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**P** ROFESSIONAL  
**U** NIVERSITY

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**Project Report**

**on**

**[E-Agriculture Resources Sharing]**

**Submitted to**

**LOVELY PROFESSIONAL UNIVERSITY**

**in partial fulfilment of the requirements for the award of degree of**

**Bachelor of Computer Applications**

**Submitted By**

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**Supervised By**

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**Designation: Assistant Professor**

**LOVELY FACULTY OF TECHNOLOGY & SCIENCES**

**LOVELY PROFESSIONAL UNIVERSITY**

**PUNJAB**

**[March-April 2019]**

## TOPIC APPROVAL PERFORMANCE

School of Computer Application (SCA)

**Program :** P22A-NN3::B.Sc. (Computer Science)

**COURSE CODE :** CAP349

**REGULAR/BACKLOG :** Regular

**GROUP NUMBER :** CARGC0114

**Supervisor Name :** Gaurav Kumar

**UID :** 20323

**Designation :** Assistant Professor

**Qualification :** MCA M.TECH M.PHIL

**Research Experience :** 2 Years

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**SPECIALIZATION AREA :** Software Engineering and Web Technologies

**Supervisor Signature:** \_\_\_\_\_

**PROPOSED TOPIC :** E-Resource Sharing

Qualitative Assessment of Proposed Topic by PAC		
Sr.No.	Parameter	Rating (out of 10)
1	Project Novelty: Potential of the project to create new knowledge	6.12
2	Project Feasibility: Project can be timely carried out in-house with low-cost and available resources in the University by the students.	6.65
3	Project Academic Inputs: Project topic is relevant and makes extensive use of academic inputs in UG program and serves as a culminating effort for core study area of the degree program.	6.59
4	Project Supervision: Project supervisor's is technically competent to guide students, resolve any issues, and impart necessary skills.	7.06
5	Social Applicability: Project work intends to solve a practical problem.	7.12
6	Future Scope: Project has potential to become basis of future research work, publication or patent.	6.53

PAC Committee Members		
PAC Member (HOD/Chairperson) Name: Pawan Kumar	UID: 11522	Recommended (Y/N): Yes
PAC Member (Allied) Name: Sartaj Singh	UID: 11303	Recommended (Y/N): Yes
PAC Member 3 Name: Dr. Amandeep	UID: 11202	Recommended (Y/N): NA
PAC Member 4 Name: Dr. Amandeep	UID: 11202	Recommended (Y/N): NA
PAC Member 5 Name: Dr. Amandeep	UID: 11202	Recommended (Y/N): NA
PAC Member 6 Name: Dr. Amandeep	UID: 11202	Recommended (Y/N): NA
PAC Member 7 Name: Dr. Amandeep	UID: 11202	Recommended (Y/N): NA
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PAC Member 11 Name: Pawan Kumar	UID: 11522	Recommended (Y/N): Yes
PAC Member 12 Name: Pawan Kumar	UID: 11522	Recommended (Y/N): Yes

PAC Member 13 Name: Pawan Kumar	UID: 11522	Recommended (Y/N): Yes
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PAC Member 15 Name: Sartaj Singh	UID: 11303	Recommended (Y/N): Yes
PAC Member 16 Name: Sartaj Singh	UID: 11303	Recommended (Y/N): Yes
PAC Member 17 Name: Sartaj Singh	UID: 11303	Recommended (Y/N): Yes
PAC Member 18 Name: Sartaj Singh	UID: 11303	Recommended (Y/N): Yes
PAC Member 19 Name: Sartaj Singh	UID: 11303	Recommended (Y/N): Yes
PAC Member 20 Name: Sartaj Singh	UID: 11303	Recommended (Y/N): Yes
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PAC Member 23 Name: Rishi Chopra	UID: 11111	Recommended (Y/N): NA
PAC Member 24 Name: Rishi Chopra	UID: 11111	Recommended (Y/N): NA
PAC Member 25 Name: Rishi Chopra	UID: 11111	Recommended (Y/N): NA
PAC Member 26 Name: Rishi Chopra	UID: 11111	Recommended (Y/N): NA
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PAC Member 29 Name: Balraj Kumar	UID: 11004	Recommended (Y/N): NA
PAC Member 30 Name: Balraj Kumar	UID: 11004	Recommended (Y/N): NA
PAC Member 31 Name: Balraj Kumar	UID: 11004	Recommended (Y/N): NA
PAC Member 32 Name: Balraj Kumar	UID: 11004	Recommended (Y/N): NA
PAC Member 33 Name: Balraj Kumar	UID: 11004	Recommended (Y/N): NA
PAC Member 34 Name: Balraj Kumar	UID: 11004	Recommended (Y/N): NA
PAC Member 35 Name: Pawan Kumar	UID: 11522	Recommended (Y/N): Yes
PAC Member 36 Name: Pawan Kumar	UID: 11522	Recommended (Y/N): Yes
PAC Member 37 Name: Pawan Kumar	UID: 11522	Recommended (Y/N): Yes
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DAA Nominee Name: Kuldeep Kumar Kushwaha	UID: 17118	Recommended (Y/N): NA
DAA Nominee Name: Kuldeep Kumar Kushwaha	UID: 17118	Recommended (Y/N): NA
DAA Nominee Name: Kuldeep Kumar Kushwaha	UID: 17118	Recommended (Y/N): NA
DAA Nominee Name: Kuldeep Kumar Kushwaha	UID: 17118	Recommended (Y/N): NA

**Final Topic Approved by PAC:** E-Resource Sharing

**Overall Remarks:** Approved

**PAC CHAIRPERSON Name:** 20554::Ashwani Kumar Tewari

**Approval Date:** 11 Apr 2019

# **CERTIFICATE**

This is to certify that this group have completed their pre project planning titled E-Agriculture Resources Sharing under my guidance and supervision. To the best of my knowledge, the present work is the result of their original study. No part of the report has ever been submitted for any other degree or diploma. The report is fit for the submission and the partial fulfilment of the conditions for the award of BSc. (Computer Science).

April-29-2019

Mr. Gaurav Kumar

## **Acknowledgment**

We owe a deep sense of gratitude to all those who have helped us in the successful completion of our Project.

We are indebted to our project mentor Mr. Gaurav Kumar for giving us constant support and cooperation. We are grateful to the Lovely Professional University for giving us this wonderful opportunity which might prove to be helpful. Also, we are grateful from all of our teachers they help us and teach us how to use our knowledge inefficient way and we are proud of our lovely teachers. This project has definitely been a rich learning experience for us. And We would like to convey thanks to all those, especially our friends for their ready assistance, keen interest and valuable suggestions in a limited time-bound.

Last but not least, we are extremely grateful to our parents, the respondents and for their unconditional support and ready assistance.

Muhmmad Sabir Qasimi  
Abdiweli Mohamed Farah  
Hikmatullah Nasiri

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# **1. Introduction**

## **Purpose**

The main objective of this project is building a website which will help farmers to make the effective cultivation by providing those up-to-date tools and make path to produce more products with less time and resource by hiring agriculture tools instead of buying any equipment they require through online. Here if suppose some village farmers want to use this facility and want to learn how is it possible and how they can use e-resource sharing to rent tools, they should be given training based on it and If they have knowledge of computer then they can directly register in the site and get access to each tool the need, otherwise the customer can directly contact with the vendor who will schedule for them the tool they want and explain in details more about the renting issues.

## **Scope**

By investigating most websites available for Agriculture tools we realized that most of the customers are unable to buy the tools, therefore in order to ease and get the required tool for their farms, vendors introduce this platform of hiring tools to the customers through manual basis. Hence to make easier we create such a platform for both the vendor and the customer to get easy access to each other.

## **2. System Analysis**

This is a brief specification of what the required system must do. This basically includes system requirement analysis and the study of the system itself.

After deep discussions in between us we realized that there is need to create such a platform in order those vendors who wish to rent the Agriculture instruments in an online format to benefit and help them reach to those in need of the resource through online.

### **Identification of Needs**

Agriculture E-resource sharing help the vendors to easily rent their resource and also helps the customers to hire easily and get access to these resource while they are at their various destinations with less time and energy.

This will help the vendor also an error free, reliable, secure and faster way of renting his/her resources.

This site will also help customers to search easily whatever item they need with less time and also will ease for the vendor to record the data of his/her customers easily in computerized way to reach relevant information of thousands of customers quickly.

### **Preliminary investigation**

After we have studied and discussed deeply in many agriculture resource websites we got some effective guides towards visualizing the features that were needed to be put together in the system and the desired output of the vendor as well the customers to ensure the system to become functional.

These specifications that we have got from the observations and deep studies we made from the Agriculture resource sites guided us how the



system should look like; it helped us in understanding some of the basic structures of the web application which we were supposed to develop.

## **Objective**

The objective of the project is to develop a website for Agriculture E-resource sharing which will maintain the total system in computerized way and generate required report that are very essential in every single manner.

## **Scope**

Our project is to develop a computerized system which will automate the process for renting Agriculture resources.

### **The scope of the proposed solution contains:**

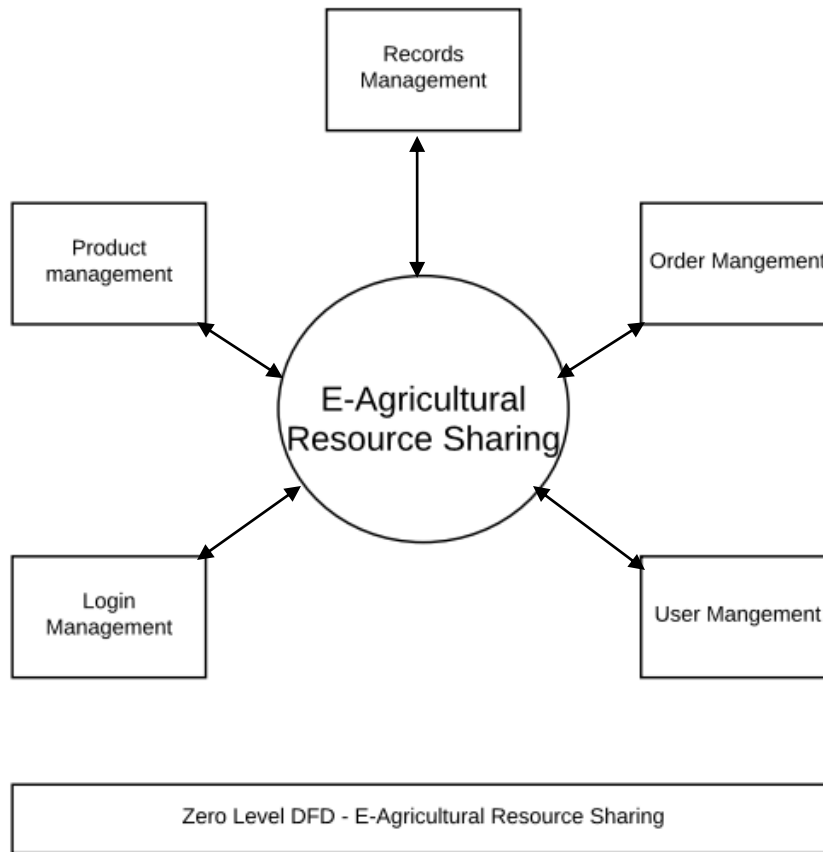
Providing security to the data entered by both customers and vendor.

Minimizing the bulk documentation.

