

**MINI PROJECT
ON
RECIPE SHARING
WEBSITE**

MINI PROJECT

Subject: ASP.NET Technology (6540)

Topic: Recipe Sharing Website

❖ **Team Members CM 3rd Year:**

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❖ **Aim:** To create Recipe Sharing Website using all ASP.NET concepts.

❖ **Software Requirements:**

S. No.	Name of Resource/material	Specifications
1	Computer System	AMZ Ryzen 3,Ram Minimum 2GB
2	Internet	Google, Firefox, Google chrome
3	Software	1.Visual Studio 2019 Community 2. MySQL (Xampp) 3. IIS server

❖ **Abstract:**

- This Recipe Sharing Website is created with Bootstrap , HTML and CSS as front end and C# as back end
- This Recipe Sharing Website allows user to Share their recipes with all the users of this website and also allows to rate them
- It also allows different users to search for new recipes using keywords and bookmark them as well as print them
- Thus this system will create opportunity for users to learn new recipes and enjoying them. And also it will help users to connect with other people

❖ **Introduction:**

- “Recipe Sharing Website” is designed as replacement for old cookbooks that needed to be written.
- The key objective of this project is to provide a platform for people to share and learn new recipes with an easy-to-use interface. And to bring-forth the new ideas other people come up with for the recipes. It saves users trouble of noting down every recipes.

❖ **Modules:**

1. Sign Up page Module (with input Validation)
2. Log In page Module (with input Validation)
3. Home Page
4. Create new Recipe Module
5. View Recipe Module (with edit, delete module)
6. Share Recipe Module (Share as mail, print module)
7. Profile Module (with adRotator below)
8. My Creations and Bookmarks Module

❖ **Module Description:**

1. Login Page Module:

Login Page allows login with their Username and Password, if user already has account on the website.

2. Sign Up Page:

User has to sign up with Username, Email, Password and Profile Photo, then only user can login to the website.

3. Home Page:

Home Page allows user to search for new recipes using the search bar in page. And the home page also provides the user with the Trending Recipes with most likes and recently created recipes.

4. Create new Recipe Page:

In Create New Recipe page User can create new Recipes with its Photos and share them with other users.

5. View Recipe Module (Edit, Delete Module)

In View Recipe Module, user can view the recipe and also the user is provided with Edit and Delete options for manipulating the Recipe if the recipe has been created by that user.

6. Share Recipe Module (Share as Mail)

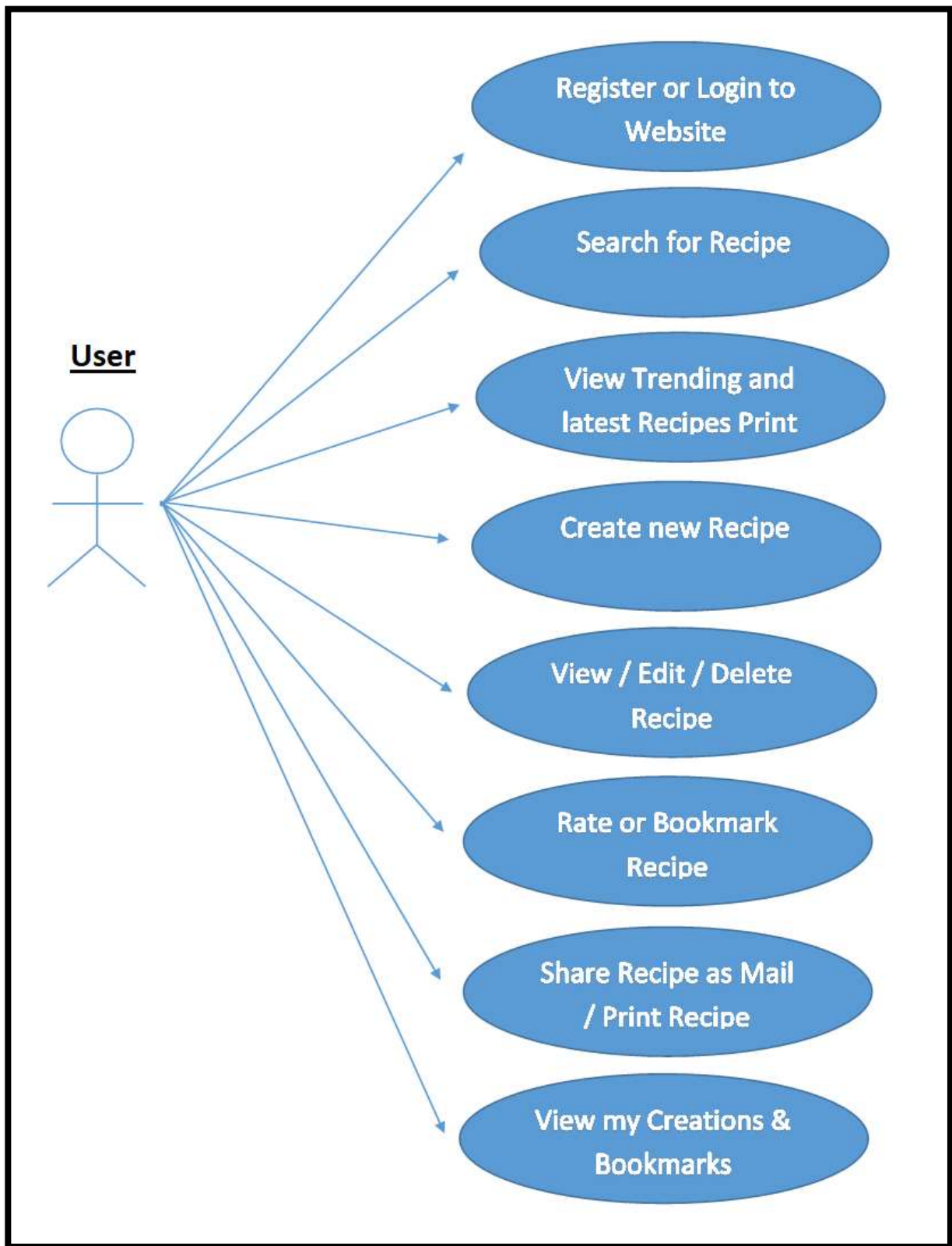
In View Recipe Module, user can view the recipe and also the user is provided with Edit and Delete options for manipulating the Recipe if the recipe has been created by that user.

7. Profile Module

In Profile Module, user can view their profile as well as others profile with their Profile Photo and their recipe Creations count, Following and Followers Count. And also adRotator is used for showing ads below the profile.

8. My Creations and Bookmarks Module

In this Module user can view their Recipe creations and their Bookmarks if they want.

❖ **Use Case Diagram:**

❖ **Code:****1. Sign Up Page Code:**➤ **Signup.aspx**

```

<% @ Page Language="C#" AutoEventWireup="true" CodeBehind="signup.aspx.cs"
Inherits="RecipeSharing.signup" %>

<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml" lang="en">
<head>
    <title>Sign Up Form </title>
    <link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/css/bootstrap.min.css">
    <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></script>
    <script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/js/bootstrap.min.js"></script>
    <link rel="stylesheet" href="fonts/material-icon/css/material-design-iconic-font.min.css">
    <link rel="stylesheet" href="css/style.css">
</head>
    <style>
    body {
        color:black;
        background-attachment: fixed;
        background-image: url('/Images/back.jpg');
    }</style>
    <script>function preview() {
        frame.src = URL.createObjectURL(event.target.files[0]);
    }</script>
<body>
    <nav class="navbar navbar-inverse">
        <div class="container-fluid"><div class="navbar-header">
            <button type="button" class="navbar-toggle" data-toggle="collapse" data-
target="#myNavbar">
                <span class="icon-bar"></span><span class="icon-bar"></span><span class="icon-
bar"></span>
            </button><a class="navbar-brand" href="#">DamnDelicious</a></div>
            <div class="collapse navbar-collapse" id="myNavbar">
                <ul class="nav navbar-nav">
                    <li class="active"><a href="home.aspx">Home</a></li>
                    <li><a href="createRecipe.aspx">Create Recipe</a></li>
                    <li><a href="myCreations.aspx">My Creations</a></li>
                    <li><a href="bookmarks.aspx">Bookmarks</a></li>
                </ul>
                <ul class="nav navbar-nav navbar-right"><li><a
href="myProfile.aspx">Profile</a></li></ul>
            </div></div>
        </nav><br>

        <div class="main" style="padding:40px;background-color:transparent;">
            <section class="signup">
                <div class="container text-center"><br>
                    
                    <form method="POST" runat="server" class="register-form" id="form1">
                    <div class="signup-content" style="padding:10px;"><div class="signup-form">

