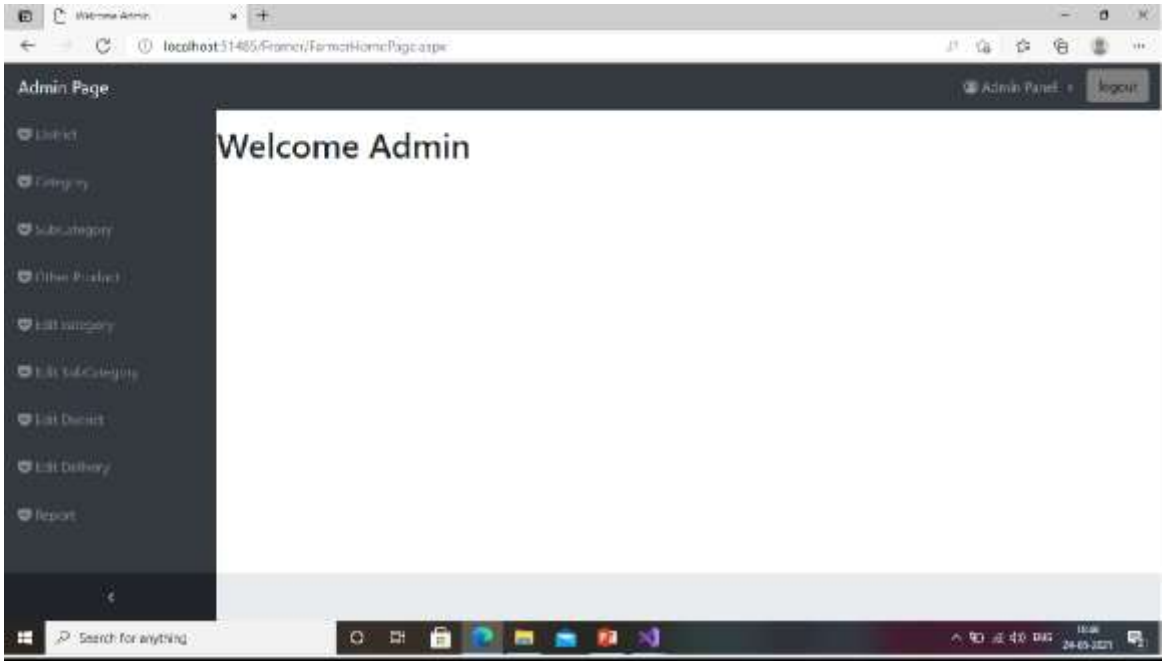


SIGN UP

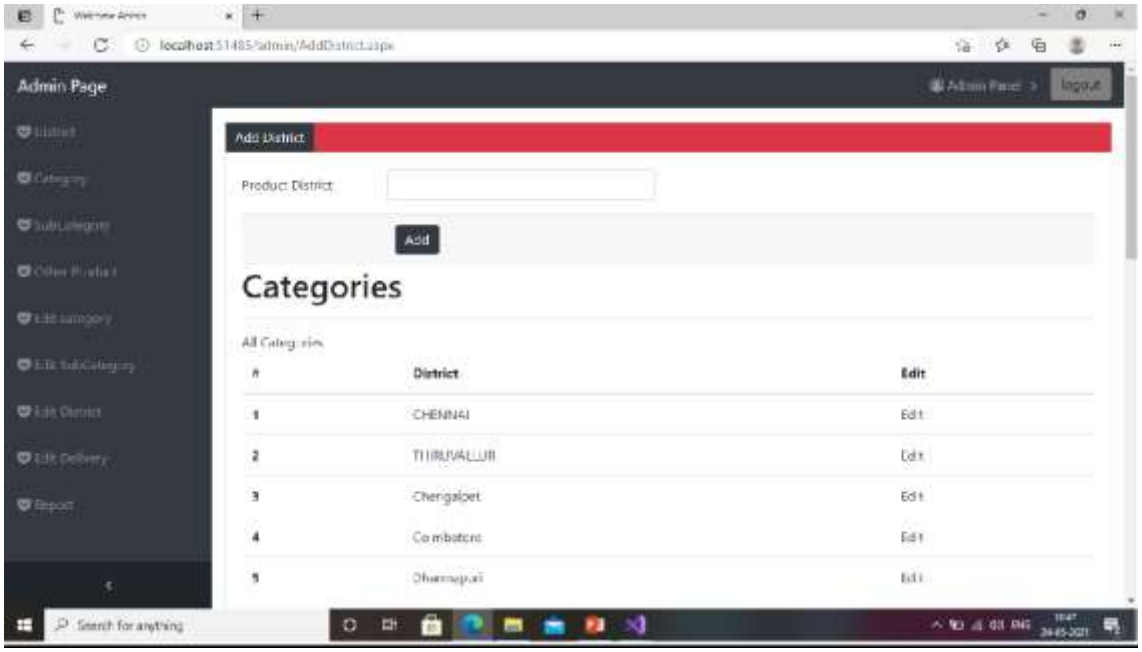


ADMIN PROCESS

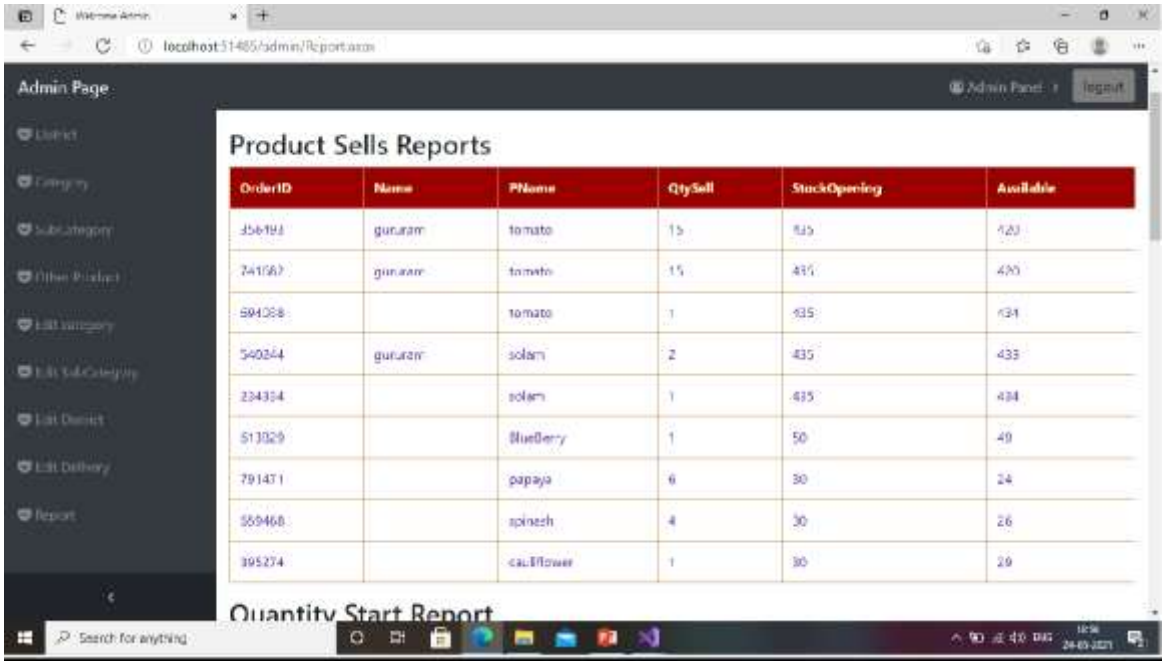
HOME PAGE



ADD DETAILS

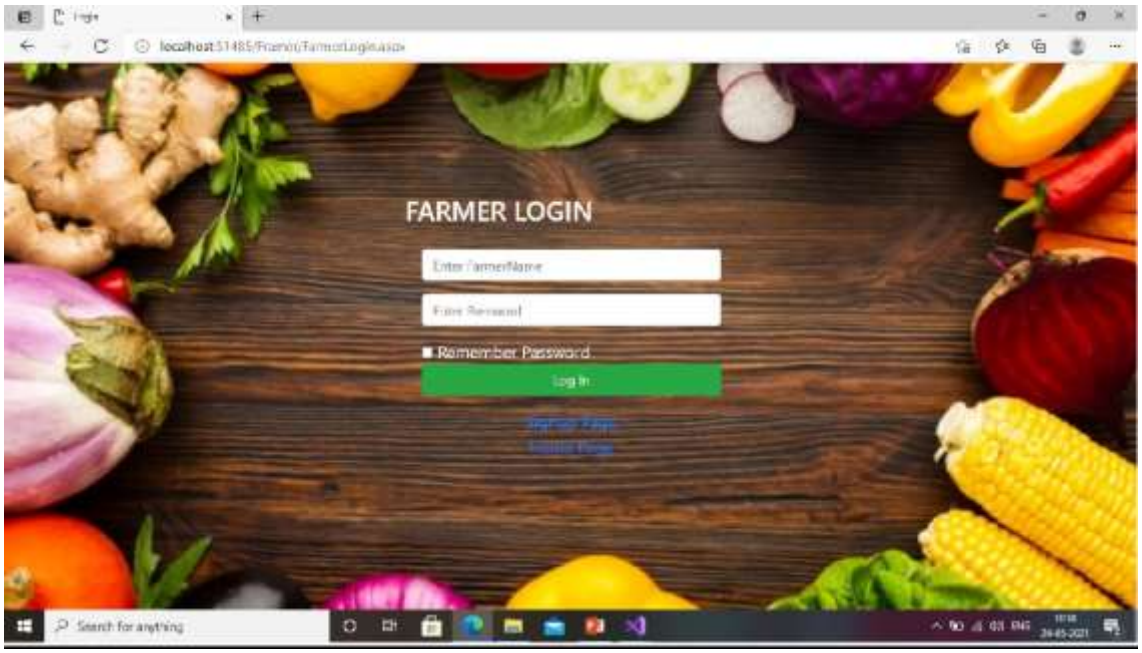


REPORT

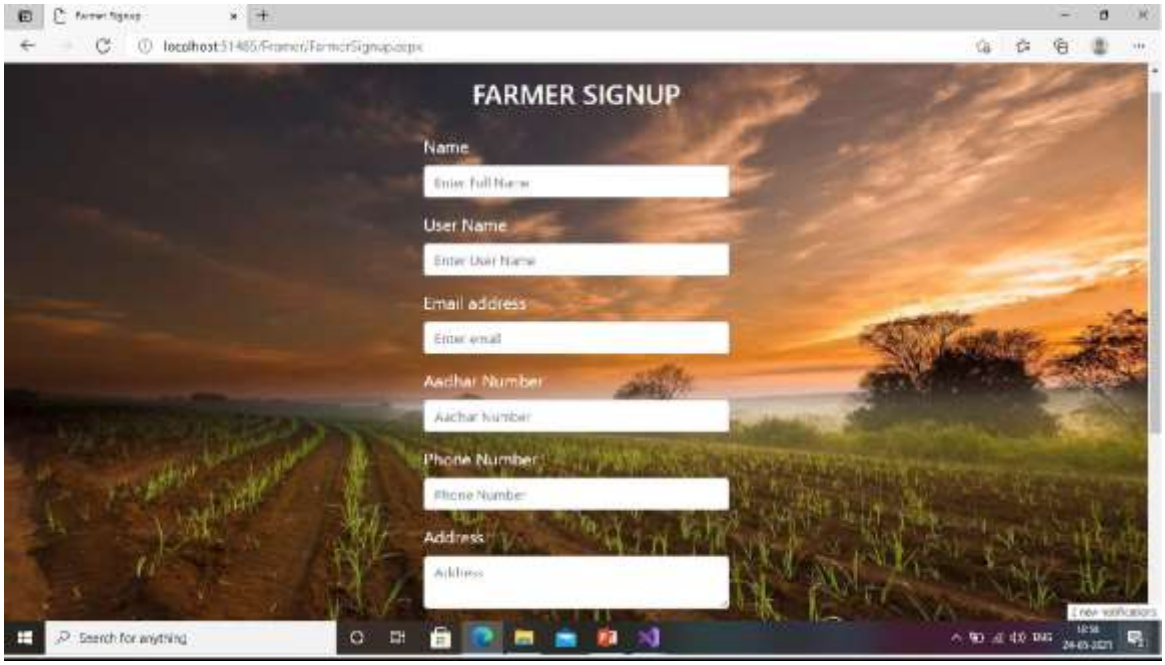


FARMERS PROCESS

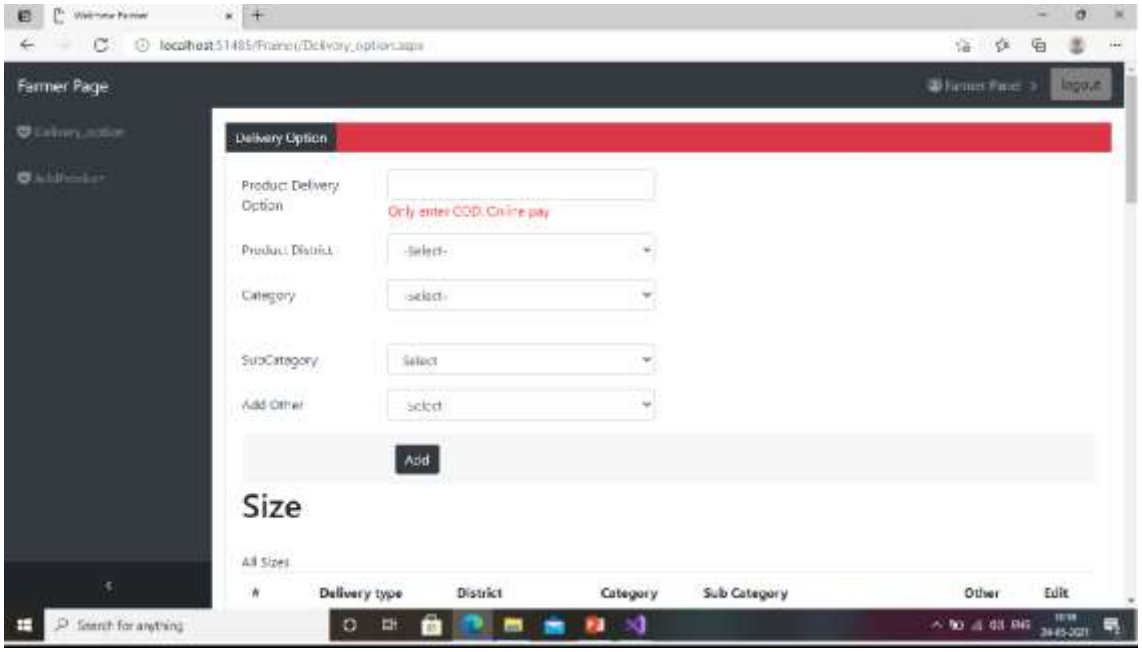
LOGIN



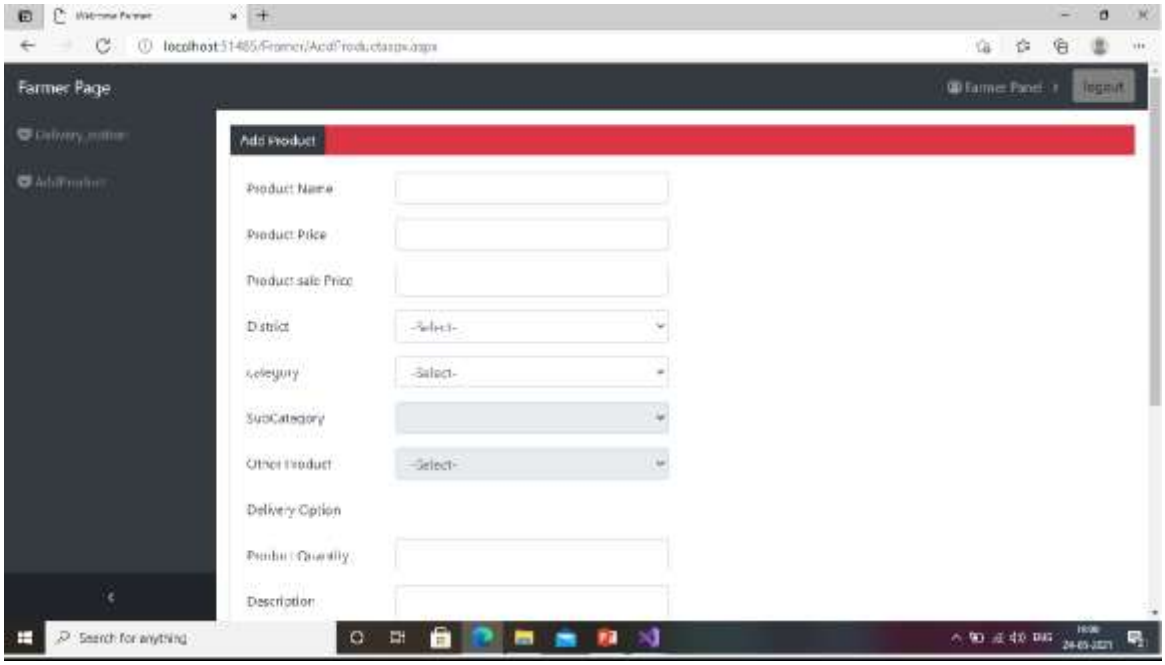
SIGNUP



DELIVERY OPTION

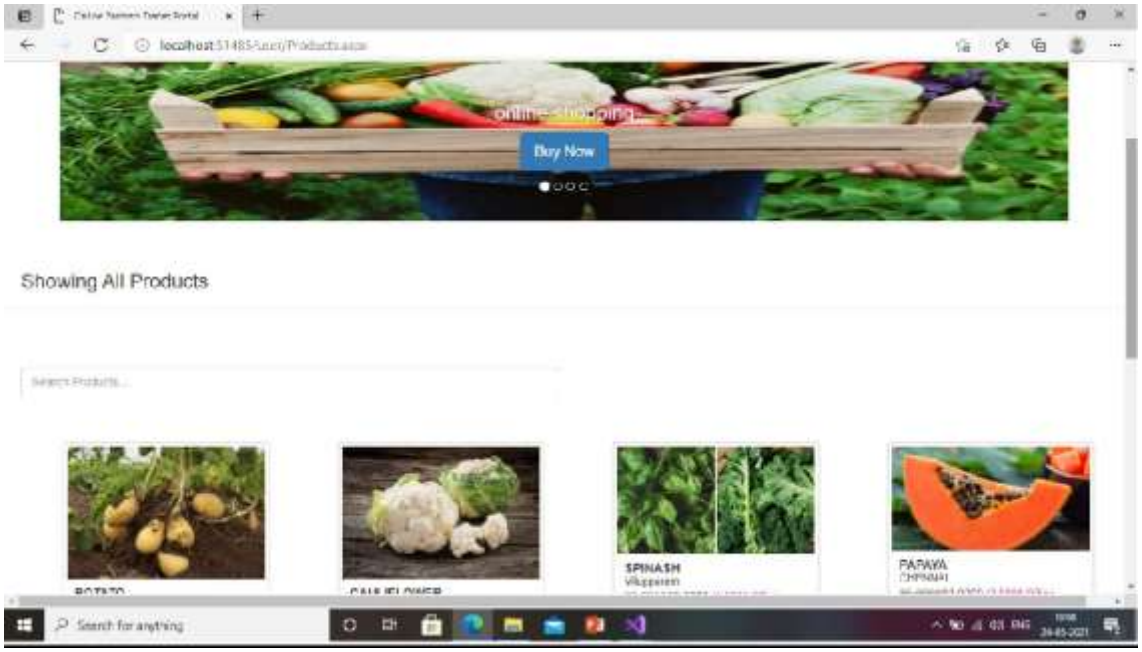


ADD PRODUCT DETAILS

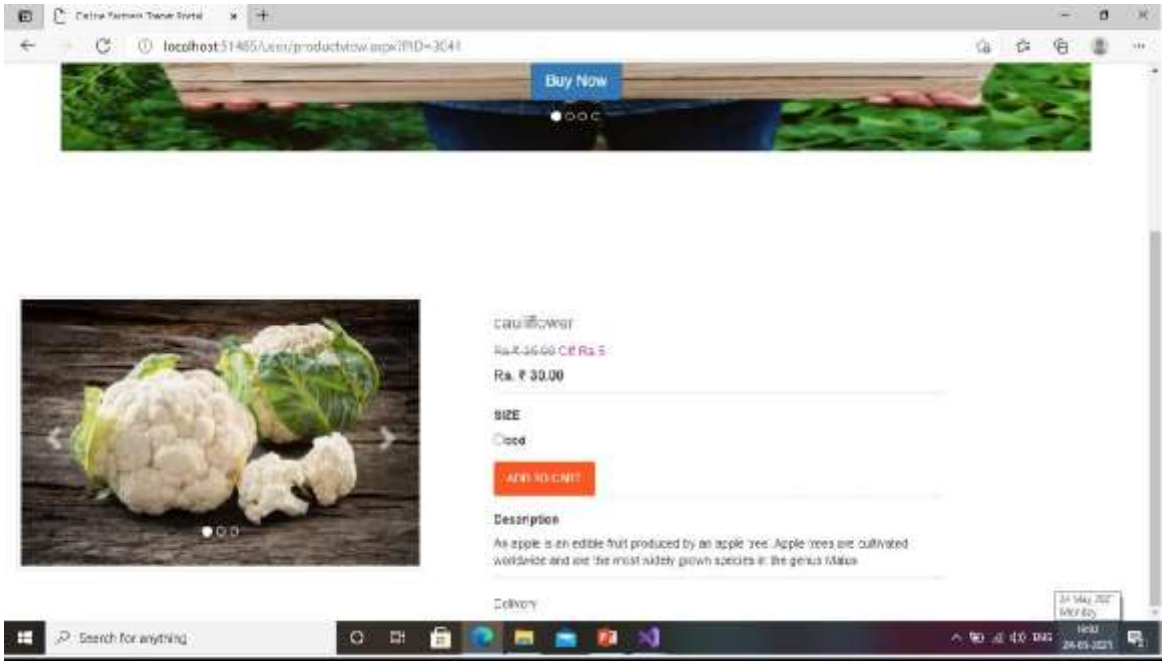


CUSTOMER PROCESS

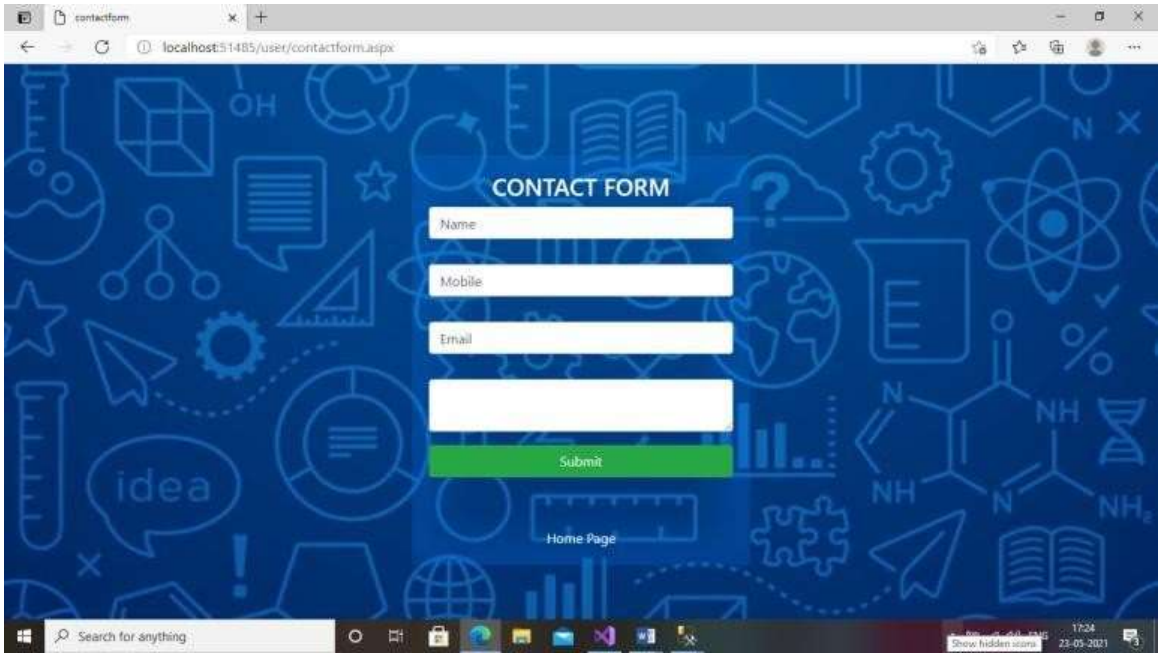
PRODUCTS



PRODUCT VIEW

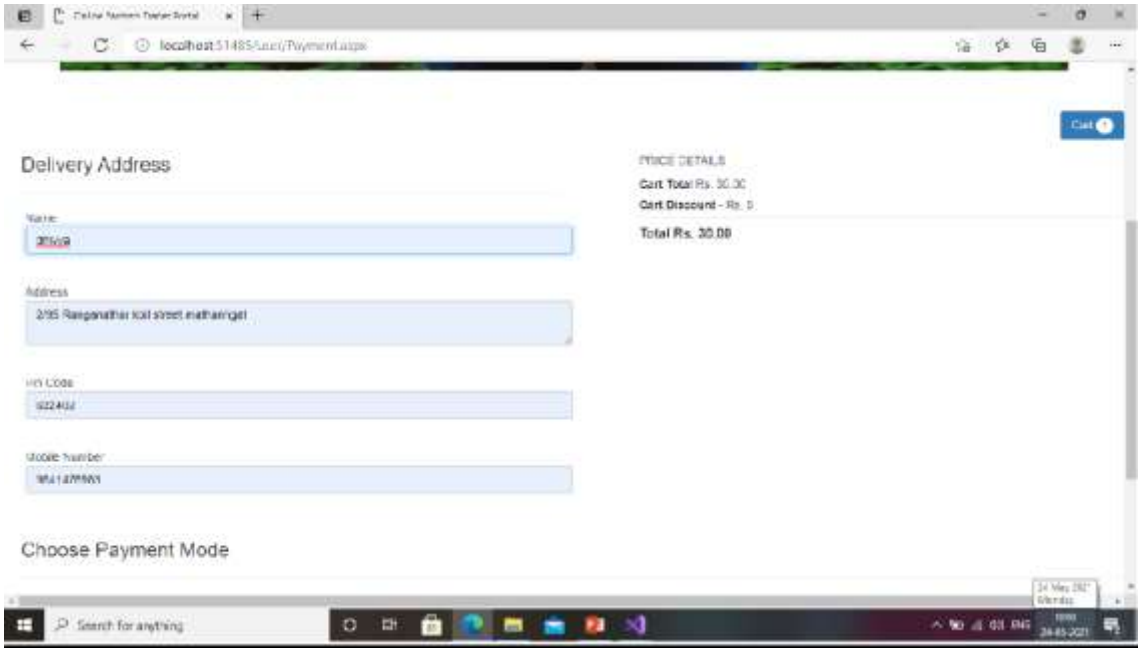


CONTACT FORM

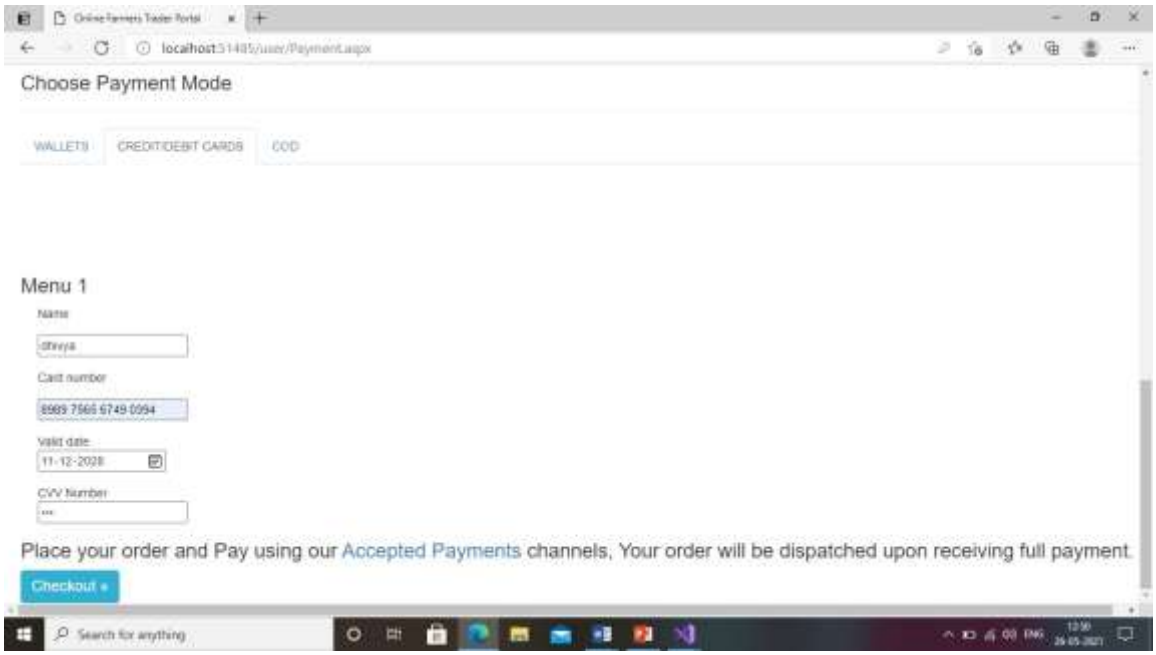


CART

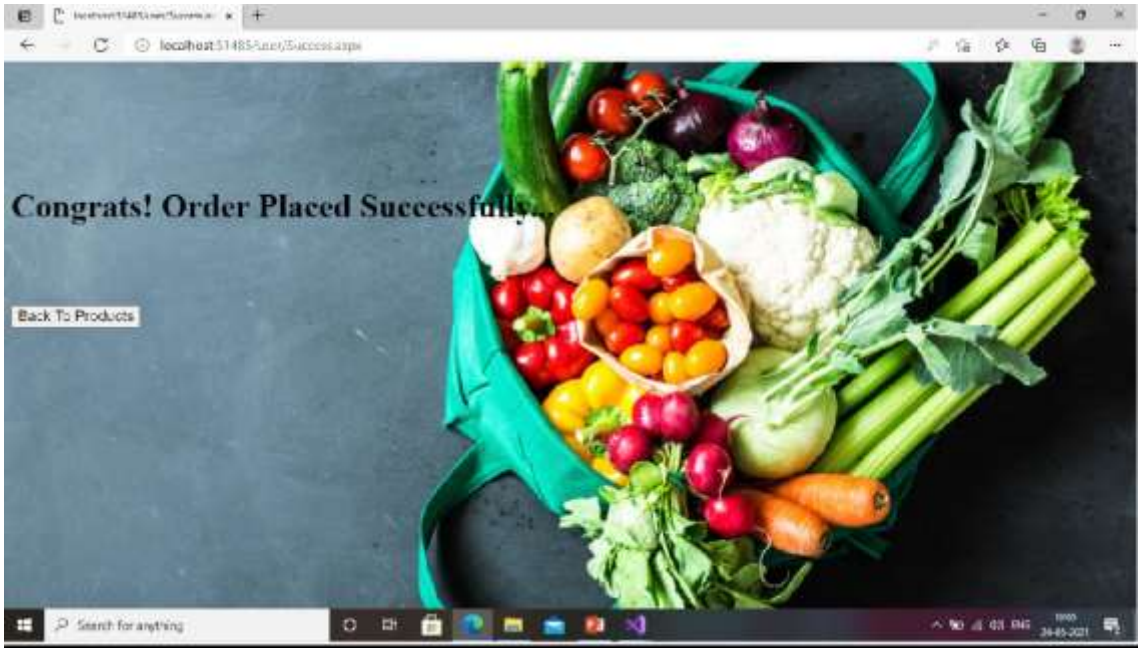
ORDERING PRODUCT



PAYMENT PROCESS



ORDERED SUCCESSFUL



15. TEST CASES:

15.1 UNIT TESTING:-

Unit testing involves the design of test cases that validate that the internal program logic is functioning properly, and that program inputs produce valid outputs. All decision branches