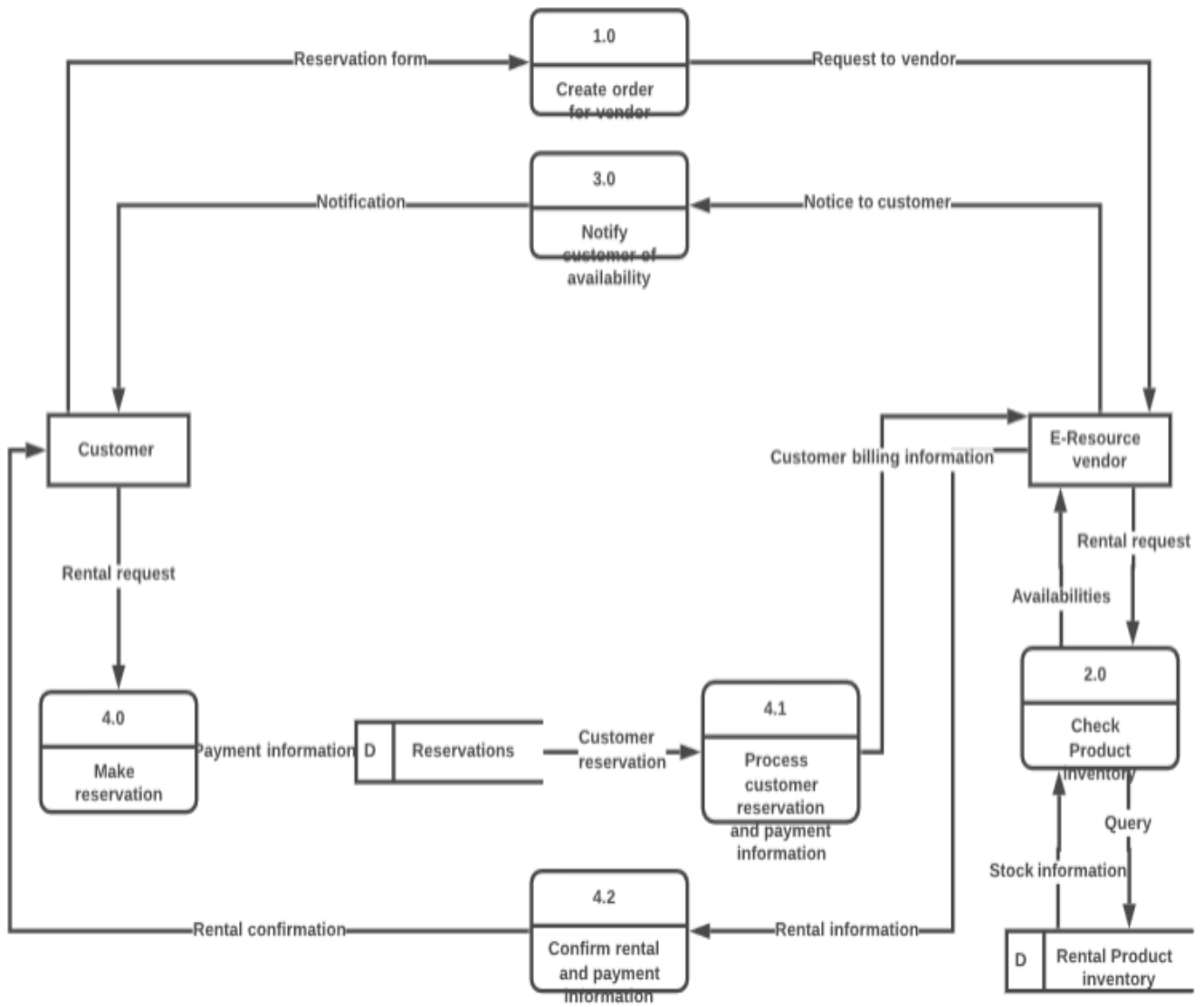
Easy maintenance of Data.

Reducing manpower and overhead work.

### 3. Data Flow Diagram



# Data Flow Diagram Logical



## 4. S/W & H/W Requirement Specification

Every application has specific goals and provide services for some particular purposes. For each goals and purpose, the application performs a process or several processes that the application provides to the users. The following are the Software and Hardware requirements for this E-sharing resources website.

### Software Requirements:

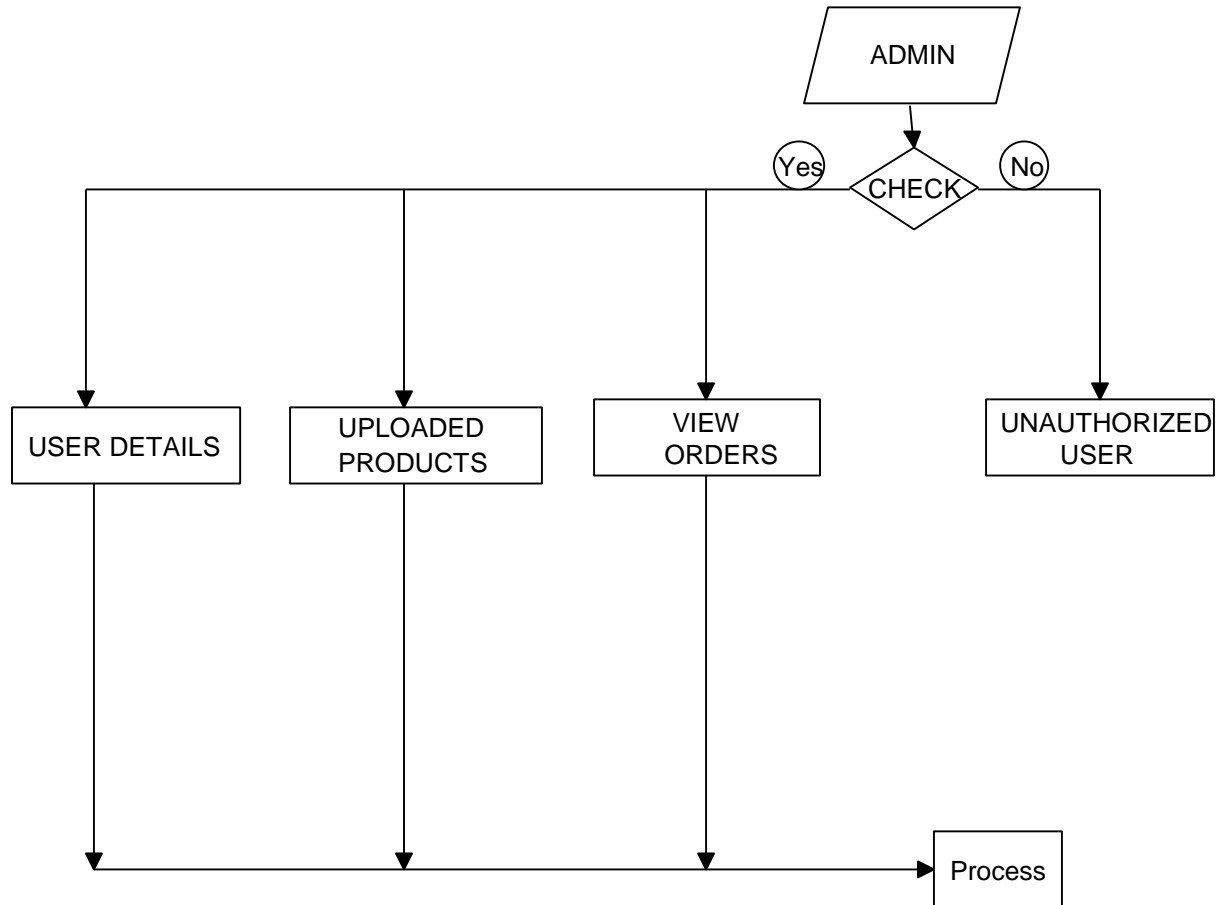
Operating System	: Windows
Technology	: Bootstrap & ASP.Net
Web Technologies	: Html5, JavaScript, CSS
IDE	: VB.Net 2015
Database	: SQL
Browsers	: internet explorer & Chrome & Firefox...

### Hardware Requirement:

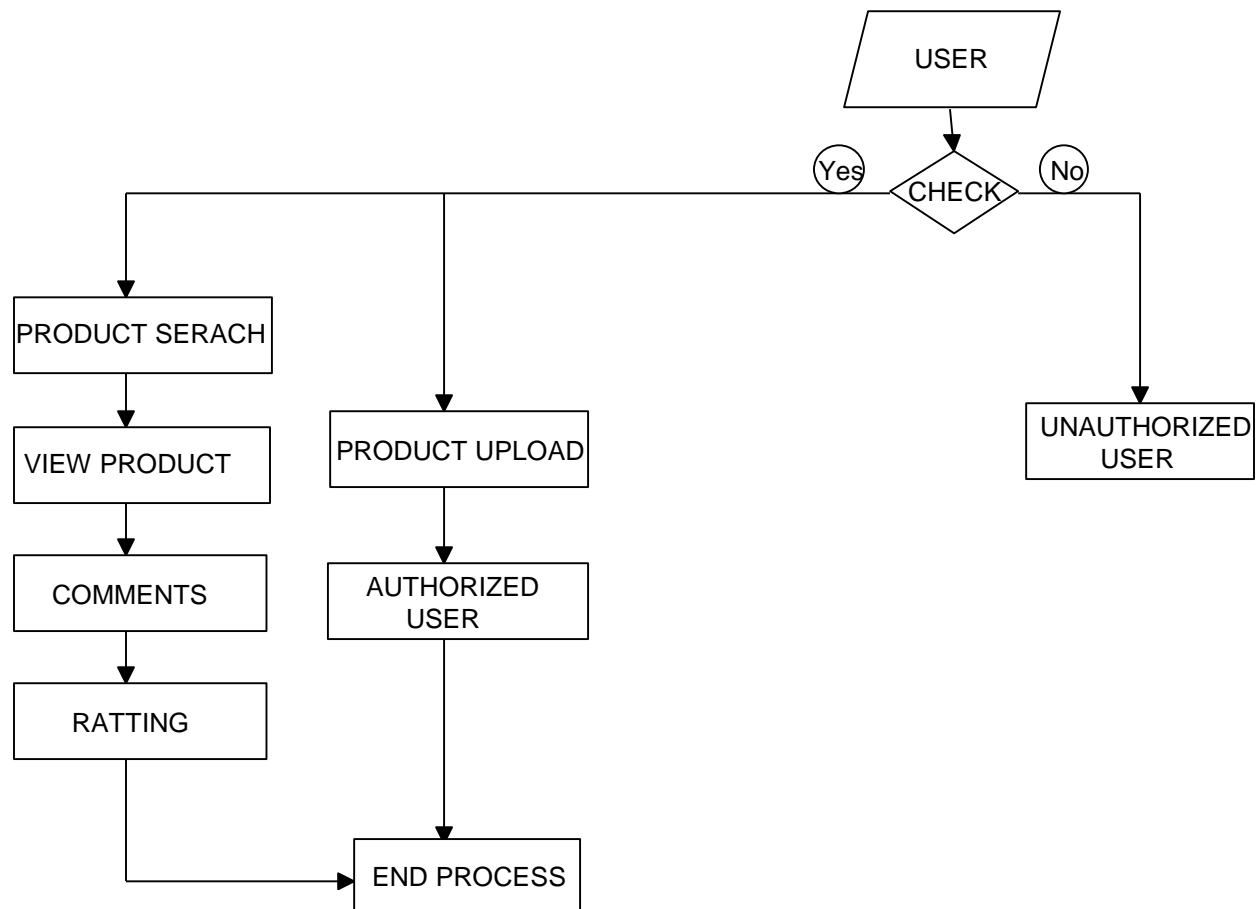
Hardware	: Laptop, Desktop, Mobile devices (Android, IOS)
Speed	: 1.1 GHz
RAM	: 512MB
Storage	: 500MB
Input devices	: Keyboard, Mouse, and Touch Screen.
Output device	: Display Screen

## 5. System Design

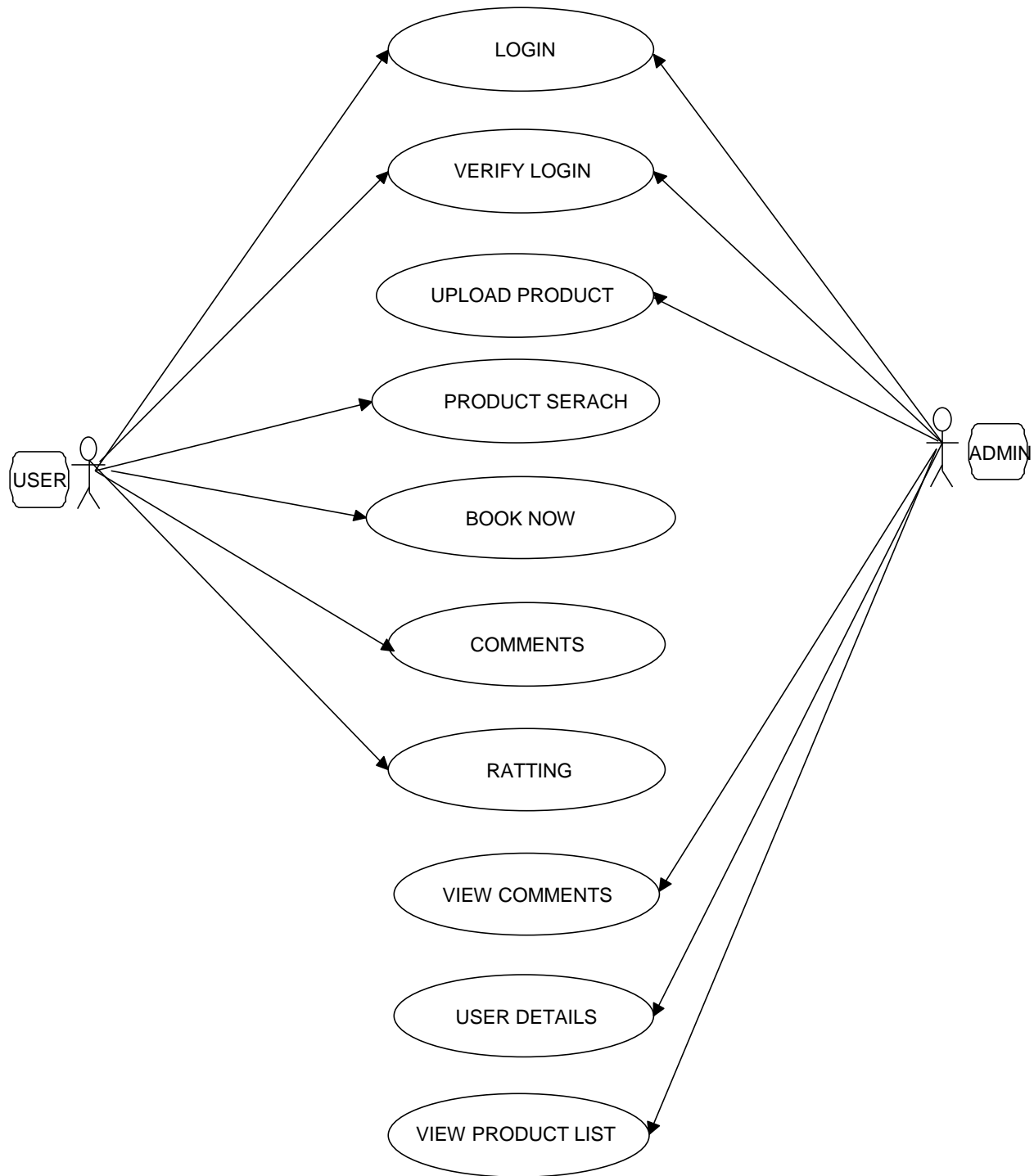
System Design: (admin)