```

```

        <h2 class="form-title">Sign up</h2>
        <div class="form-group">
            <label for="your_name"><i class="zmdi zmdi-account material-icons-
name"></i></label>
            <asp:TextBox name="your_name" id="your_name" placeholder="UserName"
runat="server"></asp:TextBox>
            <asp:RequiredFieldValidator ID="RequiredFieldValidator1" runat="server"
Display="Dynamic" ForeColor="red" controlToValidate="your_name" ErrorMessage
="*Username is required"></asp:RequiredFieldValidator>
        </div>
        <div class="form-group">
            <label for="email"><i class="zmdi zmdi-email"></i></label>
            <asp:TextBox name="your_email" id="your_email" placeholder="Your Email"
runat="server"></asp:TextBox>
            <asp:RequiredFieldValidator ID="RequiredFieldValidator2" runat="server"
Display="Dynamic" ForeColor="red" controlToValidate="your_email" ErrorMessage="*Email is
Required" ></asp:RequiredFieldValidator>
            <asp:RegularExpressionValidator ID="RegularExpressionValidator1"
runat="server" ForeColor="red" ControlToValidate="your_email" Display="Dynamic"
ValidationExpression="\w+([-+.']\w+)*@\w+([-+.']\w+)*\.\w+([-+.']\w+)*" ErrorMessage="Please
Enter valid Email Address"></asp:RegularExpressionValidator>
        </div>
        <div class="form-group">
            <label for="your_pass"><i class="zmdi zmdi-lock"></i></label><br/>
            <asp:TextBox name="your_pass" id="your_pass" placeholder="Password"
runat="server"></asp:TextBox>
            <asp:RequiredFieldValidator ID="RequiredFieldValidator3" runat="server"
Display="Dynamic" ForeColor="red" controlToValidate="your_pass" ErrorMessage="*Password
is Required"></asp:RequiredFieldValidator>
            <asp:RegularExpressionValidator ID="RegularExpressionValidator2"
runat="server" ForeColor="red" controlToValidate="your_pass" Display="Dynamic"
ValidationExpression="^(?=.*\d)(?=.*[a-z])(?=.*[A-Z]).{4,8}$" ErrorMessage="Password length
4-8 charcaters.Include 1 uppercase,lowercase & digit"></asp:RegularExpressionValidator>
        </div>
        <div class="form-group">
            <label for="your_re_pass"><i class="zmdi zmdi-lock-
outline"></i></label><br/>
            <asp:TextBox name="your_re_pass" id="your_re_pass" placeholder="Repeat
your password" runat="server"></asp:TextBox>
            <asp:RequiredFieldValidator ID="RequiredFieldValidator4" runat="server"
Display="Dynamic" ForeColor="red" controlToValidate="your_re_pass"
ErrorMessage="*ReType Password is Required"></asp:RequiredFieldValidator>
            <asp:CompareValidator ID="CompareValidator1" runat="server"
Display="Dynamic" ForeColor="red" ErrorMessage="Password and ReType Password do not
match" ControlToCompare="your_pass"
ControlToValidate="your_re_pass"></asp:CompareValidator>
        </div>
        <div class="form-group form-button">
            <asp:Button runat="server" name="signUp" id="signupBtn" class="form-
submit" Text="Sign Up" OnClick="signupBtn_Click"/>
        </div>
    </div>
    <div class="signup-image">
        <div class="form-group">

```

```

        <asp:Image ID="frame" runat="server" width="250px" height="250px" /><br><br>
    />
        <asp:RequiredFieldValidator ID="RequiredFieldValidator5" runat="server"
ForeColor="red" controlToValidate="FileUpload1" ErrorMessage="*Profile Photo is
required"></asp:RequiredFieldValidator>
        <asp:FileUpload ID="FileUpload1" runat="server" Height="83px" class="form-
control-file" name="profilePhoto" onchange="preview()"/>
    </div>
    <a href="login.aspx" class="signup-image-link">I am already member</a>
</div></div>
</form></div>
</section>
</div>
<script src="vendor/jquery/jquery.min.js"></script>
<script src="js/main.js"></script>
</body>
</html>

```

➤ Signup.aspx.cs

```

using MySqlConnection;
using System;
using System.Collections.Generic;
using System.IO;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;

namespace RecipeSharing
{
    public partial class signup : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {
        }
        protected void signupBtn_Click(object sender, EventArgs e)
        {
            if (Page.IsValid)
            {
                using (MySqlConnection connection = new
MySqlConnection(@"server=localhost;userid=root;password=;database=recipes"))
                {
                    connection.Open();
                    using (MySqlCommand command = connection.CreateCommand())
                    {
                        string SQL = "SELECT * FROM Users where Username='" + your_name.Text + "'
and Password='" + your_pass.Text + "'";
                        command.CommandText = SQL;
                        MySqlDataReader dr = command.ExecuteReader();

                        if (dr.Read())
                        { ScriptManager.RegisterStartupScript(this, this.GetType(), "alert", "alert('User
already exists');window.location ='login.aspx';", true); }
                    }
                }
            }
        }
    }
}

```



```

else
{
    dr.Close();
    string contentType = FileUpload1.PostedFile.ContentType;
    Stream fs = FileUpload1.PostedFile.InputStream;
    BinaryReader br = new BinaryReader(fs);
    byte[] bytes = br.ReadBytes((Int32)fs.Length);

    SQL = "INSERT INTO `users` (`Username`,`Email`,`Password`,`ProfilePhoto`)
VALUES (@Username, @Email, @Password, @ProfilePhoto)";
    command.CommandText = SQL;
    command.Parameters.AddWithValue("@Username", your_name.Text);
    command.Parameters.AddWithValue("@Email", your_email.Text);
    command.Parameters.AddWithValue("@Password", your_pass.Text);
    command.Parameters.AddWithValue("@ProfilePhoto", bytes);

    try
    {
        command.ExecuteNonQuery();
        SQL = "SELECT * FROM Users where Username='" + your_name.Text + "'
and Password='" + your_pass.Text + "'";
        command.CommandText = SQL;
        dr = command.ExecuteReader();

        if (dr.Read())
        {
            Session["email"] = dr["Email"].ToString();
            Session["id"] = dr["UserId"];
            Response.Redirect("home.aspx");
        }
        else
        {
            ScriptManager.RegisterStartupScript(this, this.GetType(), "alert",
"alert('Incorrect Credentials');window.location='login.aspx';", true);
        }
        catch (Exception ex)
        {
            ScriptManager.RegisterStartupScript(this, this.GetType(), "alert", "alert('Failed
to Create User');window.location='signup.aspx';", true);
        }
        finally
        {
            connection.Close();
        }
    }
}
}
}
}
}
}
}
}