and internal code flow should be validated. It is the testing of individual software units of the application .it is done after the completion of an individual unit before integration. This is a structural testing, that relies on knowledge of its construction and is invasive. Unit tests perform basic tests at component level and test a specific business process, application, and/or system configuration. Unit tests ensure that each unique path of a business process performs accurately to the documented specifications and contains clearly defined inputs and expected results.

Unit testing is usually conducted as part of a combined code and unit test phase of the software lifecycle, although it is not uncommon for coding and unit testing to be conducted as two distinct phases.

TEST ID	TEST CASE	TEST STEPS	INPUT DATA	EXPECTED OUTPUT	ACTUAL OUTPUT	RESULTS	STATUS
1	Check the functionality with valid admin id and password Admin Id: **admin123** Password: **admin123**	1.Enter valid id 2.Enter valid password 3.Click on login button	Admin ID: admin123 Password: admin123	Navigated to admin page	Navigated to admin page	Login successfully	Pass
		1. Enter valid id 2.Enter invalid password 3.Click on login button	Admin ID: admin123 Password: admin459	To show an error “invalid password”	To show an error “invalid password”	Login attempt failed	Pass
		1. Enter invalid id	Admin ID: admin1	To show an error	To show an error	Login attempt failed	Pass

		2.Enter valid password 3.Click on login button	Password: admin456	"invalid id"	"invalid id"		
		1. Enter invalid id 2.Enter invalid password 3.Click on login button	Admin ID: admin1 Password: admin459	To show an error "invalid id or invalid password"	To show an error "invalid id or invalid password"	Login attempt failed	Pass
2	Check the functionality with valid farmers id and password	1.Enter valid id 2.Enter valid password 3.Click on login button	Faculty ID: agro001 Password: agro123123	Navigated to admin page	Navigated to admin page	Login successfully	Pass