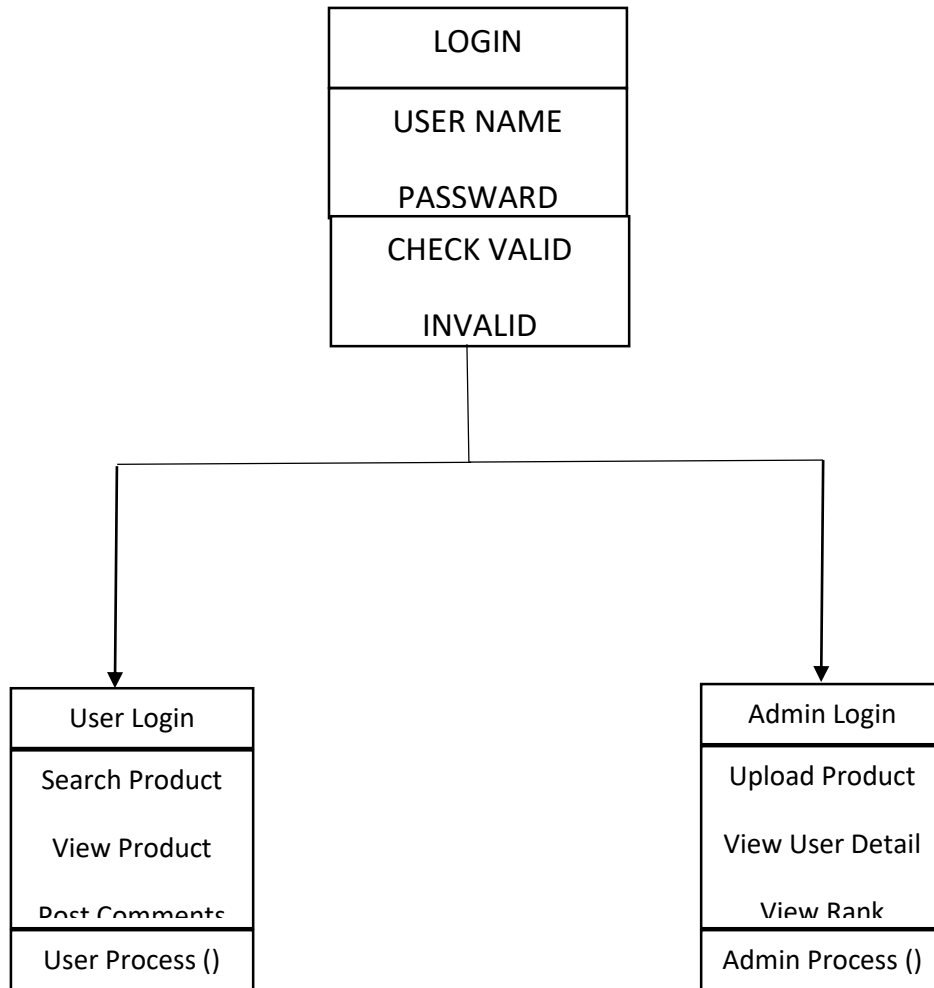
## User:



## User Case Diagram:

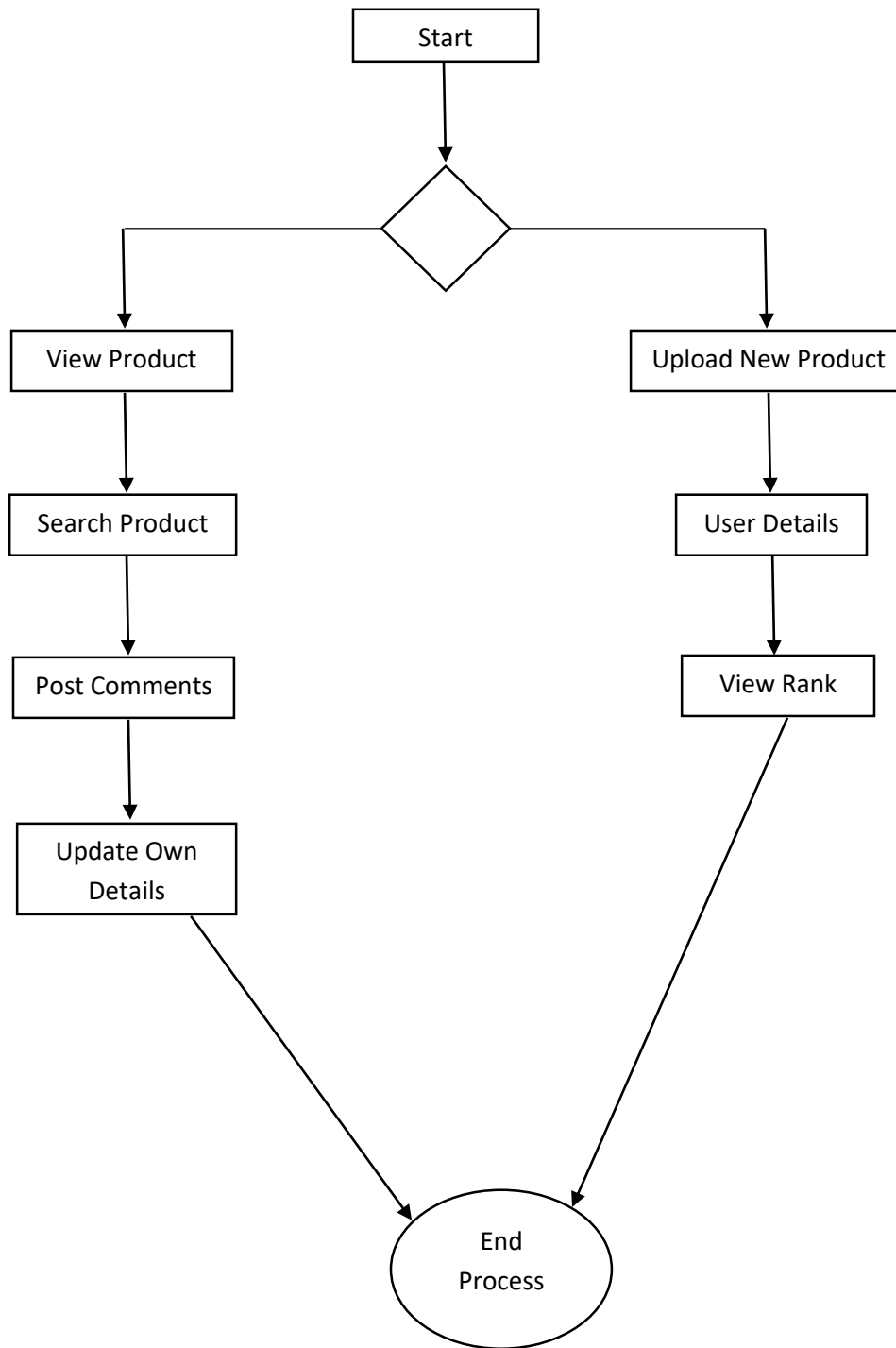


## Class Diagram:





## Activity Diagram:



## 6. Screen Shots with coding

### HOME Page

*E-Agriculture Resources*[Home](#)[About](#)[Contact](#)[Login](#)



You have products in your Cart **0**

[Show Orders](#)



**Tractor**  
**Daily Price INR. 2000**  
₹ 12600 for 7 days  
Select # of days   
[Rent now](#) [Details](#)



**Cultivator**  
**Daily Price INR. 1500**  
₹ 9450 for 7 days  
Select # of days   
[Rent now](#) [Details](#)



**Plows**  
**Daily Price INR. 1300**  
₹ 8190 for 7 days  
Select # of days   
[Rent now](#) [Details](#)



**Harvester**  
**Daily Price INR. 2000**  
₹ 12600 for 7 days  
Select # of days   
[Rent now](#) [Details](#)



**Hand Tools**  
**Daily Price INR. 360**  
₹ 2268 for 7 days  
Select # of days   
[Rent now](#) [Details](#)



**Modern Reaper Machine**  
**Daily Price INR. 2800**  
₹ 17640 for 7 days  
Select # of days   
[Rent now](#) [Details](#)



**Grass Cutter**  
**Daily Price INR. 1000**  
₹ 6300 for 7 days  
Select # of days   
[Rent now](#) [Details](#)



**Cotton Picker Machine**  
**Daily Price INR. 2100**  
₹ 13230 for 7 days  
Select # of days   
[Rent now](#) [Details](#)



**Sprayers**  
**Daily Price INR. 300**  
₹ 1890 for 7 days  
Select # of days   
[Rent now](#) [Details](#)

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# 1.Home Page Codes:

## Master Page.

```
<%@ Master Language="C#" AutoEventWireup="true" CodeFile="MasterPage.master.cs" Inherits="MasterPage" %>

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <!-- Required meta tags -->
    <meta charset="utf-8"/>
    <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no"/>
    <!-- Bootstrap CSS -->
    <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css" integrity="sha384-ggOyR0iXCbMQv3Xipma34MD+dH/1fQ784/j6cY/iJTQUOhcWr7x9JvoRxT2MZw1T" crossorigin="anonymous"/>
    <link href="css/bootstrap.css" rel="stylesheet" />
    <link href="css/style.css" rel="stylesheet" />

    <title>E-Resource Sharing</title>
    <asp:ContentPlaceholder id="head" runat="server">
    </asp:ContentPlaceholder>
</head>
<body>
    <form id="form1" runat="server">
        <div>
            <div class="row backgroundimage">
                <div class="container">
                    <!-- Navigation -->
                    <nav class="navbar navbar-expand-lg navbar-dark bg-dark fixed-top">
                        <div class="container">
                            <a class="navbar-brand text-success" href="#"><h2><i>E-Agriculture Resources</i></h2></a>
                            <button class="navbar-toggler" type="button" data-toggle="collapse" data-target="#navbarResponsive" aria-controls="navbarResponsive" aria-expanded="false" aria-label="Toggle navigation">
                                <span class="navbar-toggler-icon"></span>
                            </button>
                            <div class="collapse navbar-collapse" id="navbarResponsive">
                                <ul class="navbar-nav ml-auto">
                                    <li class="nav-item">
                                        <a class="nav-link text-success" href="Default.aspx"><h4>Home</h4>
                                        <span class="sr-only">(current)</span>
                                    </a>
                                    </li>
                                    <li class="nav-item">
                                        <a class="nav-link text-success" href="About.aspx"><h4>About</h4></a>
                                    </li>
                                    <li class="nav-item">
                                        <a class="nav-link text-success" href="contact.aspx"><h4>Contact</h4></a>
                                    </li>
                                    <li class="nav-item">