```

2. Login Page Code

➤ Login.aspx

```
<% @ Page Language="C#" AutoEventWireup="true" CodeBehind="login.aspx.cs"
Inherits="RecipeSharing.login" %>

<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml" lang="en">
<head runat="server">
    <title>Log InForm </title>
    <link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/css/bootstrap.min.css">
    <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></script>
    <script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/js/bootstrap.min.js"></script>
    <link rel="stylesheet" href="fonts/material-icon/css/material-design-iconic-font.min.css">
    <link rel="stylesheet" href="css/style.css">
</head>
<style>
    body {
        color: white;
        background-attachment: fixed;
        background-image: url('/Images/back.jpg');
    }</style>
<body>
    <nav class="navbar navbar-inverse">
        <div class="container-fluid"><div class="navbar-header"><button type="button"
class="navbar-toggle" data-toggle="collapse" data-target="#myNavbar">
            <span class="icon-bar"></span>
            <span class="icon-bar"></span>
            <span class="icon-bar"></span>
        </button><a class="navbar-brand" href="#">DamnDelicious</a></div>
        <div class="collapse navbar-collapse" id="myNavbar">
            <ul class="nav navbar-nav">
                <li class="active"><a href="home.aspx">Home</a></li>
                <li><a href="createRecipe.aspx">Create Recipe</a></li>
                <li><a href="myCreations.aspx">My Creations</a></li>
                <li><a href="bookmarks.aspx">Bookmarks</a></li>
            </ul>
            <ul class="nav navbar-nav navbar-right"><li><a
href="myProfile.aspx">Profile</a></li></ul></div></div>
    </nav><br>

    <div class="main" style="padding:40px;background-color:transparent;">
        <section class="sign-in"><div class="container text-center"><br>
            
            <div class="signin-content" style="padding:10px;" >
                <div class="signin-image">
                    <figure></figure>
                    <a href="signup.aspx" class="signup-image-link">Create an account</a>
                </div>

                <div class="signin-form"><h2 class="form-title">Log In</h2>
                    <form method="POST" runat="server" class="register-form" id="form1">
                        <div class="form-group">
```

```

        <label for="your_name"><i class="zmdi zmdi-account material-icons-
name"></i></label><br />
        <asp:TextBox ID="your_name" runat="server" name="your_name"
placeholder="Your Name"></asp:TextBox>
        <asp:RequiredFieldValidator ID="RequiredFieldValidator2" runat="server"
Display="Dynamic" ForeColor="red" ErrorMessage="*Username is required"
ControlToValidate="your_name">*</asp:RequiredFieldValidator>
    </div>
    <div class="form-group">
        <label for="your_pass"><i class="zmdi zmdi-lock"></i></label><br />
        <asp:TextBox ID="your_pass" name="your_pass" placeholder="Password"
runat="server"></asp:TextBox>
        <asp:RequiredFieldValidator ID="RequiredFieldValidator1" runat="server"
Display="Dynamic" ForeColor="red" ErrorMessage="*Password is required"
ControlToValidate="your_pass">*</asp:RequiredFieldValidator>
    </div>
    <div class="form-group form-button">
        <asp:Button ID="signin" runat="server" name="signin" class="form-submit"
Text="Log in" OnClick="signin_Click"/>
    </div>
</form>
<div class="social-login">
    <span class="social-label">Or login with</span>
    <ul class="socials">
        <li><a href="#"><i class="display-flex-center zmdi zmdi-
facebook"></i></a></li>
        <li><a href="#"><i class="display-flex-center zmdi zmdi-
twitter"></i></a></li>
        <li><a href="#"><i class="display-flex-center zmdi zmdi-
google"></i></a></li>
    </ul>
</div></div>
</div></div></section>
</div>
<script src="vendor/jquery/jquery.min.js"></script>
<script src="js/main.js"></script>
</body>
</html>

```

➤ Login.aspx.cs

```

using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
using System.Data.OleDb;
using MySqlConnection;

namespace RecipeSharing
{
    public partial class login : System.Web.UI.Page
    {

```

```

protected void Page_Load(object sender, EventArgs e)
{
}

protected void signin_Click(object sender, EventArgs e)
{
    if (Page.IsValid)
    {
        using (MySqlConnection connection = new
MySqlConnection(@"server=localhost;userid=root;password=;database=recipes"))
        {
            connection.Open();
            MySqlCommand command = connection.CreateCommand();
            string SQL = "SELECT * FROM Users where Username='" + your_name.Text + "'
and Password='" + your_pass.Text + "'";
            command.CommandText = SQL;
            MySqlDataReader dr = command.ExecuteReader();

            if (dr.Read())
            {
                Session["email"] = dr["Email"].ToString();
                Session["id"] = dr["UserId"];
                Response.Redirect("home.aspx");
            }
            else
            {
                Response.Write("<script>Alert('Incorrect Credentials or User doesn't
exist');</script>");
            }
            dr.Close();
            connection.Close();
        }
    }
}
}
}

```

3. Home Page Code

➤ Home.aspx

```
<% @ Page Language="C#" AutoEventWireup="true" CodeBehind="home.aspx.cs"
Inherits="RecipeSharing.home" %>

<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml" lang="en">
<head>
  <title>Bootstrap Example</title>
  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width, initial-scale=1">
  <link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/css/bootstrap.min.css">
  <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></script>
  <script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/js/bootstrap.min.js"></script>
  <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-
awesome.min.css">
  <style>
    body { color: white;background-attachment: fixed;background-image:
url('/Images/back.jpg');}
    .navbar { margin-bottom: 0;border-radius: 0;}
    img { border-radius:5px;border:2px solid white;}
    footer {background-color: #f2f2f2;color:black;padding: 15px;}
    .recipe{ width:300px; }
  </style>
</head>
<body align="center">
  <nav class="navbar navbar-inverse">
    <div class="container-fluid">
      <div class="navbar-header">
        <button type="button" class="navbar-toggle" data-toggle="collapse" data-
target="#myNavbar">
          <span class="icon-bar"></span><span class="icon-bar"></span><span class="icon-
bar"></span>
        </button><a class="navbar-brand" href="#">DamnDelicious</a></div>
      <div class="collapse navbar-collapse" id="myNavbar">
        <ul class="nav navbar-nav">
          <li class="active"><a href="home.aspx">Home</a></li>
          <li><a href="createRecipe.aspx">Create Recipe</a></li>
          <li><a href="myCreations.aspx">My Creations</a></li>
          <li><a href="bookmarks.aspx">Bookmarks</a></li>
        </ul>
        <ul class="nav navbar-nav navbar-right">
          <li><a href="myProfile.aspx">Profile</a></li>
          <li><a href="logout.aspx"><span class="glyphicon glyphicon-log-in"></span>
Logout</a></li>
        </ul></div></div>
    </nav><br><br />

    <div class="container" style="background-image:url('/Images/homeback.jpg');background-
size:100%;padding:180px 150px; color:black;">
      <div class="brand"><h1>Damn Delicious</h1>
      <h4>A Recipe has no Soul<br>You as the Cook, must bring the Soul to the Recipe</h4>
```

```

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

<div class="container" style="width:500px;">
    <form method="post" action="home.aspx"><div class="input-group">
        <input ID="search" name="search" class="form-control" placeholder="Search"></input>
        <div class="input-group-btn">
            <button ID="searchBtn" class="btn btn-primary" ><i class="glyphicon glyphicon-
search"></i></button>
        </div></div>
    </form>
</div>
<div class="container-fluid bg-3 text-center" style="margin:10px 30px;padding:30px 50px;"
id="Content" runat="server">
    <form id="form1" runat="server" >
        <div class="row" style="color:black;" id="trending" runat="server" >
            </div>
        <div class="row" id="latestCreations" runat="server" style="color:black;">
            </div> <br><br>
    </form></div>
<div>
    <form><button formaction="createRecipe.aspx" class="btn btn-primary" style="position:
fixed; bottom: 20px; right:20px; margin-left: -104.5px; border-radius: 50%;"><i style="font-
size:30px" class="fa fa-plus fa-6" aria-hidden="true"></i></button></form>
</div>
<footer class="container-fluid text-center">p>Copyright</p></footer>
</body>
</html>

```

➤ Home.aspx.cs

```

using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
using System.Data.OleDb;
using MySqlConnection;

namespace RecipeSharing
{
    public partial class home : System.Web.UI.Page
    {
        protected void Page_Init(object sender, EventArgs e)
        {
            if (Session["id"] != null)
            {
                using (MySqlConnection connection = new
MySqlConnection(@"server=localhost;userid=root;password=;database=recipes"))
                {
                    connection.Open();
                    MySqlCommand command = connection.CreateCommand();
                    if (Request.Form["search"] != null)
                    {

```

```

string SQL = "SELECT DISTINCT * FROM recipes Join users where
recipes.CreatorId=users.UserId and (RecipeName LIKE '%' + Request.Form["search"] + "%' OR
Description LIKE '%' + Request.Form["search"] + "%)";
command.CommandText = SQL;
MySqlDataReader dr = command.ExecuteReader();
string searchresulthtml = " <form id='form1' runat='server' method='post'
action='recipe.aspx'>" +
    "<h3><b>Search Results For \"<u>" + Request.Form["search"] +
    "</u>\"</b></h3><hr><br>" +
    "<div class='row' style='color:black;'>";
while (dr.Read())
{
    byte[] bytes = (byte[])dr["RecipeImage"];
    string base64String = Convert.ToBase64String(bytes, 0, bytes.Length);
    searchresulthtml = searchresulthtml + "<div class='col-sm-3' style='margin:15px
0px;'><button type='submit' class='recipe' formaction='recipe.aspx?recipeid=" +
    dr["RecipeId"]+"\">" +
        "<img src=\"" + "data:image/png;base64," + base64String + "\" width='280'
height='220'><h4><b>" + dr["RecipeName"] + "</b></h4>" +
        "<p>BY " + dr["Username"] + "</p>" +
        "<i class='fa fa-thumbs-up fa-3' aria-hidden='true'>" + dr["Likes"] + "</i>" +
        "</button></div>";
}
Content.InnerHtml = searchresulthtml + "</div></div><br><br></form>";
dr.Close();
}
else
{
    string SQL = "SELECT * FROM recipes Join users where
recipes.CreatorId=users.UserId Order By Likes Desc LIMIT 4 ";
    command.CommandText = SQL;

    MySqlDataReader dr = command.ExecuteReader();
    string trendinghtml = " <h3 style='color:white;'><b>Trending</b></h3><br>";
    while (dr.Read())
    {
        byte[] bytes = (byte[])dr["RecipeImage"];
        string base64String = Convert.ToBase64String(bytes, 0, bytes.Length);
        trendinghtml = trendinghtml + "<div class='col-sm-3' style='margin:15px
0px;'><button type='submit' class='recipe' formaction='recipe.aspx?recipeid=" + dr["RecipeId"] +
        "\">" +
            "<img src=\"" + "data:image/png;base64," + base64String + "\" width='280'
height='220'><h4><b>" + dr["RecipeName"] + "</b></h4>" +
            "<p>BY " + dr["Username"] + "</p>" +
            "<i class='fa fa-thumbs-up fa-3' aria-hidden='true'>" + dr["Likes"] + "</i>" +
            "</button></div>";
    }
    trending.InnerHtml = trendinghtml;
    dr.Close();

    string SQL2 = "SELECT * FROM recipes Join users where
recipes.CreatorId=users.UserId Order By RecipeId Desc LIMIT 4";
    command.CommandText = SQL2;
    string latestCreationhtml = "<h3 style='color:white;'><b>Latest
Creations</b></h3><br>";