		1. Enter valid id 2.Enter invalid password 3.Click on login button	Faculty ID: agro001 Password: agro124	To show an error "invalid password"	To show an error "invalid password"	Login attempt stopped	Pass
		1. Enter invalid id 2.Enter valid password 3.Click on login button	Faculty ID: Argo011 Password: agro123	To show an error "invalid id"	To show an error "invalid id"	Login attempt stopped	Pass
		1. Enter invalid id 2.Enter invalid password 3.Click on	Faculty ID: CS0013 Password: mart124	To show an error "invalid id or invalid password"	To show an error "invalid id or invalid password"	Login attempt stopped	Pass

		login button					
3	Check the functionality with valid customer id and password	1.Enter valid id 2.Enter valid password 3.Click on login button	Student ID: cus0021 Password: venkat123	Navigated to admin page	Navigated to admin page	Login successfully	Pass
		1. Enter valid id 2.Enter invalid password 3.Click on login button	Student ID: cus0021 Password: sri1223	To show an error “invalid password”	To show an error “invalid password”	Login attempt failed	Pass
		1. Enter invalid id 2.Enter valid password 3.Click on login button	Student ID: 18BCS0026 Password: Venkat123	To show an error “invalid id”	To show an error “invalid id”	Login attempt failed	Pass
		1. Enter invalid id 2.Enter invalid password 3.Click on login button	Student ID: CS0026 Password: Sri123	To show an error “invalid id or invalid password”	To show an error “invalid id or invalid password”	Login attempt failed	Pass

15.2 INTEGRATION TESTING:-

Software integration testing is the incremental integration testing of two or more integrated software components on a single platform to produce failures caused by interface defects.

The task of the integration test is to check that components or software applications, e.g. components in a software system or – one step up – software applications at the company level – interact without error.

Test Results: All the test cases mentioned above passed successfully. No defects encountered.

ADMIN:

S.No	Action	Inputs	Expected Output	Actual Output	Test Result	Test Comments
1.	Launch website	localhost:	Index page	Index page	Pass	Launch successful
2.	Select as admin in login dropdown list	As Admin	Admin panel	Admin panel	Pass	Navigate to admin page
3.	Enter valid Admin ID and Password and hit login button	Enter Admin ID: admin123 Password: admin123 Click Login	The admin id and password that you've entered is matched with stored data. Navigated to admin page	The admin id and password that you've entered is matched with stored data. Navigated to admin page	Pass	Login successful Navigated to admin page
4.	Enter valid Admin ID and invalid Password and hit login button	Admin ID: admin Password: admin123 Click Login	Alert message. The password that you've entered is incorrect.	Alert message the password that you've entered is incorrect.	Pass	Invalid Login attempt stopped
5.	Select farmers detail in navigation bar	Click farmers Detail	It will display Farmers ID, Farmers Name, Email,	It will display Farmers ID, Farmers Name, Email,	Pass	Navigate to farmers Details page.