```





```
</body>
</html>
```

# Default Page.

```
<%@ Page Title="" Language="C#" MasterPageFile=~\MasterPage.master" AutoEventWireup=
>true" CodeFile="Default.aspx.cs" Inherits="Default2" %>

<asp:Content ID="Content1" ContentPlaceHolderID="head" Runat="Server">
    <style type="text/css">
        .auto-style1 {
            width: 100%;
            height: 254px;
        }
        .auto-style3 {
            text-align: center;
        }
        .auto-style4 {
            margin-top: 16px;
        }
    </style>
</asp:Content>
<asp:Content ID="Content2" ContentPlaceHolderID="ContentPlaceHolder1" Runat="Server">

    <link href="css/demo.css" rel="stylesheet" />
    <link href="css/demo2.css" rel="stylesheet" />

    <!-- CSS 3D -->

    <div id="three-container" style="height:540px;">
    </div>
    <script src='http://cdnjs.cloudflare.com/ajax/libs/three.js/r75/three.min
.js'></script>
    <script src='http://cdnjs.cloudflare.com/ajax/libs/gsap/1.18.0/TweenMax.m
in.js'></script>
    <script src='https://s3-us-west-
2.amazonaws.com/s.cdn.io/175711/bas.js'></script>
    <script src='https://s3-us-west-
2.amazonaws.com/s.cdn.io/175711/OrbitControls-2.js'></script>
    <script src="slideshow/js/index.js"></script>
    <!-- CSS 3D -->
<div class="col-lg-12" style="opacity:0.8;" >
    <div style="margin-top: 30px;">
        <asp:Label ID="Label1" runat="server" Text="You have products in your Cart
" ForeColor="White" Font-Bold="True" Font-Size="Large"></asp:Label>
        <asp:Label ID="Label2" runat="server" Text="Label" Font-Bold="True" Font-
Size="X-Large" ForeColor="Red"></asp:Label>&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&~\orders.aspx" Fon
t-Bold="True" Font-Size="X-Large">>Show Orders</asp:HyperLink>
        <asp:DataList ID="DataList1" runat="server" DataKeyField="ProductID" DataSourceID="SqlDataSource1" RepeatColumns="3" RepeatDirection="Horizontal" CellPadding="0"
OnItemCommand="DataList1_ItemCommand">
            <ItemTypeTemplate>
                <div style="padding-right:50px;">
                    <table border="0" class="auto-style1">
                        <tr>
```

```

        <td>
            <asp:Image ID="Image1" runat="server" Height="300px" ImageUrl='<%# Eval("ProductImage") %>' Width="300px" CssClass="img-thumbnail" />
        </td>
    </tr>
    <tr>
        <td>
            <asp:Label ID="Label5" runat="server" Font-Bold="True" Text='<%# Eval("ProductName") %>' CssClass="caption text-white w-50" Font-Size="X-Large"></asp:Label>
        </td>
    </tr>
    <tr>
        <td>
            <asp:Label ID="Label8" runat="server" Text="Daily Price INR. " Font-Bold="True" Font-Size="X-Large" ForeColor="Lime"></asp:Label>
            <asp:Label ID="Label9" runat="server" Font-Bold="True" Text='<%# Eval("Price") %>' Font-Size="X-Large" ForeColor="#FF9900"></asp:Label>
        </td>
    </tr>
    <tr>
        <td>
            <td><span class="bg-dark text-white w-50">
                &nbsp;&nbsp;&nbsp;<asp:Label ID="Label12" runat="server" Font-Bold="True" Text="₹" Font-Size="X-Large"></asp:Label>
                <asp:Label ID="Label6" runat="server" Text='<%# Eval("Discount") %>' Font-Bold="True" Font-Size="X-Large"></asp:Label>
                &nbsp;<asp:Label ID="Label7" runat="server" Text="for 7 days" Font-Size="X-Large" Font-Bold="True"></asp:Label>
                &nbsp;</span></td>
            </td>
        </tr>
    <tr>
        <td>
            <asp:Label ID="Label11" runat="server" Text="Select # of days" CssClass="bg-info text-white w-50" Font-Size="X-Large" Font-Bold="True"></asp:Label>
            &nbsp;<asp:DropDownList ID="DropDownList1" runat="server" Font-Size="Large" Width="48px">
                <asp:ListItem>1</asp:ListItem>
                <asp:ListItem>2</asp:ListItem>
                <asp:ListItem>3</asp:ListItem>
                <asp:ListItem>4</asp:ListItem>
                <asp:ListItem>5</asp:ListItem>
                <asp:ListItem>6</asp:ListItem>
                <asp:ListItem>7</asp:ListItem>
                <asp:ListItem>8</asp:ListItem>
                <asp:ListItem>9</asp:ListItem>
                <asp:ListItem>10</asp:ListItem>
                <asp:ListItem>11</asp:ListItem>
                <asp:ListItem>12</asp:ListItem>
                <asp:ListItem>13</asp:ListItem>
                <asp:ListItem>14</asp:ListItem>
                <asp:ListItem>15</asp:ListItem>
            </asp:DropDownList>
        </td>
    </tr>
    <tr>
        <td>

```

```

        <asp:ImageButton ID="ImageButton1" runat="server" Alterna
teText="BOOK NOW" CommandArgument='<%# Eval("productid") %>' CommandName="addtocart" C
ssClass="auto-style3" Height="44px" style="margin-left: 0px; margin-
bottom: 0px;" Width="147px" ImageUrl="~/images/button.png" />
        <asp:LinkButton ID="LinkButton1" runat="server" CssClass=
"btn btn-primary" PostBackUrl='<%# Eval("ProductDetails") %>' Font-Size="Large" Font-
Bold="True" Height="40px" style="margin-top: -35px">Details</asp:LinkButton>
    </td>
</tr>
<tr>
    <td class="auto-style3">
        <asp:Label ID="Label3" runat="server" Font-
Size="Smaller" Text="Product ID" Visible="False"></asp:Label>
        <asp:Label ID="Label4" runat="server" Font-
Size="Smaller" Text='<%# Eval("ProductID") %>' Visible="False"></asp:Label>
    </td>
</tr>
</table>
<br />
</div>
</ItemTemplate>
</asp:DataList>
</div>
<asp:SqlDataSource ID="SqlDataSource1" runat="server" ConnectionString='<%$ C
onnectionStrings:E_resourceConnectionString %>' SelectCommand="SELECT * FROM [Product
List]"></asp:SqlDataSource>
</div>

</asp:Content>

```

## Default Page C# codes

```

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;
public partial class Default2 : System.Web.UI.Page
{
    protected void Page_Load(object sender, EventArgs e)
    {
        DataTable dt = new DataTable();
        dt = (DataTable)Session["buyitems"];
        if (dt != null)
        {
            Label2.Text = dt.Rows.Count.ToString();
        }
        else
        {
            Label2.Text = "0";
        }
    }
}

```

```
protected void DataList1_ItemCommand(object source, DataListCommandEventArgs e)
{
    if (e.CommandName == "addtocart")
    {
        DropDownList dlist = (DropDownList)(e.Item.FindControl("DropDownList1"));
        Response.Redirect("orders.aspx?id=" + e.CommandArgument.ToString() + "&quantity=" + dlist.SelectedItem.ToString());
    }
}
}
```

## About Page.

*E-Agriculture Resources*
Home About Contact Login

### About Us

Our E-Agriculture Resources sharing website is a web based application which will provide facility to the farmers to share their farming resources:

- for optimized resource utilization
- as an income source to them as well
- this website will provide all agriculture
- and instruments for renting with lower prices
- our focus is to ease for farmers the development
- of their farming and give them
- the most easiest way they can get any resource
- tool they want to cultivate their farms and produce
- more output with minimum cost.

In this website in future farmers will share their resources on basis of rental agreement.

The farmers are paying huge amount of money to get access to expensive farming tools to collect satisfactory harvest from their land or gardens. On the other hand, there are poor farmers they cannot buy those machineries which will help them in cultivation productivity. So with our web application one group of the farmer can share their tools to recompense their capital and the second group can access to the expensive machinery with less amount of money.

### Our Team





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## 2.About Page Codes

```
<%@ Page Title="" Language="C#" MasterPageFile="~/MasterPage.master" AutoEventWireup=
"true" CodeFile="about.aspx.cs" Inherits="about" %>

<asp:Content ID="Content1" ContentPlaceHolderID="head" Runat="Server">
    </asp:Content>
<asp:Content ID="Content2" ContentPlaceHolderID="ContentPlaceHolder1" Runat="Server">
    <h1 style="margin-top:17px;text-align:center;"> About Us</h1>
    <div style="font-size: large; font-family: Arial, Helvetica, sans-
serif;opacity:0.8;">

        <p>
            Our E-
Agriculture Resources sharing website is a web based application which will provide f
acility
            to the farmers to share their farming resources:
        </p>
        <ul>
            <li>for optimized resource utilization</li>
            <li>as an income source to them as well</li>
            <li>this website will provide all agriculture</li>
            <li>and instruments for renting with lower prices</li>
            <li>our focus is to ease for farmers the development</li>
            <li>of their farming and give them</li>
            <li>the most easiest way they can get any resource</li>
            <li>tool they want to cultivate their farms and produce</li>
            <li>more output with minimum cost.</li>
        </ul>
        <p>In this website in future farmers will share their resiuces on bases of renta
l agreement.</p>
        <asp:Label ID="Label1" runat="server" Text="The farmers are paying huge amount
of money to get access to expensive farming tools to collect satisfactory harvest fr
om theirs land or gardens.
            On the other hand, there are poor farmers they cannot buy those machineries w
hich will help them in cultivation productivity.
            So with our web application one group of the farmer can share their tools to
recompense their capital and the second group can access to the expensive machinery w
ith less amount of money. " ForeColor="Black" BackColor="White"></asp:Label>
        </div>
        <div style="margin-bottom:20px;opacity:0.9;"> <h1 style="margin-top:17px;text-
align:center;"> Our Team</h1>
        <div style="float:left;margin-
right:10px;"><asp:Image ID="Image1" runat="server" ImageUrl="~/images/about/about3.jp
g" Height="400px" Width="360px" CssClass="img-thumbnail" /></div>
        <div style="float:left;margin-
right:10px;"><asp:Image ID="Image3" runat="server" ImageUrl="~/images/about/about1.jp
g" Height="400px" Width="360px" CssClass="img-thumbnail" /></div>
        <div><asp:Image ID="Image2" runat="server" ImageUrl="~/images/about/about2.jpg
" Height="400px" Width="360px" CssClass="img-thumbnail" /></div>
        </div>
    </asp:Content>
```

# Contact Page

*E-Agriculture Resources*

[Home](#) [About](#) [Contact](#) [Login](#)

## Contact Form

Full Name:

Enter Full Name

Email:

Enter Email

Phone No:

Enter Phone Number

Message:

Enter Your Message

Submit

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### 3.Contact Page Codes

```
<%@ Page Title="" Language="C#" MasterPageFile="~/MasterPage.master" AutoEventWireup=
"true" CodeFile="contact.aspx.cs" Inherits="contact" %>

<asp:Content ID="Content1" ContentPlaceHolderID="head" Runat="Server">
</asp:Content>
<asp:Content ID="Content2" ContentPlaceHolderID="ContentPlaceHolder1" Runat="Server">

    <div class="row" style="margin-top:20px;">
<div class="col col-lg-2"></div>
<div class="col col-lg-8" >
    <div class="panel panel-default">
        <div class="panel-heading" >
            <br />
            <center><h2 >Contact Form</h2></center>

        </div>
<div class="panel-body" >
    <div class="row" style="margin:10px" >
<h4 style="background-color:black">Full Name:</h4>
    <asp:TextBox ID="name" class="form-
control" runat="server" placeholder="Enter Full Name" required=""></asp:TextBox>
    </div>
    <div class="row" style="margin:10px">
<h4 style="background-color:black">Email:</h4>
    <asp:TextBox ID="email" class="form-
control" runat="server" placeholder="Enter Email" required=""></asp:TextBox>
    </div>
    <div class="row" style="margin:10px">
<h4 style="background-color:black">Phone No:</h4>
    <asp:TextBox ID="phone" class="form-
control" runat="server" placeholder="Enter Phone Number" required=""></asp:TextBox>

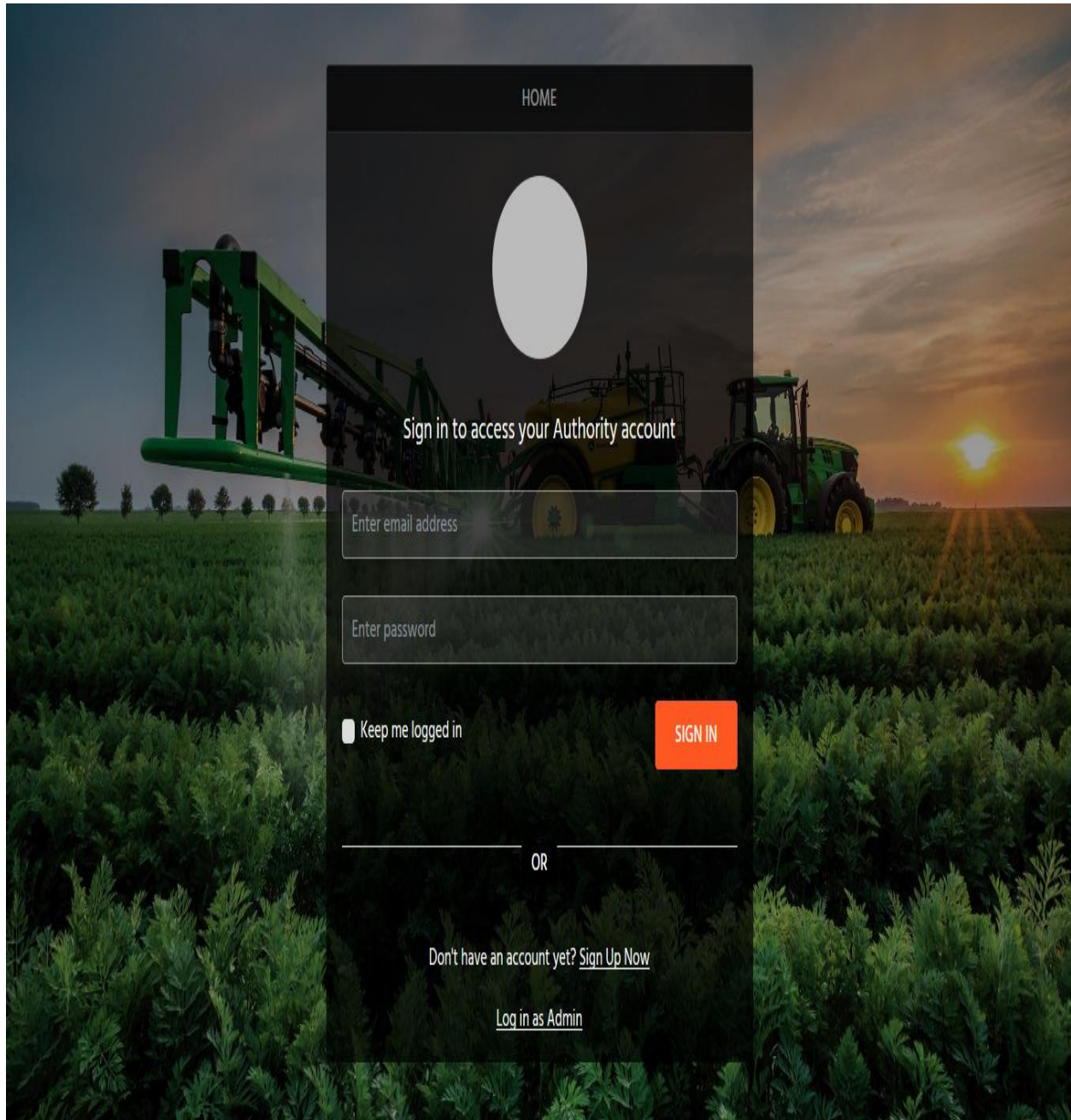
    </div>
    <div class="row" style="margin:10px">
<h4 style="background-color:black">Message:</h4>
    <asp:TextBox ID="message" textmode="MultiLine" Rows="10" class="form-
control" runat="server" placeholder="Enter Your Message" required=""></asp:TextBox>
    </div>

    <div class="row" style="margin:10px">
        <asp:Button runat="server" ID="btn_Send" CssClass="btn btn-
success" Text="Submit" />

    </div>
</div>
</div>
</div>
</div>
</div>
</asp:Content>
```