```

```

dr = command.ExecuteReader();
while (dr.Read())
{
    byte[] bytes = (byte[])dr["RecipeImage"];
    string base64String = Convert.ToBase64String(bytes, 0, bytes.Length);
    latestCreationhtml = latestCreationhtml + "<div class='col-sm-3'
style='margin:15px 0px;height:400px'><button type='submit' class='recipe'
formaction='recipe.aspx?recipeid=" + dr["RecipeId"] + ">" +
    "<img src='" + "data:image/png;base64," + base64String + "' width='280'
height='220'><h4><b>" + dr["RecipeName"] + "</b></h4>" +
    "<p>BY " + dr["Username"] + "</p>" +
    "<i class='fa fa-thumbs-up fa-3' aria-hidden='true'> " + dr["Likes"] + " </i>" +
    "</button></div>";
}
latestCreations.InnerHtml = latestCreationhtml;
dr.Close();
connection.Close();
}
}
else
{
    Response.Write("<script>Alert('Sorry But not logged In!!');</script>");
    Response.Redirect("login.aspx");
}
}
}
}

```


4. Create New Recipe Code And Edit Recipe Code

➤ CreateRecipe.aspx

```
<% @ Page Language="C#" AutoEventWireup="true" CodeBehind="createRecipe.aspx.cs"
Inherits="RecipeSharing.createRecipe" %>

<!DOCTYPE html>
<html lang="en">
<head><title>Bootstrap Example</title>
  <link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/css/bootstrap.min.css">
  <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></script>
  <script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/js/bootstrap.min.js"></script>
  <style>
    body { color:white;background-attachment:fixed;text-align:center;background-
image:url('/Images/back.jpg');}
    .navbar {margin-bottom: 0;border-radius: 0;}
    textarea {margin-bottom:25px;resize: vertical;}
    footer {background-color: #f2f2f2;color:black;padding: 15px;}
  </style>
  <script>function preview() {
    frame.src = URL.createObjectURL(event.target.files[0]);
  }</script>
</head>
<body >
  <nav class="navbar navbar-inverse">
    <div class="container-fluid">
      <div class="navbar-header"><button type="button" class="navbar-toggle" data-
toggle="collapse" data-target="#myNavbar">
        <span class="icon-bar"></span>
        <span class="icon-bar"></span>
        <span class="icon-bar"></span>
      </button><a class="navbar-brand" href="#">DamnDelicious</a></div>
      <div class="collapse navbar-collapse" id="myNavbar">
        <ul class="nav navbar-nav">
          <li><a href="home.aspx">Home</a></li>
          <li class="active"><a href="createRecipe.aspx">Create Recipe</a></li>
          <li><a href="myCreations.aspx">My Creations</a></li>
          <li><a href="following.aspx">Following</a></li>
          <li><a href="bookmarks.aspx">Bookmarks</a></li>
        </ul>
        <ul class="nav navbar-nav navbar-right">
          <li><a href="myProfile.aspx">Profile</a></li>
          <li><a href="logout.aspx"><span class="glyphicon glyphicon-log-in"></span>
Logout</a></li>
        </ul>
      </div> </div>
    </nav><br>
    <div class="container text-center">
      <form id="form1" runat="server">
        <h1 id="header" runat="server" style="padding:20px;border:2px solid white;"><b>Create
New Recipe</b></h1><br><br />
        <div class="row" style="margin:0px 60px">
```

```

<div class="col-sm-3"><div class="form-group">
  <asp:Image ID="frame" runat="server" width="250px" height="250px" /><br><br />
  <asp:FileUpload ID="FileUpload1" runat="server" class="form-control-file"
name="recipeImage" onchange="preview()"/>
  <asp:RequiredFieldValidator ID="RequiredFieldValidator5" runat="server"
ForeColor="White" Display="Dynamic" ControlToValidate="FileUpload1"
ErrorMessage="RecipeImage required"></asp:RequiredFieldValidator>
</div></div>
<div class="col-sm-9">
  <div class="form-group"><label class="control-label col-sm-3" for="recipeName">Recipe
Name :</label>
  <div class="col-sm-9">
    <asp:TextBox id="recipeName" runat="server" class="form-control"
placeholder="Enter Recipe Name"></asp:TextBox>
    <asp:RequiredFieldValidator ID="RequiredFieldValidator1"
controlToValidate="recipeName" ForeColor="White" Display="Dynamic" runat="server"
ErrorMessage="Recipe name required"></asp:RequiredFieldValidator>
  </div></div><br><br>
  <div class="form-group">
    <label class="control-label col-sm-3" for="description">Description :</label>
    <div class="col-sm-9">
      <asp:TextBox runat="server" TextMode="MultiLine" class="form-control"
id="description" name="description" placeholder="Enter Description"
Height="200px"></asp:TextBox>
      <asp:RequiredFieldValidator ID="RequiredFieldValidator2" runat="server"
ForeColor="White" Display="Dynamic" controlToValidate="description"
ErrorMessage="Description required"></asp:RequiredFieldValidator>
    </div></div>
  </div> </div><hr />
  <div><br>
    <div class="form-group"> <label class="control-label col-sm-2"
for="ingredients">Ingredients :</label><div class="col-sm-10">
      <asp:TextBox runat="server" TextMode="MultiLine" class="form-control"
id="ingredients" name="ingredients" placeholder="Enter Ingredients"></asp:TextBox>
      <asp:RequiredFieldValidator ID="RequiredFieldValidator3" runat="server"
ForeColor="White" Display="Dynamic" ControlToValidate="ingredients"
ErrorMessage="Ingredients Required"></asp:RequiredFieldValidator>
    </div></div><br><br>
    <div class="form-group"><br><br><label class="control-label col-sm-2"
for="directions">Directions :</label>
    <div class="col-sm-10">
      <asp:TextBox runat="server" TextMode="MultiLine" class="form-control"
id="directions" name="directions" rows="15" placeholder="Enter Directions"></asp:TextBox>
      <asp:RequiredFieldValidator ID="RequiredFieldValidator4" runat="server"
ForeColor="White" Display="Dynamic" ControlToValidate="directions"
ErrorMessage="Directions required"></asp:RequiredFieldValidator></div>
    </div><br><br>
    <div class="form-group"><div class="col-sm-offset-2 col-sm-10">
      <asp:button runat="server" id="createRecipeBtn" onClick="createRecipeBtn_Click"
Height=40px Width=90px class="btn btn-primary" Text="Submit"></asp:button>
    </div></div>
  </div>
</form></div><br><br><br>
  <footer class="container-fluid text-center"><p>Copyright</p></footer>
</body></html>