			Mobile and Delete	Mobile and Delete		
6.	Select customers detail in navigation bar	Click customers Detail	It will display customers ID, customers Name, Email, Phone and Delete customer's option in it.	It will display customers ID, customers Name, Email, Phone and Delete customer's option in it.	Pass	Navigate to Customers Details page
7.	Select product detail in navigation bar	Click product Detail	It will display Product image Product name product Code	It will display Product image Product name product Code	Pass	Navigate to product Details page.
8.	Select Change Password in navigation bar	Click Change Password	Current Password, New Password , Repeat password options will be displayed	Current Password, New Password , Repeat password options will be displayed	Pass	Navigate to Change Password page
9.	Enter valid current password, new password, repeat password and hit the submit button.	Enter Current Password: admin123 New Password: Admin456 Re Password: Admin456 click submit	New password created	New password created	Pass	Password change successful
10.	Check password and confirm password is match or not in change password page	Enter Current Password: admin456 New Password: admin123 Re Password: admin click submit	Please enter same value again	Please enter same value again	Pass	Alert message will be notified if the passwords are mismatched

FARMERS

S.No	Action	Inputs	Expected Output	Actual Output	Test Result	Test Comments
1.	Launch website	localhost:	Index page	Index page	Pass	Launch successful
2.	Select farmers register in navigation bar	Click Farmers Register	Farmers Register page will be displayed	Farmers Register page will be displayed	Pass	Navigate to Farmers Register page
3.	To create new farmers login. Enter Farmers Name, Farmers ID, Password, Confirm Password, Institute, Email Address, Mobile No. click create my Account button	Enter Farmers Name: Divi Farmers ID: agro001 Password: agro123 Confirm Password: agro123 Email Address:dhivi@gmail.com Mobile No: 9894429933 Click Create My Account	Register successful	Register successful	Pass	Remain in same page
4.	Check password and confirm password is	Enter Farmers name: Venkat Student ID: agro123 Password: agro123	Please enter same value again	Please enter same value again	Pass	Alert message will be notified if the password

	match or not in student login page	Confirm Password: **agro123** Email Address:dhivi@gmail.com Mobile No:638675435 Click Create My Account				s are mismatched
5.	Select as farmers in login dropdown list	 Click As farmers	Farmers login page will be displayed	Farmers login page will be displayed	Pass	Navigate to student login page
6.	Enter valid Farmers ID and valid Password and hit login button	 Farmers ID:agro123 Password: agro123	The Farmers id and password that you've entered is matched with stored data. Navigated to Student Home page.	The Farmers id and password that you've entered is matched with stored data. Navigated to Student Home page.	Pass	Login Successfully. Navigated to student home page
7.	Select Profile in navigation bar	 Click Profile	Personal Details like Name: venkat Email: venkat14@gmail.com Mobile: 9894429933 Date of Birth: 28/08/1999 Gender: male will be displayed	Personal Details like Name: venkat Email: venkat14@gmail.com Mobile: 9894429933 Date of Birth: 28/08/1999 Gender: male will be displayed	Pass	Navigate to personal Detail page.
8	Add product	Click add	Product name : Tomato Product price:30 Category: Vegetable Sub-category: Vegetable Product kilo : 1kg Product district : Vellore	Product name : Tomato Product price:30 Category: Vegetable Sub-category: Vegetable Product kilo : 1kg Product district : Vellore	pass	Navigate to product Detail page

			Description: Fresh and pure vegetables	Description: Fresh and pure vegetables		
9	Online paymen t	Click payment option	More payment options a. Credit cards b. debit card c. cash on delivery d. Gepay / phpay 2.Apply 3. Continue	More payment options a. Credit cards b. debit card c. cash on delivery d. Gepay / phpay 2.Apply 3. Continue	pass	Navigate to payment Detail page

CUSTOMER

S. No	Action	Inputs	Expected Output	Actual Output	Test Result	Test Comments
1.	Launch website	localhost:	Index page	Index page	Pass	Launch successful
2.	Select as Customers Register in Navigation bar	Click Customer Register	Customer Register	Customer Register	Pass	Navigate to Customer Register page
3.	Enter valid Faculty name, Faculty t ID , Password ,Confirm password , Institute ,Email and mobile number , date of birth and gender and hit Create my account button	Customer Name: Venkat Customer ID: cus001 Password: vent123 Confirm password: vent123 Email address:venkat123@gmail.com Mobile no: 9894429933 DOB:14/06/1990 Gender: male	Customer Registered Successfully.	Customer Registered Successfully.	Pass	Register successful.

4.	Select as Customer in login dropdown list	As Customer	Customer Login page	Customer Login page	pass	Navigate to Customer Login page.
5.	Enter valid Customer ID and valid Password and hit login button	Customer ID:cus012 Password: vent123	TheCustomer id and password that you've entered is matched with stored data. Navigated to Customer Home page.	The Customer id and password that you've entered is matched with stored data. Navigated to Customer Home page.	Pass	Login Successfully. Navigated to Customer home page
6.	Select Profile in navigation bar	Check profile	Personal details like Name:venkat Email: venkat24@gmail.com Mobile: 9894429933 DOB:14/06/1990 Gender: male Will be displayed.	Personal details like Name:Suja Email: venkat24@gmail.com Mobile: 9894429933 DOB:14/06/1990 Gender: male Will be displayed.	Pass	Navigate to personal detail page
7.	Select Add cart product navigation bar	Add product: Enter product Name: Tomato	New product will be added.	New product will be added. .	Pass	Product added.
8	Select View product in	View product: Enter the search bar	Product will be	Product will be	Pass	Product viewed.

	navigation bar	then click view product button	viewed by user.	viewed by user.		
9	Select search for offers	View offers: Enter the offers click on Offer link	Select Offer icon and click	Product offers will be displayed	pass	Product offers viewed
10	Select the place order	Place order: product name : tomato Kilo : 2 kg	Product will be placed by customer	Product will be placed by customer	pass	Order placed
11	Select the Shipping address	Enter the Detail Additional Address Details	**a.** Full Name **b.** Address Line 1 **c.** Address Line 2 **d.** City **e.** State /Province /Region **f.** Postal Code/ZIP **g**. Telephone number	The user can see the select a saved address.	pass	Shipping address is viewed
12	Select the payment method T	check the payment method	1.More payment options a. Credit cards b. debit card c. cash on delivery d. Gepay / phpay 2.Apply 3. Continue	The card details should get saved in the profile.	pass	Payment method is viewed

16 LANGUAGE USED

16.1 ASP.NET

ASP.NET is an open-source, server-side web-application framework designed for web development to produce dynamic web pages. It was developed by Microsoft to allow programmers to build dynamic web sites, applications and services.