# Login Page



## 4. Login Page Codes.

```
<%@ Page Language="C#" AutoEventWireup="true" CodeFile="userLogin.aspx.cs" Inherits="
Admin_login" %>

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
    <link href="css/bootstrap.css" rel="stylesheet" />
```

```

    <link href="css/style.css" rel="stylesheet" />
</head>
<body>
    <form id="form1" runat="server">
        <div>
            <!--hero section-->
            <section class="hero">
                <div class="container">
                    <div class="row">
                        <div class="col-md-6 col-sm-8 mx-auto">
                            <div class="card border-none">
                                <a href=" ../Default.aspx" class="btn btn-dark float-
right" style=" text-decoration:none;opacity:0.5; background-color:#000;">Home</a>
                                <div class="card-body">
                                    <div class="mt-2">
                                        <span class="dot" style=" height: 120px; width:
120px;background-color: #bbb;border-radius: 50%;display: inline-block;margin-
left:190px;"></span>
                                        <%-- --%>
                                    </div>
                                    <p class="mt-4 text-white lead text-center">
                                        Sign in to access your Authority account
                                    </p>
                                    <div class="mt-4">
                                        </div>
                                        <div class="form-group">
                                            <asp:TextBox ID="email" class="form-
control" runat="server" placeholder="Enter email address" required=""></asp:TextBox>
                                        </div>
                                        <div class="form-group">
                                            <asp:TextBox ID="password" class="form-
control" runat="server" placeholder="Enter password" TextMode="Password" required=""
></asp:TextBox>
                                        </div>
                                        <label class="custom-control custom-
checkbox mt-2">
                                            <input type="checkbox" class="custom-
control-input">
                                            <span class="custom-control-
indicator"></span>
                                            <span class="custom-control-
description text-white">Keep me logged in</span>
                                        </label>
                                        <asp:Button ID="submit" runat="server" Text="
Sign in" class="btn btn-primary float-right" OnClick="submit_Click"/>
                                        <div class="clearfix"></div>
                                        <p class="content-divider center mt-4">
                                            <asp:Label ID="Label1" runat="server"></asp:L
abel>
                                            <br />
                                            <span>or</span></p>
                                        </div>
                                    </div>
                                    <p class="text-center">
                                        Don't have an account yet? <a href="register.aspx
">Sign Up Now</a>
                                    </p>
                                </div>
                            </div>
                        </div>
                    </div>
                </div>
            </section>
        </div>
    </form>
</body>

```

```

                <p class="text-center">
                    <a href="Admin_login/login.aspx">Log in as Admin
</a>

                </p>
            </div>
        </div>
    </div>
<div class="clearfix"></div>

</div>
</div>
</section>
</div>
</form>
</body>
</html>

```

## Login Page C# Codes.

```

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

public partial class Admin_login : System.Web.UI.Page
{
    SqlConnection conn = new SqlConnection(@"Data Source=localhost; Initial Catalog=E
_resource; Integrated Security=true");

    protected void Page_Load(object sender, EventArgs e)
    {

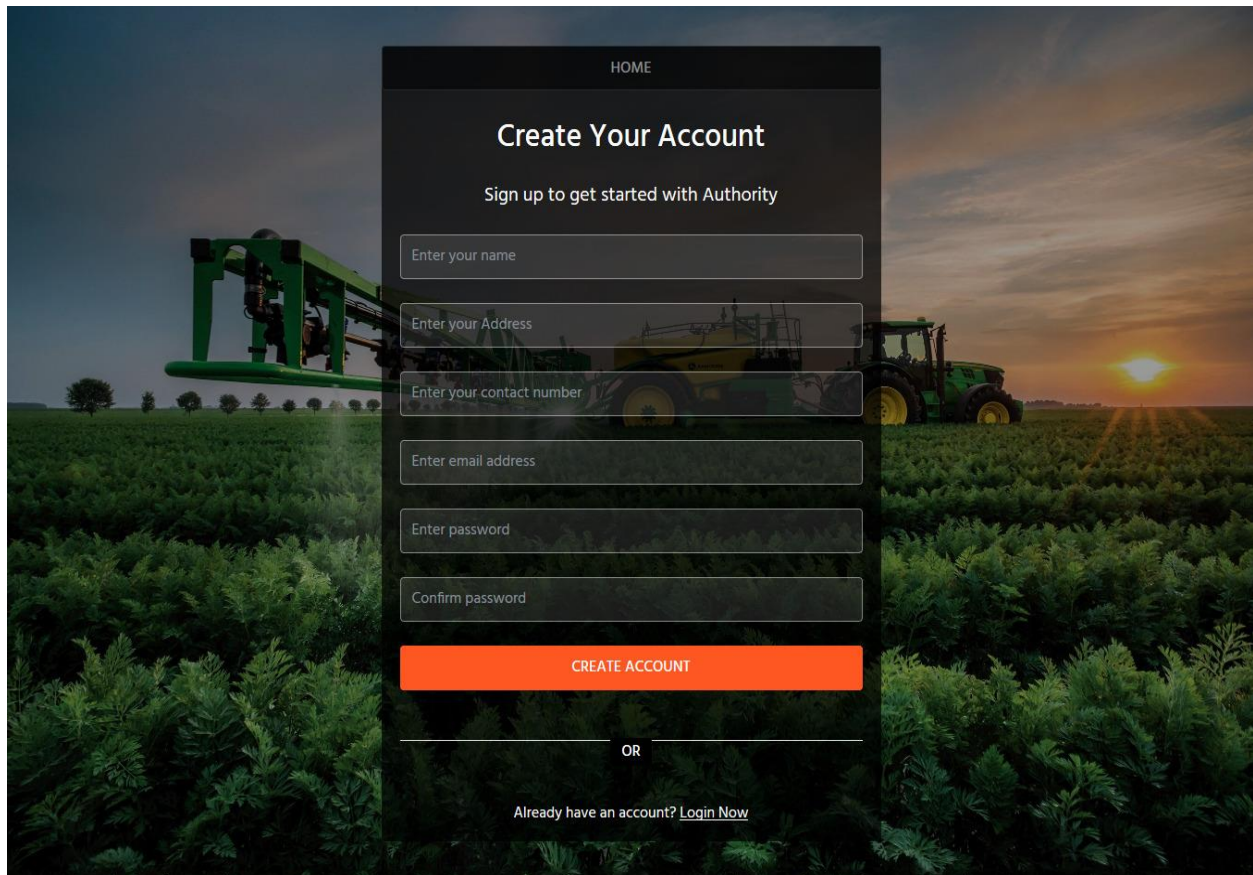
    }

    protected void submit_Click(object sender, EventArgs e)
    {
        conn.Open();
        string query = "select count(*) from UserRegister where Email='" + email.Text
+ "' and password='" + password.Text + "'";

        SqlCommand cmd = new SqlCommand(query, conn);
        string outp = cmd.ExecuteScalar().ToString();
        if(outp=="1")
        {
            Response.Redirect("../records.aspx");
        }
        else
        {
            Label1.Text=("Incorrect User Name or Password");
        }
        conn.Close();
    }
}

```

# Create User Page



## 5.Create User Page Codes.

```
<%@ Page Language="C#" AutoEventWireup="true" CodeFile="register.aspx.cs" Inherits="Admin_register" %>

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
    <link href="css/bootstrap.css" rel="stylesheet" />
    <link href="css/style.css" rel="stylesheet" />
</head>
<body>
    <form id="form1" runat="server">
        <div>
            <section class="hero">
                <div class="container">
                    <div class="row">
                        <div class="col-md-6 col-sm-8 mx-auto">
                            <div class="card border-none">
                                <a href=" ../Default.aspx" class="btn btn-dark float-right" style=" text-decoration:none;opacity:0.5; background-color:#000;">Home</a>
                                <div class="card-body">
                                    <div class="mt-2 text-center">
```

```

        <h2>Create Your Account</h2>
    </div>
    <p class="mt-4 text-white lead text-center">
        Sign up to get started with Authority
    </p>
    <div class="mt-4">
        </div>
        <div class="form-group">
            <asp:TextBox ID="name_register" class="f
orm-control" runat="server" placeholder="Enter your name" required=""></asp:TextBox>

        </div>
        <div class="form-group">
            <asp:TextBox ID="address_register" class
="form-
control" runat="server" placeholder="Enter your Address" required=""></asp:TextBox>

        </div>
        <div class="form-group">
            <asp:TextBox ID="contact_register" class
="form-
control" runat="server" placeholder="Enter your contact number" required=""></asp:Tex
tBox>

        </div>
        <div class="form-group">
            <asp:TextBox ID="email_register" class="
form-
control" runat="server" placeholder="Enter email address" required=""></asp:TextBox>

        </div>
        <div class="form-group">
            <asp:TextBox ID="txt_password" class="fo
rm-
control" runat="server" placeholder="Enter password" TextMode="Password" required="">
</asp:TextBox>

        </div>
        <div class="form-group">
            <asp:TextBox ID="txt_confirm" class="for
m-
control" runat="server" placeholder="Confirm password" TextMode="Password" required="
"></asp:TextBox>

        </div>
        <asp:Button ID="register" runat="server" Text
="Create Account" class="btn btn-primary btn-block" OnClick="register_Click" />

        <div class="clearfix"></div>
        <asp:Label ID="Label1" runat="server"></asp:Label
>
    </form>

    <p class="content-divider center mt-4">
        <br />
        <span>or</span></p>
    </div>

    <p class="text-center">
        Already have an account? <a href="userLogin.aspx"
>Login Now</a>

    </p>

```



```

        </div>
    </div>
</div>
<div class="clearfix"></div>

</div>
</div>
</section>
</div>
</form>
</body>
</html>

```

## Create User Page C# Codes.

```

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;

public partial class Admin_register : System.Web.UI.Page
{
    SqlConnection conn = new SqlConnection(@"Data Source=localhost; Initial Catalog=E_r
esource; Integrated Security=true");

    protected void Page_Load(object sender, EventArgs e)
    {

    }

    protected void register_Click(object sender, EventArgs e)
    {
        conn.Open();
        SqlCommand cmd = new SqlCommand("insert into UserRegister values('" + name_re
gister.Text + "','" + address_register.Text + "','" + contact_register.Text + "','" +
email_register.Text + "','" + txt_password.Text + "')", conn);
        cmd.ExecuteNonQuery();
        conn.Close();
        Label1.Text = "Your account has been created successfully";

        name_register.Text = "";
        address_register.Text = "";
        contact_register.Text = "";
        email_register.Text = "";

    }
}



```

# Product Page

There are 9 product pages in our website in which the codes are similar but the contents of each page is different according to the product.

Here we will show one product page as an example of all.

*E-Agriculture Resources*[Home](#)[About](#)[Contact](#)[Login](#)



## Product Description





### Cultivator

Cultivators are used for – you probably already guessed this – soil cultivation. In particular, cultivators are used for weed control before planting into a bed, as well as incorporating crop or weed residues and preparing a seed bed. Cultivator tines can be properly spaced to be used in a garden bed or crop field after plants are growing to remove the weeds from around the plants. It takes someone with a steady hand to drive the tractor in a straight line and not hit the vegetable plants with the cultivator. Expected Price: You will spend a couple of hundred rupees or more, depending on the size and left of cultivator you need.