```

➤ CreateRecipe.aspx.cs

```

using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
using System.Data.OleDb;
using System.IO;
using MySqlConnector;

namespace RecipeSharing
{
    public partial class createRecipe : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {
            if (Session["id"] != null)
            {
                if (Request.QueryString["recipeid"] != null)
                {
                    using (MySqlConnection connection = new
MySqlConnection(@"server=localhost;userid=root;password=;database=recipes"))
                    {
                        header.InnerText = "Edit Recipe";
                        connection.Open();
                        MySqlCommand command = connection.CreateCommand();
                        string SQL = "SELECT * FROM recipes where RecipeId=" +
Request.QueryString["recipeid"];
                        command.CommandText = SQL;
                        MySqlDataReader dr = command.ExecuteReader();
                        dr.Read();
                        byte[] bytes = (byte[])dr["RecipeImage"];
                        string base64String = Convert.ToBase64String(bytes, 0, bytes.Length);
                        frame.ImageUrl = "data:image/png;base64," + base64String;
                        recipeName.Text = dr["RecipeName"].ToString();
                        description.Text = dr["Description"].ToString();
                        ingredients.Text = dr["Ingredients"].ToString();
                        directions.Text = dr["Directions"].ToString();
                    }
                }
            }
            else
            {Response.Redirect("login.aspx");}
        }

        protected void createRecipeBtn_Click(object sender, EventArgs e)
        {
            if (Session["id"] != null)
            {
                using (MySqlConnection connection = new
MySqlConnection(@"server=localhost;userid=root;password=;database=recipes"))
                {connection.Open();

```

```

using (MySQLCommand command = connection.CreateCommand())
{
    if (Request.QueryString["recipeid"] != null)
    {
        string contentType = FileUpload1.PostedFile.ContentType;
        Stream fs = FileUpload1.PostedFile.InputStream;
        BinaryReader br = new BinaryReader(fs);
        byte[] bytes = br.ReadBytes((Int32)fs.Length);

        string SQL = "Update recipes set
RecipeName=@RecipeName,RecipeImage=@Photo,Description=@Description," +
        "Ingredients=@Ingredients,Directions=@Directions where
RecipeId=@RecipeId";
        command.CommandText = SQL;
        command.Parameters.AddWithValue("@RecipeName", recipeName.Text);
        command.Parameters.AddWithValue("@Photo", bytes);
        command.Parameters.AddWithValue("@Description", description.Text);
        command.Parameters.AddWithValue("@Ingredients", ingredients.Text);
        command.Parameters.AddWithValue("@Directions", directions.Text);
        command.Parameters.AddWithValue("@RecipeId", Request.QueryString["recipeid"]);
        command.ExecuteReader();
        connection.Close();
        ScriptManager.RegisterClientScriptBlock(this, this.GetType(), "alertMessage",
"alert('Recipe edited Successfully');window.location ='home.aspx';", true);
    }
    else
    {
        string contentType = FileUpload1.PostedFile.ContentType;
        Stream fs = FileUpload1.PostedFile.InputStream;
        BinaryReader br = new BinaryReader(fs);
        byte[] bytes = br.ReadBytes((Int32)fs.Length);
        string SQL = "INSERT INTO `recipes` (`RecipeName`,
`RecipeImage`, `Description`, `Ingredients`, `Directions`, `CreatorId`) VALUES (@RecipeName,
@Photo,@Description, @Ingredients, @Directions,@CreatorId)";
        command.CommandText = SQL;
        command.Parameters.AddWithValue("@RecipeName", recipeName.Text);
        command.Parameters.AddWithValue("@Photo", bytes);
        command.Parameters.AddWithValue("@Description", description.Text);
        command.Parameters.AddWithValue("@Ingredients", ingredients.Text);
        command.Parameters.AddWithValue("@Directions", directions.Text);
        command.Parameters.AddWithValue("@CreatorId", Session["Id"]);

        try
        {
            command.ExecuteNonQuery();
            ScriptManager.RegisterClientScriptBlock(this, this.GetType(), "alertMessage",
"alert('Recipe Created Successfully');window.location ='home.aspx';", true);
        }
        catch (Exception ex)
        {
            ScriptManager.RegisterClientScriptBlock(this, this.GetType(), "alertMessage",
"alert('Failed to Create Recipe');window.location ='home.aspx';", true);
        }
        finally
        {
            connection.Close();
        }
    }
}
}
else
{
    Response.Redirect("login.aspx");
}
}
}

```

5. View Recipe and Delete Recipe Code

And

6. Share Recipe as Mail Code

➤ Recipe.aspx

```
<% @ Page Language="C#" AutoEventWireup="true" CodeBehind="recipe.aspx.cs"
Inherits="RecipeSharing.recipe" %>

<html xmlns="http://www.w3.org/1999/xhtml" lang="en">
<head runat="server">
  <title>Bootstrap Example</title>
  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width, initial-scale=1">
  <link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/css/bootstrap.min.css">
  <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></script>
  <script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/js/bootstrap.min.js"></script>
  <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-
awesome.min.css">
  <style>
    body { color:black;background-attachment: fixed;background-image: url('./Images/back.jpg');}
    .navbar {margin-bottom: 0;border-radius: 0;}
    hr {border-top:2px solid black;}
    .profileImg {border:1px solid black; border-radius:40px;height:80px;width:80px;}
    footer {background-color: #f2f2f2;color:black;padding: 15px;}
  </style>
  <script language="javascript" type="text/javascript">
function confirmDelete() {
  if (confirm("Are you sure you want to delete!"))
    return true;
  return false;
}

function promptEmail()
{
  var email = prompt("Enter Receiver Email Address");
  if (email.length === 0) {
    alert("Please enter a email.");
    return false;
  }
  document.getElementById('<% =receiverEmail.ClientID %>').value = email;
  return true;
}
  </script>
</head>
<body align="center">

  <nav class="navbar navbar-inverse">
    <div class="container-fluid">
      <div class="navbar-header">
```

```

<button type="button" class="navbar-toggle" data-toggle="collapse" data-
target="#myNavbar">
    <span class="icon-bar"></span>
    <span class="icon-bar"></span>
    <span class="icon-bar"></span>
</button><a class="navbar-brand" href="#">DamnDelicious</a></div>
<div class="collapse navbar-collapse" id="myNavbar">
    <ul class="nav navbar-nav">
        <li class="active"><a href="home.aspx">Home</a></li>
        <li><a href="createRecipe.aspx">Create Recipe</a></li>
        <li><a href="myCreations.aspx">My Creations</a></li>
        <li><a href="bookmarks.aspx">Bookmarks</a></li>
    </ul>
    <ul class="nav navbar-nav navbar-right">
        <li><a href="myProfile.aspx">Profile</a></li>
        <li><a href="logout.aspx"><span class="glyphicon glyphicon-log-in"></span>
Logout</a></li>
    </ul>
</div></div>
</nav><br>
<div class="container text-center" style="border:2px double white;border-
radius:10px;padding:30px; background-color:white;color:black;">
    <form id="form1" runat="server" method="post">
        <h1 style="padding:20px;border:2px solid black;"><asp:Label ID="RecipeName"
runat="server" Text="Label"></asp:Label></h1><br><br>
        <div class="row" style="margin:0px 180px;border-radius:10px;background-
color:black;color:white;" id="CreatorInfo" runat="server">
            <div class="col-sm-2"><asp:Image runat="server" id="profilePhoto"
class="profileImg" alt="Image"/></div>
            <div class="col-sm-8"><br>
                <h4><asp:Label ID="username" runat="server" Text="Label"></asp:Label></h4>
            </div>
            <div class="col-sm-2"><br>
                <asp:button Id="goToProfileBtn" class="btn btn-success" Text="Go to Profile"
runat="server" OnClick="goToProfileBtn_Click"/>
            </div>
            </div>
            <div class="row" style="margin:15px 20px; ">
                <div class="col-sm-4"><asp:Image id="recipeImage" runat="server" width="300px"
height="300px"/><br><br></div>
                <div class="col-sm-8" style="text-align:left;padding:0px;">
                    <asp:LinkButton ID="EditBtn" class="btn btn-primary" runat="server"
OnClick="EditBtn_Click" >Edit</asp:LinkButton>&nbsp; &nbsp; &nbsp; &nbsp;
                    <asp:LinkButton ID="DelBtn" class="btn btn-danger" runat="server"
OnClientClick="return confirmDelete();"
onClick="DelBtn_Click">Delete</asp:LinkButton>&nbsp; &nbsp; &nbsp; &nbsp;
                    <asp:LinkButton ID="printBtn" class="btn btn-success" runat="server" Text="Print"
OnClientClick="window.print()" />&nbsp; &nbsp; &nbsp; &nbsp; &nbsp;
                    <asp:LinkButton ID="mailBtn" class="btn btn-danger" runat="server" Text="Share as
Mail" OnClientClick="return promptEmail()" OnClick="mailBtn_Click" />
                    <asp:HiddenField runat="server" ID="receiverEmail" />
                </div>
                <hr/><h3><b><u>Description</u></b></h3>
                <asp:Label ID="description" runat="server" Text="Label"></asp:Label><br /><hr><br>