It was first released in January 2002 with version 1.0 of the .NET Framework and is the successor to Microsoft's Active Server Pages (ASP) technology. ASP.NET is built on the Common Language Runtime (CLR), allowing programmers to write ASP.NET code using any supported .NET language. The ASP.NET SOAP extension framework allows ASP.NET components to process SOAP messages.

ASP.NET's successor is ASP.NET Core. It is a re-implementation of ASP.NET as a modular web framework, together with other frameworks like Entity Framework. The new framework uses the new open-source .NET Compiler Platform (codename "Roslyn") and is cross platform. ASP.NET MVC, ASP.NET Web API, and ASP.NET Web Pages (a platform using only Razor pages) have merged into a unified MVC

16.2 C#

C# (pronounced "C Sharp") is a programming language developed by Microsoft. It was introduced in 2002 with version 1.0 of Microsoft's .NET Framework. Since then, C# has gone through several revisions, corresponding with each .NET update. Today, it is one of the most popular programming languages for creating Windows programs and web applications.
C# is a derivative of the C programming language and is similar to C++. It uses the same basic operators as C++, is object oriented, case sensitive, and has nearly identical syntax. However, there are several differences between C# and C++. Below are just a few examples:

- Arrays in C++ are pointers, while in C#, they are objects that may include methods and properties.
- The bool (Boolean) data type is not recognized as an integer as it is in C++.
- The keywords typedef, extern, and static all have different meanings in C# than they do in C++.
- C# switch statements do not support fall-through from one case to another.
- Global methods and variables are not supported in C#, while they are in C++
- .

16.3 CSS (CASCADING STYLE SHEETS)

Cascading Style Sheets (**CSS**) is a style sheet language used for describing the presentation of a document written in a markup language such as HTML. CSS is a cornerstone technology of the World Wide Web, alongside HTML and JavaScript.

CSS is designed to enable the separation of presentation and content, including layout, colors, and fonts. This separation can improve content accessibility, provide more flexibility and control in the specification of presentation characteristics, enable multiple web pages to share formatting by specifying the relevant CSS in a separate

.css file which reduces complexity and repetition in the structural content as well as enabling the .css file to be cached to improve the page load speed between the pages that share the file and its formatting.

16.4 JAVASCRIPT

JavaScript is a text-based programming language used both on the client-side and server-side that allows you to make web pages interactive. Where HTML and CSS are languages that give structure and style to web pages, JavaScript gives web pages interactive elements that engage a user.Below is an example of a basic JavaScript function that adds two numbers. The function is called with the parameters 7 and 11. If the code below were included in the HTML of a webpage, it would display the text "18" in an alert box.

```
<script>
Function sum (a,b)
{
    Return a+b;
}
Var total = sum (7,7);
Alert (total);
</script>
```

17. CONCLUSION

New system usually provided for a smooth transition from the old system to the new System and help users cope with normal start-up problems. Thus the implementation phase delivers the “Online Farmers Trading System” into operation. Final testing is performed in this phase. I install my software into my computer, load database. The delivers of the implementation phase is the operational system that will enter the operation and support stage of the life cycle. The computing world has a lot to gain from Database Management System. This developed Database Management System will be a solution for Products Inventory Management System. The limitation of this software may be treated, as there is no high secured. In future the overall process of this software will be secured. Though this software is faced one limitation but it is still very smart and efficient enough for the user and also it is easily maintainable. It reduced the excess cost and time and save the data in a standard form. It works efficiently with large number of records

18. SUMMARY

The project aimed at providing the maximum profitability to the farmers who do not get profits due to the wholesalers who quote their own price for the stock. So, our system aims at providing maximum profit to the farmers through direct deal with the customers. The system is first proposed tot the farmers since it is a totally new concept for them. The middlemen would be hired for quick delivery of the the goods produced by the farmers to the customers. The system would be advertised so that it reaches maximum users so they could avail the service and help in maximise the profits of the farmers. Here we would have 2 systems such as stock marketing of the goods sold by the farmers and the 30% deliberately reserved stock would be sold as bid such that farmers earn more. The system

would have account systems for the farmers, users and the middlemen, the accounts would be synced with the address proofs for which government permission is to be taken. For quality check of the stocks the farmers would do the quality test at the laboratory prescribed by us. The laboratory after the test would determine its price based on the quality.

19. REFERENCE

[1] Panneerselvam, P., Halberg, N., Vaarst, M., & Hermansen, J. E. (2012). Indian farmers' experience with and perceptions of organic farming. *Renewable Agriculture and Food Systems*, *27*(2), 157-169.

[2] P. S. ANWESHA BORTHAKUR, "AGRICULTURAL RESEARCH IN INDIA: AN EXPLORATORY STUDY," International Journal of Social Science & Interdisciplinary Research, vol. 1, no. 9, pp. 59-74, 2012.

[3] Klemperer, P. (2002). What really matters in auction design. *Journal of economic perspectives*, *16*(1), 169-189.

[4] Kumar, P., & Nain, M. S. (2016). Agriculture in India: A SWOT analysis. *Indian J. Appl.*

[5] Ren, C. (2009, June). Research and design of online auction system based on the campus network using uml. In *2009 Second Pacific-Asia Conference on Web Mining and Web-based Application* (pp. 129-133). IEEE.*Res*, *3*(7), 2-5..

[6] Kumari, N. (2014). Recent Trends in Commodity Markets of India. *Abhinav International Monthly Refereed Journal of Research in Management & Technology*, *ISSN*, (2320-0073), 1-6..

[7] Bhowmik, D. (2013). Stock market volatility: An evaluation. *International Journal of Scientific and Research Publications*, *3*(10), 1-17.