10500 INR  
for 7 days

[Return](#)

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## 6.Product Page Codes.

```
<%@ Page Title="" Language="C#" MasterPageFile="~/MasterPage.master" AutoEventWireup=
"true" CodeFile="product2.aspx.cs" Inherits="product2" %>

<asp:Content ID="Content1" ContentPlaceHolderID="head" Runat="Server">
</asp:Content>
<asp:Content ID="Content2" ContentPlaceHolderID="ContentPlaceHolder1" Runat="Server">

    <br />
    <br />
    <br />

    <div class="col col-lg-12">
        <div class="row">
            <div class="col-lg-3">
                <br />

                <br />
                <br />
                <br />
                <br />

            </div>

            <div class="col-lg-7">
                <h2>Product Description</h2>
                <hr />
                <p>

<h3>Cultivator</h3>

                <p>

Cultivators are used for—you probably already guessed this—
soil cultivation. In particular,
cultivators are used for weed control before planting into a bed, as well as incorpor
ating crop
or weed residues and preparing a seed bed. Cultivator tines can be properly spaced to
be used in
a garden bed or crop field after plants are growing to remove the weeds from around t
he plants.
It takes someone with a steady hand to drive the tractor in a straight line and not h
it the vegetable
plants with the cultivator.

Expected Price: You will spend a couple of hundred rupees or more, depending on the s
ize and heft of cultivator you need.
</p>

                </p>
            </div>
            <div class="col-lg-2" style="border-
left: 2px solid white">
```



```

<h3>10500 INR for 7 days</h3>
<asp:Button runat="server" ID="Button9" Text=
"Return" CssClass="btn btn-primary btn-block" OnClick="Button9_Click" />
<br />

</div>
</div>
</div>



<br />
<br />
<br />
</asp:Content>

```

## Order Page

### E-Agriculture Resources

You have product **2** in your Cart [Continue Shopping](#)

S.No	Product ID	Product Image	Product Name	Price	No. of days	Total Price
1	1013		Grass Cutter	1000	2	2000 <a href="#">Remove</a>
2	1006		Cultivator	1500	1	1500 <a href="#">Remove</a>
Total Amount						3500

[Checkout](#)

## 7. Order Page Codes.

```
<%@ Page Language="C#" AutoEventWireup="true" CodeFile="orders.aspx.cs" Inherits="ord  
ers" %>  
  
<!DOCTYPE html>  
  
<html xmlns="http://www.w3.org/1999/xhtml">  
<head runat="server">  
    <title></title>  
    <style type="text/css">  
        .auto-style1 {  
            width: 633px;  
        }  
        .backgroundimage{  
font-family: 'Hind';  
background-color: #000;  
color: #fff;  
background-image: url('../images/backgrounds/back8.jpg');  
background-position: center center;  
background-repeat: repeat-y ;  
background-size: cover;  
padding-top: 54px;  
height:100%;  
}  
  
        .auto-style2 {  
            width: 275px;  
        }  
  
    </style>  
</head>  
<body class="backgroundimage">  
    <form id="form1" runat="server">  
        <div style="padding-left: 30%; opacity:0.9;">  
  
            <br />  
            <h1 style="font-size: xx-large; color: #009933; font-weight: bold; font-  
style: italic; background-color: #FFFFFF; width:687px;">&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&E-Agriculture Resources</h1>  
            <span class="auto-style2" style="font-weight: bold; font-size: x-large">  
                You have product  
            <asp:Label ID="Label1" runat="server" Font-Bold="True" Font-Size="X-Large" ForeColor="Red" Text="Label"></asp:Label>  
&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&~in your Cart&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&~</span>  
            <asp:HyperLink ID="HyperLink1" runat="server" NavigateUrl=~/{Default.aspx} Font-Bold="True" Font-Size="X-Large" ForeColor="Red">Continue Shopping</asp:HyperLink>  
  
            <br />  
            <br />  
            <asp:GridView ID="GridView1" runat="server" AutoGenerateColumns="False" CellPadding="4" ForeColor="#333333" GridLines="None" Height="338px" HorizontalAlign="Left" OnRowDeleting="{Gridview1_RowDeleting}" ShowFooter="True" Width="634px">  
                <AlternatingRowStyle BackColor="White" />  
                <Columns>  
                    <asp:BoundField DataField="sno" HeaderText="S.No">  
                        <ItemStyle HorizontalAlign="Center" />  
                    </asp:BoundField>  
                    <asp:BoundField DataField="productid" HeaderText="Product ID">
```

```

        <ItemStyle HorizontalAlign="Center" />
        </asp:BoundField>
        <asp:ImageField DataImageUrlField="productimage" HeaderText="Product
Image">
            <ControlStyle Height="300px" Width="300px" />
            <ItemStyle HorizontalAlign="Center" />
        </asp:ImageField>
        <asp:BoundField DataField="productname" HeaderText="Product Name">
            <ItemStyle HorizontalAlign="Center" />
        </asp:BoundField>
        <asp:BoundField DataField="price" HeaderText="Price">
            <ItemStyle HorizontalAlign="Center" />
        </asp:BoundField>
        <asp:BoundField DataField="quantity" HeaderText="No. of days">
            <ItemStyle HorizontalAlign="Center" />
        </asp:BoundField>
        <asp:BoundField DataField="totalprice" HeaderText="Total Price">
            <ItemStyle HorizontalAlign="Center" />
        </asp:BoundField>
        <asp:CommandField DeleteText="Remove" ShowDeleteButton="True" />
    </Columns>
    <EditRowStyle BackColor="#2461BF" />
    <FooterStyle BackColor="#507CD1" Font-Bold="True" ForeColor="White" />
    <HeaderStyle BackColor="#507CD1" Font-
Bold="True" ForeColor="White" Height="50px" />
    <PagerStyle BackColor="#2461BF" ForeColor="White" HorizontalAlign="Center
" />

    <RowStyle BackColor="#FFF3FB" />
    <SelectedRowStyle BackColor="#D1DDF1" Font-
Bold="True" ForeColor="#333333" />
    <SortedAscendingCellStyle BackColor="#F5F7FB" />
    <SortedAscendingHeaderStyle BackColor="#6D95E1" />
    <SortedDescendingCellStyle BackColor="#E9EBEF" />
    <SortedDescendingHeaderStyle BackColor="#4870BE" />
</asp:GridView>
<br />
<br />
<br />

<div class="auto-style1" style="clear: both">
    <br />
    <br />
    <asp:Button ID="Button1" runat="server" BackColor="#0066FF" ForeColor="White"
OnClick="Button1_Click" Text="Checkout" Width="189px" Font-Bold="False" Font-
Size="X-Large" Height="44px" />
</div>
</div>
<p>
    &nbsp;   </p>
</form>
</body>
</html>

```

## Order Page Codes C#.

```

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;
public partial class orders : System.Web.UI.Page
{
    protected void Page_Load(object sender, EventArgs e)
    {
        if (!IsPostBack)
        {
            DataTable dt = new DataTable();
            DataRow dr;
            dt.Columns.Add("sno");
            dt.Columns.Add("productid");
            dt.Columns.Add("productname");
            dt.Columns.Add("quantity");
            dt.Columns.Add("price");
            dt.Columns.Add("totalprice");
            dt.Columns.Add("productimage");

            if (Request.QueryString["id"] != null)
            {
                if (Session["Buyitems"] == null)
                {
                    dr = dt.NewRow();
                    String mycon = "Data Source=localhost;Initial Catalog=E_resource;
Integrated Security=True";
                    SqlConnection scon = new SqlConnection(mycon);
                    String myquery = "select * from Productlist where productid=" + R
equest.QueryString["id"];
                    SqlCommand cmd = new SqlCommand();
                    cmd.CommandText = myquery;
                    cmd.Connection = scon;
                    SqlDataAdapter da = new SqlDataAdapter();
                    da.SelectCommand = cmd;
                    DataSet ds = new DataSet();
                    da.Fill(ds);
                    dr["sno"] = 1;
                    dr["productid"] = ds.Tables[0].Rows[0]["productid"].ToString();
                    dr["productname"] = ds.Tables[0].Rows[0]["productname"].ToString(
);
                    dr["productimage"] = ds.Tables[0].Rows[0]["productimage"].ToStrin
g();
                    dr["quantity"] = Request.QueryString["quantity"];
                    dr["price"] = ds.Tables[0].Rows[0]["price"].ToString();
                    int price = Convert.ToInt16(ds.Tables[0].Rows[0]["price"].ToStrin
g());
                    int quantity = Convert.ToInt16(Request.QueryString["quantity"].To
String());
                    int totalprice = price * quantity;
                    dr["totalprice"] = totalprice;

                    dt.Rows.Add(dr);
                    GridView1.DataSource = dt;
                    GridView1.DataBind();

                    Session["buyitems"] = dt;

```

```

        GridView1.FooterRow.Cells[5].Text = "Total Amount";
        GridView1.FooterRow.Cells[6].Text = grandtotal().ToString();
        Response.Redirect("orders.aspx");

    }
    else
    {

        dt = (DataTable)Session["buyitems"];
        int sr;
        sr = dt.Rows.Count;

        dr = dt.NewRow();
        String mycon = "Data Source=localhost;Initial Catalog=E_resource;
Integrated Security=True";
        SqlConnection scon = new SqlConnection(mycon);
        String myquery = "select * from Productlist where productid=" + Request.QueryString["id"];
        SqlCommand cmd = new SqlCommand();
        cmd.CommandText = myquery;
        cmd.Connection = scon;
        SqlDataAdapter da = new SqlDataAdapter();
        da.SelectCommand = cmd;
        DataSet ds = new DataSet();
        da.Fill(ds);
        dr["sno"] = sr + 1;
        dr["productid"] = ds.Tables[0].Rows[0]["productid"].ToString();
        dr["productname"] = ds.Tables[0].Rows[0]["productname"].ToString();

        dr["productimage"] = ds.Tables[0].Rows[0]["productimage"].ToString();

        dr["quantity"] = Request.QueryString["quantity"];
        dr["price"] = ds.Tables[0].Rows[0]["price"].ToString();
        int price = Convert.ToInt16(ds.Tables[0].Rows[0]["price"].ToString());

        int quantity = Convert.ToInt16(Request.QueryString["quantity"].ToString());

        int totalprice = price * quantity;
        dr["totalprice"] = totalprice;
        dt.Rows.Add(dr);
        GridView1.DataSource = dt;
        GridView1.DataBind();

        Session["buyitems"] = dt;
        GridView1.FooterRow.Cells[5].Text = "Total Amount";
        GridView1.FooterRow.Cells[6].Text = grandtotal().ToString();
        Response.Redirect("orders.aspx");

    }
}
else
{
    dt = (DataTable)Session["buyitems"];
    GridView1.DataSource = dt;
    GridView1.DataBind();
    if (GridView1.Rows.Count > 0)
    {
        GridView1.FooterRow.Cells[5].Text = "Total Amount";
        GridView1.FooterRow.Cells[6].Text = grandtotal().ToString();
    }
}
}

```



```

        }

        }
        Label1.Text = GridView1.Rows.Count.ToString();

    }

}

public int grandtotal()
{
    DataTable dt = new DataTable();
    dt = (DataTable)Session["buyitems"];
    int nrow = dt.Rows.Count;
    int i = 0;
    int gtotal = 0;
    while (i < nrow)
    {
        gtotal = gtotal + Convert.ToInt32(dt.Rows[i]["totalprice"].ToString());

        i = i + 1;
    }
    return gtotal;
}

protected void GridView1_RowDeleting(object sender, GridViewDeleteEventArgs e)
{
    DataTable dt = new DataTable();
    dt = (DataTable)Session["buyitems"];

    for (int i = 0; i <= dt.Rows.Count - 1; i++)
    {
        int sr;
        int sr1;
        string qdata;
        string dtdata;
        sr = Convert.ToInt32(dt.Rows[i]["sno"].ToString());
        TableCell cell = GridView1.Rows[e.RowIndex].Cells[0];
        qdata = cell.Text;
        dtdata = sr.ToString();
        sr1 = Convert.ToInt32(qdata);

        if (sr == sr1)
        {
            dt.Rows[i].Delete();
            dt.AcceptChanges();
            //Label1.Text = "Item Has Been Deleted From Shopping Cart";
            break;
        }
    }

    for (int i = 1; i <= dt.Rows.Count; i++)

```

```

    {
        dt.Rows[i - 1]["sno"] = i;
        dt.AcceptChanges();
    }

    Session["buyitems"] = dt;
    Response.Redirect("orders.aspx");
}

protected void Button1_Click(object sender, EventArgs e)
{
    Response.Redirect("PlaceOrder.aspx");
}
}



```

## Place Order/Checkout Page

**E-Agriculture Resources**

**Chekout of Products from Shopping Cart**

Order ID      Order214072942019718r9  
 Order Date      4/29/2019

S.No	Product ID	Product Name	Product	Price	No of days	Total Price
1	1013	Grass Cutter		1000	2	2000
2	1006	Cultivator		1500	1	1500
<b>Total Amount</b>						<b>3500</b>

Type Your Address

Mobile Number

[Place Order](#) [Return](#)