```

```

        <asp:LinkButton Id="LikeBtn" class="btn btn-primary" runat="server"
OnClick="LikeBtn_Click"><i class='fa fa-thumbs-up fa-3' aria-hidden='true'>
Like</i></asp:LinkButton>&nbsp; &nbsp;
        <br/><br/>
        <asp:LinkButton id="BookmarkBtn" class="btn btn-success" runat="server"
OnClick="BookmarkBtn_Click"><i class='fa fa-bookmark fa-3' aria-hidden='true'> Add to
Bookmarks</i></asp:LinkButton><br><br>
    </div>
</div><hr>
<div class="text-left ">
    <h3><b><u>Ingredients</u></b></h3>
    <asp:Label ID="ingredients" runat="server" Text="Label"></asp:Label><br><br>
    <h3><b><u>Directions</u></b></h3>
    <asp:Label ID="directions" runat="server" Text="Label"></asp:Label>
</div>
</form>
</div><br><br><br>
<footer class="container-fluid text-center"><p>Copyright</p></footer>
</body>
</html>

```

➤ Recipe.aspx.cs

```

using iTextSharp.text;
using iTextSharp.text.html.simpleparser;
using iTextSharp.text.pdf;
using MySqlConnection;
using System;
using System.Collections.Generic;
using System.IO;
using System.Linq;
using System.Net;
using System.Net.Mail;
using System.Text;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;

namespace RecipeSharing
{
    public partial class recipe : System.Web.UI.Page
    {
        private string creatorId;
        private string recipeId;
        private byte[] recipeImageByte;
        protected void Page_Load(object sender, EventArgs e)
        {
            if (Session["id"] != null)
            {
                using (MySqlConnection connection = new
MySqlConnection(@"server=localhost;userid=root;password=;database=recipes"))
                {
                    connection.Open();
                    MySqlCommand command = connection.CreateCommand();
                    string SQL = "SELECT * FROM recipes where
RecipeId="+Request.QueryString["recipeid"];

```

```

        command.CommandText = SQL;
        MySqlDataReader dr = command.ExecuteReader();
        dr.Read();
        recipeImageByte = (byte[])dr["RecipeImage"];
        string base64String = Convert.ToBase64String(recipeImageByte, 0,
recipeImageByte.Length);
        recipeImage.ImageUrl = "data:image/png;base64," + base64String;
        recipeId = dr["RecipeId"].ToString();
        RecipeName.Text = dr["RecipeName"].ToString();
        description.Text = dr["Description"].ToString().Replace("\n", "<br>");
        ingredients.Text = "<ul><li>" + dr["Ingredients"].ToString().Replace("\n",
"</li><li>") + "</ul>";
        directions.Text = dr["directions"].ToString().Replace("\n", "<br>");
        if (Session["id"].Equals(dr["CreatorId"]))
        {
            EditBtn.Visible = true;
            DelBtn.Visible = true;
            CreatorInfo.Visible = false;
        }
        else {
            CreatorInfo.Visible = true;
            EditBtn.Visible = false;
            DelBtn.Visible = false;
        }
        SQL = "SELECT UserId,Username,ProfilePhoto FROM users where
UserId=" + dr["CreatorId"];
        dr.Close();
        command.CommandText = SQL;
        dr = command.ExecuteReader();
        dr.Read();
        byte[] bytes1 = (byte[])dr["ProfilePhoto"];
        string base64String2 = Convert.ToBase64String(bytes1, 0, bytes1.Length);
        profilePhoto.ImageUrl = "data:image/png;base64," + base64String2;
        username.Text = dr["Username"].ToString();
        creatorId = dr["UserId"].ToString();
        dr.Close();
        connection.Close();
    }
}
else
{
    ScriptManager.RegisterStartupScript(this, this.GetType(), "alert", "alert('Sorry But not
logged In');window.location='login.aspx';", true);
}

protected void BookmarkBtn_Click(object sender, EventArgs e)
{
    using (MySqlConnection connection = new
MySqlConnection(@"server=localhost;userid=root;password=;database=recipes"))
    {
        try
        {
            connection.Open();
            MySqlCommand command = connection.CreateCommand();
            string SQL = "Update users set Bookmarks=concat(Bookmarks,'" + recipeId + "','" +
where UserId=" + Session["id"];
            command.CommandText = SQL;

```



```

        command.ExecuteReader();
        connection.Close();
    }
    catch (Exception ex)
    {Response.Write(ex+" ");}
    }
}

protected void goToProfileBtn_Click(object sender, EventArgs e)
{
    Response.Redirect("othersProfile.aspx?id="+creatorId);
}

protected void LikeBtn_Click(object sender, EventArgs e)
{
    using (MySqlConnection connection = new
MySqlConnection(@"server=localhost;userid=root;password=;database=recipes"))
    {
        try
        {
            connection.Open();
            MySqlCommand command = connection.CreateCommand();
            string SQL = "Update recipes set Likes=Likes+1 where RecipeId=" + recipeId;
            command.CommandText = SQL;
            command.ExecuteReader();
            connection.Close();
        }
        catch (Exception ex)
        {Response.Write(ex + " "); }
    }
}

protected void DelBtn_Click(object sender, EventArgs e)
{
    using (MySqlConnection connection = new
MySqlConnection(@"server=localhost;userid=root;password=;database=recipes"))
    {
        try
        {
            connection.Open();
            MySqlCommand command = connection.CreateCommand();
            string SQL = "Delete From Recipes where RecipeId=" + recipeId;
            command.CommandText = SQL;
            command.ExecuteReader();
            connection.Close();
            ScriptManager.RegisterStartupScript(this, this.GetType(), "alert", "alert('Deleted
Successfully');window.location='home.aspx';", true);
        }
        catch (Exception ex)
        {Response.Write(ex + " ");}
    }
}

protected void mailBtn_Click(object sender, EventArgs e)
{
    using (StringWriter sw = new StringWriter())
    {
        using (HtmlTextWriter hw = new HtmlTextWriter(sw))

```

```

    {
        StringBuilder sb = new StringBuilder();
        sb.Append("<table width='100%' cellpadding='2'>");
        sb.Append("<tr><td colspan = '2'><b>Recipe Name : </b> " + RecipeName.Text +
"</td></tr>");
        sb.Append("<tr><td colspan = '2'><b>Description : </b><br> " +
description.Text+"</td></tr>");
        sb.Append("<tr><td colspan = '2'><b>Ingredients : </b><br> " + ingredients.Text +
"</td></tr>");
        sb.Append("<tr><td colspan = '2'><b>Directions : </b><br> " + directions.Text +
"</td></tr>");
        sb.Append("</table>");
        StringReader sr = new StringReader(sb.ToString());

        Document pdfDoc = new Document(PageSize.A4, 10f, 10f, 10f, 0f);
        HTMLWorker htmlparser = new HTMLWorker(pdfDoc);
        using (MemoryStream memoryStream = new MemoryStream())
        {
            PdfWriter writer = PdfWriter.GetInstance(pdfDoc, memoryStream);
            pdfDoc.Open();
            htmlparser.Parse(sr);
            pdfDoc.Close();
            byte[] bytes = memoryStream.ToArray();
            memoryStream.Close();
            MailMessage mm = new MailMessage(Session["email"].ToString(),
receiverEmail.Value);
            mm.Subject = RecipeName.Text+" recipe";
            mm.Body = "Have a look at the Recipe";
            mm.Attachments.Add(new Attachment(new MemoryStream(bytes), "Recipe.pdf"));
            mm.IsBodyHtml = true;
            SmtpClient smtp = new SmtpClient();
            smtp.Host = "smtp.gmail.com";
            smtp.EnableSsl = true;
            NetworkCredential NetworkCred = new NetworkCredential();
            NetworkCred.UserName = Session["email"];
            NetworkCred.Password = "XXXXXXXXXXXXXXXXXX";
            smtp.UseDefaultCredentials = true;
            smtp.Credentials = NetworkCred;
            smtp.Port = 587;
            smtp.Send(mm);
            ScriptManager.RegisterStartupScript(this, this.GetType(), "popup", "alert('Recipe
has been sent to mail successfully');", true);
        }
    }
}

protected void EditBtn_Click(object sender, EventArgs e)
{
    Response.Redirect("createRecipe.aspx?recipeid="+Request.QueryString["recipeid"]);
}
}
}

```

7. Profile Page Code

➤ myProfile.aspx

```
<% @ Page Language="C#" AutoEventWireup="true" CodeBehind="myProfile.aspx.cs"
Inherits="RecipeSharing.myProfile" %>

<!DOCTYPE html>
<html lang="en">
<head>
    <title>Bootstrap Example</title>
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/css/bootstrap.min.css">
    <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></script>
    <script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/js/bootstrap.min.js"></script>

    <style>
        body { color:white; background-attachment:fixed;text-align:center;background-
image:url('/Images/back.jpg');}
        .navbar {margin-bottom: 0;border-radius: 0; }
        footer {background-color: #f2f2f2; color:black;padding: 15px; }
    </style>
</head>
<body >
    <nav class="navbar navbar-inverse">
        <div class="container-fluid"><div class="navbar-header">
            <button type="button" class="navbar-toggle" data-toggle="collapse" data-
target="#myNavbar">
                <span class="icon-bar"></span>
                <span class="icon-bar"></span>
                <span class="icon-bar"></span>
            </button><a class="navbar-brand" href="#">DamnDelicious</a></div>
            <div class="collapse navbar-collapse" id="myNavbar">
                <ul class="nav navbar-nav">
                    <li><a href="home.aspx">Home</a></li>
                    <li><a href="createRecipe.aspx">Create Recipe</a></li>
                    <li><a href="myCreations.aspx">My Creations</a></li>
                    <li><a href="bookmarks.aspx">Bookmarks</a></li>
                </ul>
                <ul class="nav navbar-nav navbar-right">
                    <li class="active"><a href="myProfile.aspx">Profile</a></li>
                    <li><a href="logout.aspx"><span class="glyphicon glyphicon-log-in"></span>
Logout</a></li>
                </ul>
            </div></div>
        </nav><br>
        <div class="container text-center" style="width:1080px;padding:10px;">
            <h1 style="padding:20px;border:2px solid white;"><b>My Profile</b></h1>
            <form id="form1" runat="server"><div class="row" style="margin:25px 20px;">
                <div class="col-sm-4">
                    <asp:Image id="profilePhoto" runat="server" width="230px" height="230px"/><br><br>
                </div>
                <div class="col-sm-8 " style="text-align:left;padding:10px 40px;">
```

```
<h4><b><u>Username</u></b></h4> <asp:Label ID="username" runat="server"
Text=""></asp:Label><br><br />
    <h4><b><u>Email</u></b></h4><asp:Label ID="Email" runat="server"
Text=""></asp:Label>
    <br><br><hr>
        <asp:Label ID="creations" runat="server" Text="Creations 0"></asp:Label>&nbspbsp
&nbspbsp &nbspbsp &nbspbsp &nbspbsp &nbspbsp &nbspbsp &nbspbsp &nbspbsp &nbspbsp &nbspbsp &nbspbsp
&nbspbsp &nbspbsp &nbspbsp &nbspbsp &nbspbsp
        <asp:Label ID="followers" runat="server" Text="Followers 0"></asp:Label>&nbspbsp
&nbspbsp &nbspbsp &nbspbsp &nbspbsp &nbspbsp &nbspbsp &nbspbsp &nbspbsp &nbspbsp &nbspbsp &nbspbsp
&nbspbsp &nbspbsp &nbspbsp &nbspbsp &nbspbsp
        <asp:Label ID="following" runat="server" Text="Following 0"></asp:Label>
    </div></div><hr>
</form>
</div>
<div>
    <h3><b>*****<u>Advertisement</u>*****</b></h3><hr>
        <asp:AdRotator Id="Ad1" runat = "server" AdvertisementFile = "ads.xml" Target
= "_blank" Width="640" Height="240" BorderColor="white" borderwidth="10"
BorderStyle="Outset"/>
    </div><br><br />
    <footer class="text-center" style="bottom:0px;">
        <p>Copyright</p>
    </footer>
</body>
</html>
```

➤ **myProfile.aspx.cs**

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

namespace RecipeSharing
{
    public partial class myProfile : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {
            if (Session["id"] != null)
            {
                using (MySqlConnection connection = new
MySqlConnection(@"server=localhost;userid=root;password=;database=recipes"))
                {
                    connection.Open();
                    MySqlCommand command = connection.CreateCommand();
                    string SQL = "SELECT * FROM users where UserId="+Session["id"];
                    command.CommandText = SQL;
```

```

        MySqlDataReader dr = command.ExecuteReader();
        dr.Read();
        byte[] bytes = (byte[])dr["ProfilePhoto"];
        string base64String = Convert.ToBase64String(bytes, 0, bytes.Length);
        profilePhoto.ImageUrl = "data:image/png;base64," + base64String;
        username.Text = dr["Username"].ToString();
        Email.Text = dr["Email"].ToString();
        if(!dr["Following"].ToString().Equals(""))
            following.Text = "Following " + dr["Following"].ToString().Split(',').Length.ToString();
        dr.Close();
        SQL = "Select Count(UserId) as Followers FROM Users where Following LIKE '%"+Session["id"]+"%'";
        command.CommandText = SQL;
        dr = command.ExecuteReader();
        dr.Read();
        followers.Text = "Followers " + dr["Followers"].ToString();
        dr.Close();
        SQL = "Select Count(RecipeId) as Creations FROM Recipes where CreatorId="+
Session["id"];
        command.CommandText = SQL;
        dr = command.ExecuteReader();
        dr.Read();
        creations.Text = "Creations " + dr["Creations"].ToString();
        dr.Close();
    }
}
else
{
    Response.Write("<script>Alert('Sorry But not logged In!!');</script>");
    Response.Redirect("login.aspx");
}
}
}
}

```

8. My Creations and Bookmark page Code

➤ MyCreations.aspx

```
<% @ Page Language="C#" AutoEventWireup="true" CodeBehind="myCreations.aspx.cs"
Inherits="RecipeSharing.myCreations" %>

<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml" lang="en">
<head runat="server">
    <title>Bootstrap Example</title>
    <link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/css/bootstrap.min.css">
    <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></script>
    <script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/js/bootstrap.min.js"></script>
    <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-
awesome.min.css">
    <style>
        body { color: white;background-attachment: fixed; background-image:
url('/Images/back.jpg');}
        .navbar {margin-bottom: 0;border-radius: 0;}
        img {padding:5px 0px 0px 0px;border-radius:5px;border:2px solid white;}
        .col-sm-3 {margin:40px 0px;}
        footer { background-color: #f2f2f2;color:black; padding: 15px;}
        .recipe{ width:300px;}
    </style>
</head>
<body align="center">
    <nav class="navbar navbar-inverse">
        <div class="container-fluid"><div class="navbar-header">
            <button type="button" class="navbar-toggle" data-toggle="collapse" data-
target="#myNavbar">
                <span class="icon-bar"></span>
                <span class="icon-bar"></span>
                <span class="icon-bar"></span>
            </button><a class="navbar-brand" href="#">DamnDelicious</a></div>
            <div class="collapse navbar-collapse" id="myNavbar">
                <ul class="nav navbar-nav">
                    <li><a href="home.aspx">Home</a></li>
                    <li><a href="createRecipe.aspx">Create Recipe</a></li>
                    <li class="active"><a href="myCreations.aspx">My Creations</a></li>
                    <li><a href="bookmarks.aspx">Bookmarks</a></li>
                </ul>
                <ul class="nav navbar-nav navbar-right">
                    <li><a href="myProfile.aspx">Profile</a></li>
                    <li><a href="logout.aspx"><span class="glyphicon glyphicon-log-in"></span>
Logout</a></li>
                </ul>
            </div></div>
        </nav><br><br />
        <div class="container-fluid bg-3 text-center" style="margin:10px 30px;padding:0px 50px;">
            <h1><b><u>My Creations</u></b></h1><br>
            <form id="form1" runat="server">
                <div class="row" style="color:black;" runat="server" id="creations"></div>
            </form></div>
```

```

<div>
    <form><button formaction="createRecipe.aspx" class="btn btn-primary" style="position:
fixed; bottom: 20px; right:20px; margin-left: -104.5px; border-radius: 50%;"><i style="font-
size:30px" class="fa fa-plus fa-6" aria-hidden="true"></i></button>
    </form></div> <br><br><br>

    <footer class="container-fluid text-center"><p>Copyright</p></footer>
</body>
</html>

```

➤ MyCreations.aspx.cs

```

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

namespace RecipeSharing
{
    public partial class myCreations : System.Web.UI.Page
    {
        protected void Page_Init(object sender, EventArgs e)
        {
            if (Session["id"] != null)
            {
                using (MySqlConnection connection = new
MySqlConnection(@"server=localhost;userid=root;password=;database=recipes"))
                {
                    connection.Open();
                    MySqlCommand command = connection.CreateCommand();
                    string SQL = "SELECT * FROM recipes where CreatorId="+Session["id"];
                    command.CommandText = SQL;