## 8.Place Order/Checkout Page Codes.

```
<%@ Page Language="C#" AutoEventWireup="true" CodeFile="PlaceOrder.aspx.cs" Inherits="PlaceOrder" %>

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
    <style type="text/css">
        .auto-style1 {
            width: 31%;
        }
        .auto-style2 {
            width: 160px;
        }
        .auto-style3 {
            width: 70%;
            height: 124px;
            background-color: #3366CC;
        }
        .auto-style4 {
            width: 221px;
        }
        .auto-style5 {
            width: 221px;
            height: 69px;
        }
        .auto-style6 {
            height: 69px;
            width: 330px;
        }
        .auto-style7 {
            width: 330px;
        }
        .backgroundimage{
            font-family: 'Hind';
            background-color: #000;
            color: #fff;
            background-image: url('../images/backgrounds/back8.jpg');
            background-position: center center;
            background-repeat: repeat-y ;
            background-size: cover;
            padding-top: 54px;
            height:100%;
        }
        .auto-style9 {
            margin-left: 0px;
            resize:none;
        }
    </style>
</head>
<body class="backgroundimage">
    <form id="form1" runat="server">
        <div style="padding-left: 30%; opacity:0.9;">
```





```

protected void Page_Load(object sender, EventArgs e)
{
    if (!IsPostBack)
    {
        DataTable dt = new DataTable();
        DataRow dr;
        dt.Columns.Add("sno");
        dt.Columns.Add("productid");
        dt.Columns.Add("productname");
        dt.Columns.Add("quantity");
        dt.Columns.Add("price");
        dt.Columns.Add("totalprice");
        dt.Columns.Add("productimage");

        if (Request.QueryString["id"] != null)
        {
            if (Session["Buyitems"] == null)
            {
                dr = dt.NewRow();
                String mycon = "Data Source=localhost;Initial Catalog=E_resource;
Integrated Security=True";
                SqlConnection scon = new SqlConnection(mycon);
                String myquery = "select * from Productlist where productid=" + R
equest.QueryString["id"];
                SqlCommand cmd = new SqlCommand();
                cmd.CommandText = myquery;
                cmd.Connection = scon;
                SqlDataAdapter da = new SqlDataAdapter();
                da.SelectCommand = cmd;
                DataSet ds = new DataSet();
                da.Fill(ds);
                dr["sno"] = 1;
                dr["productid"] = ds.Tables[0].Rows[0]["productid"].ToString();
                dr["productname"] = ds.Tables[0].Rows[0]["productname"].ToString(
);
                dr["productimage"] = ds.Tables[0].Rows[0]["productimage"].ToStrin
g();
                dr["quantity"] = Request.QueryString["quantity"];
                dr["price"] = ds.Tables[0].Rows[0]["price"].ToString();
                int price = Convert.ToInt16(ds.Tables[0].Rows[0]["price"].ToStrin
g());
                int quantity = Convert.ToInt16(Request.QueryString["quantity"].To
String());
                int totalprice = price * quantity;
                dr["totalprice"] = totalprice;

                dt.Rows.Add(dr);
                GridView1.DataSource = dt;
                GridView1.DataBind();

                Session["buyitems"] = dt;
                GridView1.FooterRow.Cells[5].Text = "Total Amount";
                GridView1.FooterRow.Cells[6].Text = grandtotal().ToString();
                Response.Redirect("orders.aspx");
            }
        }
    }
}
else

```



```

        {
            dt = (DataTable)Session["buyitems"];
            int sr;
            sr = dt.Rows.Count;

            dr = dt.NewRow();
            String mycon = "Data Source=localhost;Initial Catalog=E_resource;
Integrated Security=True";
            SqlConnection scon = new SqlConnection(mycon);
            String myquery = "select * from Productlist where productid=" + Request.QueryString["id"];
            SqlCommand cmd = new SqlCommand();
            cmd.CommandText = myquery;
            cmd.Connection = scon;
            SqlDataAdapter da = new SqlDataAdapter();
            da.SelectCommand = cmd;
            DataSet ds = new DataSet();
            da.Fill(ds);
            dr["sno"] = sr + 1;
            dr["productid"] = ds.Tables[0].Rows[0]["productid"].ToString();
            dr["productname"] = ds.Tables[0].Rows[0]["productname"].ToString();

            dr["productimage"] = ds.Tables[0].Rows[0]["productimage"].ToString();

            dr["quantity"] = Request.QueryString["quantity"];
            dr["price"] = ds.Tables[0].Rows[0]["price"].ToString();
            int price = Convert.ToInt16(ds.Tables[0].Rows[0]["price"].ToString());

            int quantity = Convert.ToInt16(Request.QueryString["quantity"].ToString());

            int totalprice = price * quantity;
            dr["totalprice"] = totalprice;
            dt.Rows.Add(dr);
            GridView1.DataSource = dt;
            GridView1.DataBind();

            Session["buyitems"] = dt;
            GridView1.FooterRow.Cells[5].Text = "Total Amount";
            GridView1.FooterRow.Cells[6].Text = grandtotal().ToString();
            Response.Redirect("orders.aspx");
        }
    }
    else
    {
        dt = (DataTable)Session["buyitems"];
        GridView1.DataSource = dt;
        GridView1.DataBind();
        if (GridView1.Rows.Count > 0)
        {
            GridView1.FooterRow.Cells[5].Text = "Total Amount";
            GridView1.FooterRow.Cells[6].Text = grandtotal().ToString();
        }
    }

    // Label2.Text = GridView1.Rows.Count.ToString();

```

```

    }
    Label3.Text = DateTime.Now.ToShortDateString();
    findorderid();
}

public int grandtotal()
{
    DataTable dt = new DataTable();
    dt = (DataTable)Session["buyitems"];
    int nrow = dt.Rows.Count;
    int i = 0;
    int gtotal = 0;
    while (i < nrow)
    {
        gtotal = gtotal + Convert.ToInt32(dt.Rows[i]["totalprice"].ToString());

        i = i + 1;
    }
    return gtotal;
}

public void findorderid()
{
    String pass = "abcdefghijklmnopqrstuvwxyz123456789";
    Random r = new Random();
    char[] mypass = new char[5];
    for (int i = 0; i < 5; i++)
    {
        mypass[i] = pass[(int)(35 * r.NextDouble())];
    }
    String orderid;
    orderid = "Order" + DateTime.Now.Hour.ToString() + DateTime.Now.Minute.ToStri
ng() + DateTime.Now.Second.ToString() + DateTime.Now.Day.ToString() + DateTime.Now.Mo
nth.ToString() + DateTime.Now.Year.ToString()+ new string(mypass);

    Label2.Text = orderid;

}

public void saveaddress()
{
    String updatepass = "insert into orderaddress(orderid,address,mobilenumber) v
alues('" + Label2.Text + "',''+TextBox1.Text+'',''+TextBox2.Text+'')";
    String mycon1 = "Data Source=localhost;Initial Catalog=E_resource;Integrated
Security=True";
    SqlConnection s = new SqlConnection(mycon1);
    s.Open();
    SqlCommand cmd1 = new SqlCommand();
    cmd1.CommandText = updatepass;
    cmd1.Connection = s;
    cmd1.ExecuteNonQuery();
    s.Close();
}

protected void Button1_Click(object sender, EventArgs e)
{
    DataTable dt;
    dt = (DataTable)Session["buyitems"];

```



```

        for (int i = 0; i <= dt.Rows.Count - 1; i++)
        {
            String updatepass = "insert into orderdetails(orderid,sno,productid,productname,price,quantity,dateoforder) values('" + Label2.Text + "','" + dt.Rows[i]["sno"] + "','" + dt.Rows[i]["productid"] + "','" + dt.Rows[i]["productname"] + "','" + dt.Rows[i]["price"] + "','" + dt.Rows[i]["quantity"] + "','" + Label3.Text + "')";
            String mycon1 = "Data Source=localhost;Initial Catalog=E_resource;Integrated Security=True";
            SqlConnection s = new SqlConnection(mycon1);
            s.Open();
            SqlCommand cmd1 = new SqlCommand();
            cmd1.CommandText = updatepass;
            cmd1.Connection = s;
            cmd1.ExecuteNonQuery();
            s.Close();
        }
        saveaddress();
        Response.Redirect("PlacedSuccessfully.aspx");
    }

    protected void Button2_Click(object sender, EventArgs e)
    {
        Response.Redirect("orders.aspx");
    }
}

```

## Placed Order Success Page



## 9. Placed Order Success Page Codes.

```
<%@ Page Language="C#" AutoEventWireup="true" CodeFile="PlacedSuccessfully.aspx.cs" Inherits="PlacedSuccessfully" %>

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
    <style>
        .backgroundimage{
            font-family: 'Hind';
            background-color: #000;
            color: #fff;
            background-image: url('../images/backgrounds/back8.jpg');
            background-position: center center;
            background-repeat: repeat-y ;
            background-size: cover;
            padding-top: 54px;
            height:100%;
        }
    </style>
</head>
<body class="backgroundimage" style="opacity:0.8;">
    <form id="form1" runat="server">
        <div style="padding-left: 20%; padding-top: 0px; margin-top: 10px;">

            <h1 style="font-size: xx-large; color: #009933; font-weight: bold; font-style: italic; background-color: #FFFFFF; width:679px;opacity:0.9">&nbsp;E-Agriculture Resources</h1>

            <br />
            <br />
            <br />
            <br />
            <br />
            <br />
            <br />
            <br />
            <asp:Label ID="Label1" runat="server" Font-Bold="True" Font-Italic="True" Font-Size="XX-Large" ForeColor="#66FF33" Text="Your Order has been placed Successfully. Thanks"></asp:Label>

            <br />
            <br />
            <br />
            <br />
            <br />
            <br />
            <br />
            <asp:Button ID="Button1" runat="server" BackColor="#0033CC" BorderColor="White" BorderStyle="Double" Font-Bold="True" Font-Italic="False" Font-Size="X-Large" ForeColor="White" OnClick="Button1_Click" Text="Return Home" Width="679px" />
        </div>
    </form>
</body>
</html>
```

## 10. Database Tables

### Product List Table

	Column Name	Data Type	Allow Nulls
🔑	ProductID	int	<input type="checkbox"/>
	ProductName	varchar(50)	<input type="checkbox"/>
	Price	bigint	<input type="checkbox"/>
	ProductImage	varchar(50)	<input type="checkbox"/>
	ProductDetails	varchar(50)	<input type="checkbox"/>
	Discount		<input checked="" type="checkbox"/>
			<input type="checkbox"/>

	ProductID	ProductName	Price	ProductImage	ProductDetails	Discount
1	1004	Tractor	2000	images/backgrounds/product1/a.jpg	product1.aspx	12600
2	1006	Cultivator	1500	images/backgrounds/product2/a.jpg	product2.aspx	9450
3	1007	Plows	1300	images/backgrounds/product3/a.jpg	product3.aspx	8190
4	1010	Harvester	2000	images/backgrounds/product4/d.jpg	product4.aspx	12600
5	1011	Hand Tools	360	images/backgrounds/product5/a.jpg	product5.aspx	2268
6	1012	Modern Reaper Machine	2800	images/backgrounds/product6/d.jpg	product6.aspx	17640
7	1013	Grass Cutter	1000	images/backgrounds/product7/d.jpg	product7.aspx	6300
8	1019	Cotton Picker Machine	2100	images/backgrounds/product8/d.jpg	product8.aspx	13230
9	1022	Sprayers	300	images/backgrounds/product9/a.jpg	product9.aspx	1890

### Create User Account Table

	Column Name	Data Type	Allow Nulls
🔑	ID	int	<input type="checkbox"/>
	Name	varchar(50)	<input type="checkbox"/>
	Contact	varchar(50)	<input type="checkbox"/>
▶	Address	varchar(50)	<input type="checkbox"/>
	Email	varchar(50)	<input type="checkbox"/>
	password	varchar(50)	<input type="checkbox"/>
			<input type="checkbox"/>

### Login User Account Table

	Column Name	Data Type	Allow Nulls
🔑	ID	int	<input type="checkbox"/>
	Name	varchar(50)	<input type="checkbox"/>
	Username	varchar(50)	<input type="checkbox"/>
▶	Password	varchar(50)	<input type="checkbox"/>
			<input type="checkbox"/>

## Order Details Table

	Column Name	Data Type	Allow Nulls
►	orderid	varchar(50)	<input type="checkbox"/>
	sno	int	<input type="checkbox"/>
	productid	int	<input type="checkbox"/>
	productname	varchar(50)	<input type="checkbox"/>
	price	int	<input type="checkbox"/>
	quantity	int	<input type="checkbox"/>
	dateoforder	varchar(50)	<input type="checkbox"/>
			<input type="checkbox"/>

	orderid	sno	productid	productname	price	quantity	dateoforder
1	Order2256502842019lztgs	1	1004	Tractor	2000	1	4/28/2019
2	Order2256502842019lztgs	2	1004	Tractor	2000	1	4/28/2019
3	Order2256502842019lztgs	3	1010	Harvester	2000	1	4/28/2019
4	Order2353232842019gvf3v	1	1006	Cultivator	1500	1	4/28/2019
5	Order025242942019m7d2z	1	1006	Cultivator	1500	1	4/29/2019
6	Order0323529420192qymn	1	1004	Tractor	2000	1	4/29/2019
7	Order121142942019w6ah2	1	1006	Cultivator	1500	1	4/29/2019
8	Order122472942019hng7l	1	1004	Tractor	2000	1	4/29/2019
9	Order122472942019hng7l	2	1022	Sprayers	300	1	4/29/2019
10	Order122532942019pq2mx	1	1022	Sprayers	300	1	4/29/2019
11	Order122532942019pq2mx	2	1007	Plows	1300	1	4/29/2019

## Order Address Table

	Column Name	Data Type	Allow Nulls
►	orderid	varchar(50)	<input type="checkbox"/>
	address	varchar(200)	<input type="checkbox"/>
	mobilenumber	varchar(50)	<input type="checkbox"/>
			<input type="checkbox"/>

## **7. Validation Checks**

The term validation means checking. Whenever any person is going to develop any kinds of technology. There are many tools and organization, which are working to validate the work, which any one did. The purpose of validation means to check the source code of any project and determines the formatting and standard, which must be followed during the development of the project. When the project is not following the standards and formatting according to the standards of the organization. The validation of the project would have failed and it will not validate.

Validation can help to get better in search engines. When there are, any errors found in the code of the project it would affect the performance and make a big impact on the project. If the code is found invalid, it means that the project does not follow the rules and the project may not be validating.

### **Validation Practices:**

When the project having the standard and compliant code is the best practice for the validation. It encourages the best practices. While most of the organization are going to create the error-free, code and make few validation errors, and most of the developer make more errors. The validation practices can help most of the developer that learn from their mistakes.

### **Multiple Device Validation:**

According to our project, it is the most important validation. If we compare recent time with the last 15 years, there are big changes come in the technology field. In our project, we remove the device validation check. Because most of the users are going to use different devices like smartphones, tablets and much newer technology and they are accessing the internet through these different devices. Our project is related to the internet based, so any users can access it from any device and anywhere but he must have access to the internet. This is the positive point about our project that we remove the multiple device validation.

## **User Account validation:**

Our project has user account validation. Whenever any clients are going to access our website. They can access the main page but if they are ordering some product, they must create their user account and after creating the account then they can log in to their account and using the other features of our project. However, it is compulsory that they can create a valid account. If their account is not valid, they will not be able to log in.

## **8. Implementation and Maintenance**

### **Implementation:**

Implementation is the stage where the theoretical design is change to the practical system. First, we are going to gather the requirements. Before starting the implementation all, the requirements about your project must know. After the requirements gathering, we are going for the designing stage of our project where we are going to make the theoretical design of our project. We specify all the modules of our project and their relationship between the modules. Once the designing stage is complete then we start the implementation stage. In implementation, we are going to start the coding part of our project. In implementation, we convert the theoretical design of our project to the practical system. It is the most critical stage in which a new system is going to implement for achieving the goal successfully and it will be confirming that the system will work effectively. In this stage, we give the new system to the user or client for practical use.

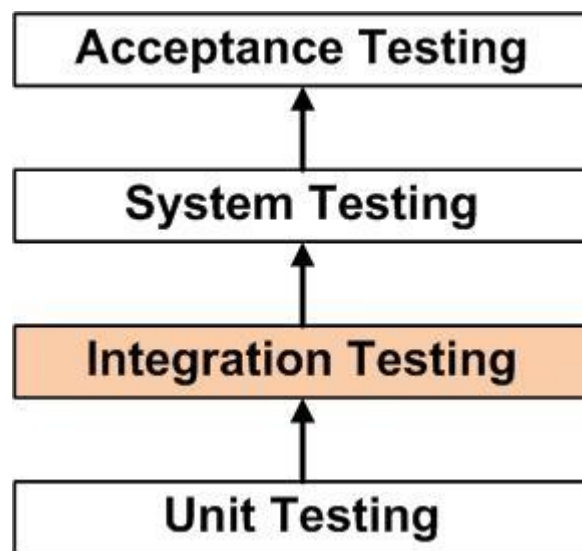
### **Maintenance:**

After implementation stage, the next phase is the maintenance stage. In maintenance, we are going to take care of the system. When the system is given to the client for the practical use, after some times the user find some bugs or the system is not capable to provide the desirable output for the client. The system is going to the maintenance stage. The developer tests the system again if it is possible that the bugs are solve in maintenance. If the bugs are not solving in maintenance, then the developer again go back to the designing stage. They are working on the designing stage once they fix the error in that stage. After fixing it there then again, the implementation stage is going to start and they bring changes in the system. After completing the implementation, the system in given to the client for the practical use. After some time, the system will need some updates or upgrade so in maintenance stage all these issues are going to be solve in the future.

## 9. System Testing

The main objective of testing is to find the bugs within the system. Testing is a lengthy and costly phase of system development. The system must be tested whether the user requirements have been full filled or not? whether the expected outputs of the system are the same as the actual outputs or not?

It takes different aspect in consideration like checking, the functionality of different modules in the system the, dependency of each module, the overall interoperability of subunits. Initially, we start testing process from unit testing, then we integrate the units and performing integration testing later on functional testing at the end testing process is going to end with overall system testing.



Definition by ISTQB (International Software Testing Qualifications Board)

There are different methodologies of testing a work product and types of the testing process on work product.

### Unit testing

In unit testing, the testing is done by the developer itself rather than tester because an individual component or module of the system/software will



be tested. It will perform basic tests on the small parts of the system whether its functions are accurate or not. That is why it is done by the developer he produces the system unit by unit.

## **Integration testing**

After each integration of unit, the system should be tested to verify the system is working as one piece or not. The objective of this test is to find out the fault in communication or interaction among different modules of the system.

## **Functional testing**

In the functional testing phase, the functional requirements of the are going to check. In this part testing, we work on test design. We are going to design test cases and test suits. Like:

Functional testing is determined on the basis of the below items:

Valid Input	: classes for the valid must be defined and accepted.
Invalid Input	: classes for the invalid must be defined and rejected.
Functions	: functions must be well defined and exercised.
Output	: classes of application outputs identified must be exercised.
Systems/Procedures	: interfacing procedures or systems must be called.

## **System Test**

In this phase of testing the tester ensures the entire system comprises of different parts or modules meet the requirements. It tests the complete functionality of the system to ensure known and predictable outputs.

## **Acceptance Testing**

It is the last stage of testing which is done by the clients or the user of the system. It verifies whether the business requirements are fulfilled or not.

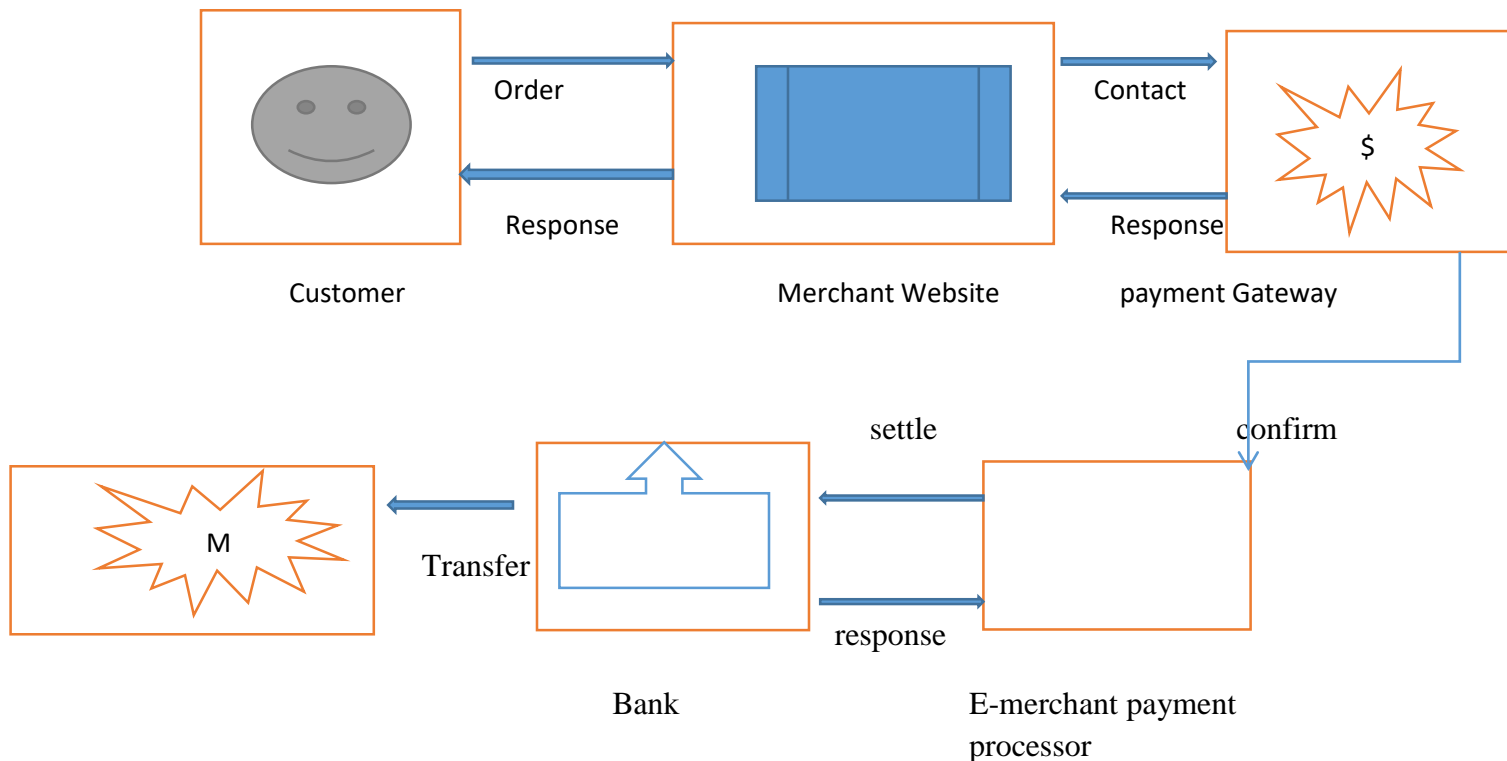
The clients will accept the system or software only when all the functions and features are working as it was expected.

## **Project Testing**

1. After we have completed the designing and coding phase we start through the project testing. In which we followed all the above testing procedures.
2. We start from the main page of the website whether links are working or not. Whether all the pages of the website are accessible? We did the same for all the available pages on the website.
3. Then we checked all the ASP.NET text box and Buttons are submitting the data to the database or not.
4. We have done the checking on login page what if the username or password is wrong. Whether it will redirect to the desired page on clicking log in button or not.
5. We have done the Compatibility testing or responsiveness of the website how it will look like in different screen view.
6. We have tested the overall functionality of the website whether it will work as we have expected in the design phase or not.
7. We have tested the website we the visual studio debugging tool and different browsers like Google Chrome, Mozilla Firefox, Microsoft Edge and so on.

## 10. System security measures

Security is one of the most difficult issues when we talk about E-resource sharing website. Cases like identity theft and payment duplicity are mostly increasing day by day in electronic payment segment. It is of utmost importance for a vendor to give his/her customers safe and secure environment.



In order to make sure there are proper security measure the vendor or owner should the following auditing to protect from all threats.

### 1. Monitored suspicious purchasing activity

As an owner of the resource you should be aware of the various types of suspicious activities that could be the main reason for duplicity.

### 2. Address verification system for all transaction

It is indeed important for the resource owners to predict and analyze that the person making the purchase is truly a cardholder. Various techniques can be utilized to prevent this fraud. Implementing the address verification system in the e-resource sharing site is the best way to analyze and verify the fraud. The system will check if the billing address is correct by verifying it with cardholder's data from the issuing bank. As a result, person with a stolen card or card number doesn't have the access to the wrong billing address.

Incorrect billing address may not necessarily mean that the transaction is fraudulent hence it is advisable to take additional security measures to identify the customer.

### 3. Safe login screen

Developing of E-resource sharing website mostly starts from the Login Page. It will be easy for the hackers to get access into sensitive data of the customers if you don't secure the login access to your website.

Implementing this safety protocol is somehow easy, but it can successfully protect many security issues.

But in our project we never had an online payment option therefore we used cash on delivery method which is more secure and easier for the clients who can't get access to online payment or do not have credit card or any other online payment option.

This is more secure since its cash on hand immediately after the vendor delivers the ordered tool by the customer.

## **11. Future scope of the project**

E-Agricultural Resource Sharing has vast scope right now it is vendor based in future it can be used client based those clients who have extra resources they can share them easily. For example, there is one farmer who has used his tractor for his own land but after completing his work it is completely free available for others to use. Due to the lack of opportunity or market the farmer cannot share his resources properly.

In the future, we can add one module to the website in which a registered farmer can share their resources with others for a fixed amount of time and money. The vendor of the website will put some percentage of charges on that.

## 12. References

### Text Book:

1. Beginning HTML, XHTML, CSS, and JavaScript by Jon Duckett
2. The CSS Anthology: 101 Essential Tips, Tricks & Hacks by Rachel Andrew
3. Beginning ASP.NET 3.5: In C# and VB
4. DATABASE SYSTEM CONCEPTS by HENRY F. KORTH, S. SUDARSHAN, ABRAHAM SILBERSCHATZ, MCGRAW HILL EDUCATION

### Website:

<https://www.w3schools.com>

<http://www.w3schools.com/css/default.asp>

<https://getbootstrap.com>

<http://www.webdevelopmenthelp.net>

<https://www.scribd.com/document/325317356/Lpu-Final-Year-CSE-Project-Example>

<https://www.olx.in>

<https://www.royalbrothers.com/bangalore/bike-rentals/tariff>