                    MySqlDataReader dr = command.ExecuteReader();
                    string creationshtml = "";
                    while (dr.Read())
                    {
                        byte[] bytes = (byte[])dr["RecipeImage"];
                        string base64String = Convert.ToBase64String(bytes, 0, bytes.Length);
                        creationshtml = creationshtml + "<div class='col-sm-3'><button type='submit'
class='recipe' formaction='recipe.aspx?recipeid=" + dr["RecipeId"] + ">" +
                            "<h4><b>" + dr["RecipeName"] + "</b></h4>" +
                            "<i class='fa fa-thumbs-up fa-3' aria-hidden='true'> " + dr["Likes"] + " </i>" +
                            "</button></div>";
                    }
                    creations.InnerHtml = creationshtml;
                    dr.Close();
                    connection.Close();
                }
            }
        }
    }
}

```

```

else
{
    Response.Write("<script>Alert('Sorry But not logged In!!');</script>");
    Response.Redirect("login.aspx");
}
}
}
}
}

```

➤ Bookmarks.aspx

```

<% @ Page Language="C#" AutoEventWireup="true" CodeBehind="bookmarks.aspx.cs"
Inherits="RecipeSharing.bookmarks" %>

<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml" lang="en">
<head runat="server"><title>Bootstrap Example</title>
    <link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/css/bootstrap.min.css">
    <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></script>
    <script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/js/bootstrap.min.js"></script>
    <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-
awesome.min.css">
    <style>
        body { color: white;background-attachment: fixed; background-image:
url('/Images/back.jpg');}
        .navbar {margin-bottom: 0;border-radius: 0;}
        img {padding:5px 0px 0px 0px;border-radius:5px;border:2px solid white;}
        .col-sm-3 {margin:40px 0px;}
        footer { background-color: #f2f2f2;color:black; padding: 15px;}
        .recipe{ width:300px;}
    </style>
</head>
<body align="center">

    <nav class="navbar navbar-inverse">
        <div class="container-fluid">
            <div class="navbar-header">
                <button type="button" class="navbar-toggle" data-toggle="collapse" data-
target="#myNavbar">
                    <span class="icon-bar"></span>
                    <span class="icon-bar"></span>
                    <span class="icon-bar"></span>
                </button><a class="navbar-brand" href="#">DamnDelicious</a></div>
            <div class="collapse navbar-collapse" id="myNavbar">
                <ul class="nav navbar-nav">
                    <li><a href="home.aspx">Home</a></li>
                    <li><a href="createRecipe.aspx">Create Recipe</a></li>
                    <li><a href="myCreations.aspx">My Creations</a></li>
                    <li class="active"><a href="bookmarks.aspx">Bookmarks</a></li>
                </ul>
                <ul class="nav navbar-nav navbar-right">
                    <li><a href="myProfile.aspx">Profile</a></li>
                    <li><a href="logout.aspx"><span class="glyphicon glyphicon-log-in"></span>
Logout</a></li>
                </ul>

```



```

        </div></div>
</nav><br><br />

<div class="container-fluid bg-3 text-center" style="margin:10px 30px;padding:0px 50px;">
    <h1><b><u>My Bookmarks</u></b></h1><br />
    <form id="form1" runat="server">
        <div class="row" style="color:black;" runat="server" id="bookmark"></div>
    </form>
</div>

<div><form>
    <button formaction="createRecipe.aspx" class="btn btn-primary" style="position: fixed;
bottom: 20px; left:1420px; margin-left: -104.5px; border-radius: 50%;"><i style="font-size:30px"
class="fa fa-plus fa-6" aria-hidden="true"></i></button>
    </form>
</div><br><br><br>

<footer class="container-fluid text-center"><p>Copyright</p></footer>
</body>
</html>

```

➤ Bookmarks.aspx.cs

```

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

namespace RecipeSharing
{
    public partial class bookmarks : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {
            if (Session["id"] != null)
            {
                using (MySqlConnection connection = new
MySqlConnection(@"server=localhost;userid=root;password=;database=recipes"))
                {
                    connection.Open();
                    MySqlCommand command = connection.CreateCommand();
                    string SQL = "Select Bookmarks from users where UserId="+Session["id"];
                    command.CommandText = SQL;
                    MySqlDataReader dr = command.ExecuteReader();
                    dr.Read();
                    command = connection.CreateCommand();
                    SQL = "SELECT * FROM recipes Join users where recipes.CreatorId=users.UserId
and RecipeId in ('"+dr["Bookmarks"].ToString()+"')";
                    SQL = SQL.Replace("'", "");
                    SQL = SQL.Replace(",)", ")");
                    command.CommandText = SQL;

```

```

        dr.Close();
        dr = command.ExecuteReader();
        string bookmarkhtml = "";
        while (dr.Read())
        {
            byte[] bytes = (byte[])dr["RecipeImage"];
            string base64String = Convert.ToBase64String(bytes, 0, bytes.Length);
            bookmarkhtml = bookmarkhtml + "<div class='col-sm-3'><button type='submit'
class='recipe' formaction='recipe.aspx?recipeid=" + dr["RecipeId"] + ">" +
            "<h4><b>" + dr["RecipeName"] + "</b></h4>" +
            "<p>" + dr["Username"] + "</p>" +
            "<i class='fa fa-thumbs-up fa-3' aria-hidden='true'>" + dr["Likes"] + "</i>" +
            "</button></div>";
        }
        bookmark.InnerHtml = bookmarkhtml;
        dr.Close();
        connection.Close();
    }
}
else
{
    Response.Write("<script>Alert('Sorry But not logged In!!');</script>");
    Response.Redirect("login.aspx");
}
}
}
}

```

➤ Logout.aspx.cs

```

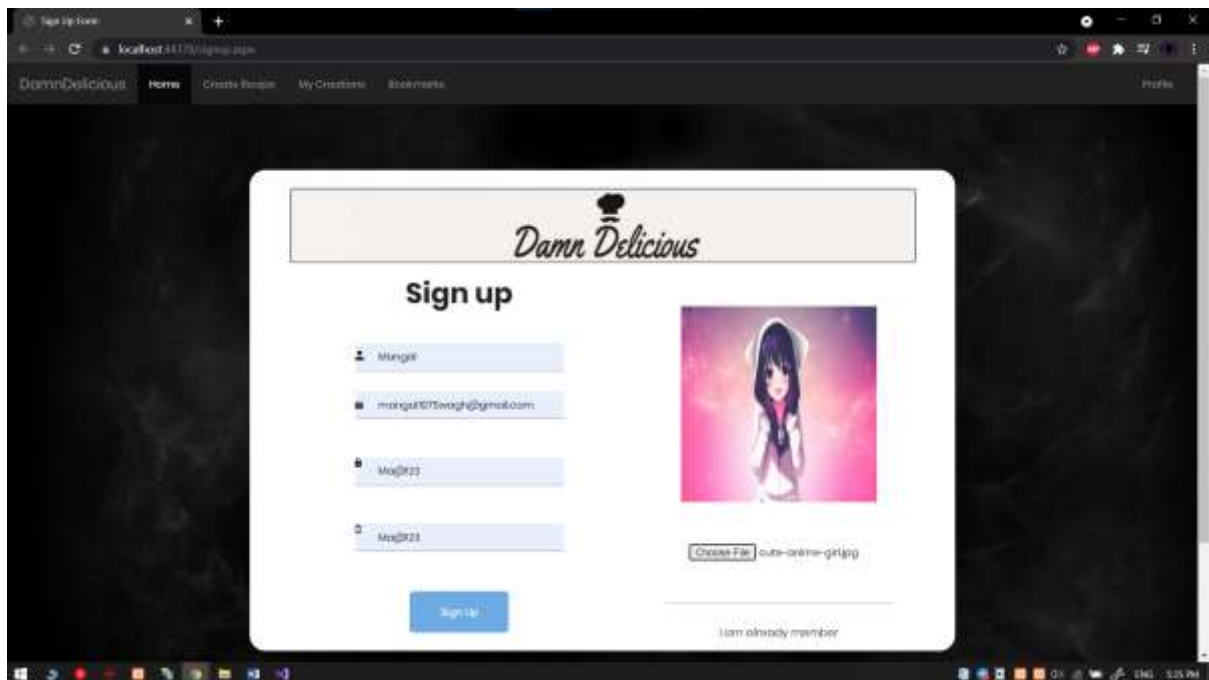
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;

namespace RecipeSharing
{
    public partial class logout : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {
            Session.Abandon();
            Response.Redirect("login.aspx");
        }
    }
}

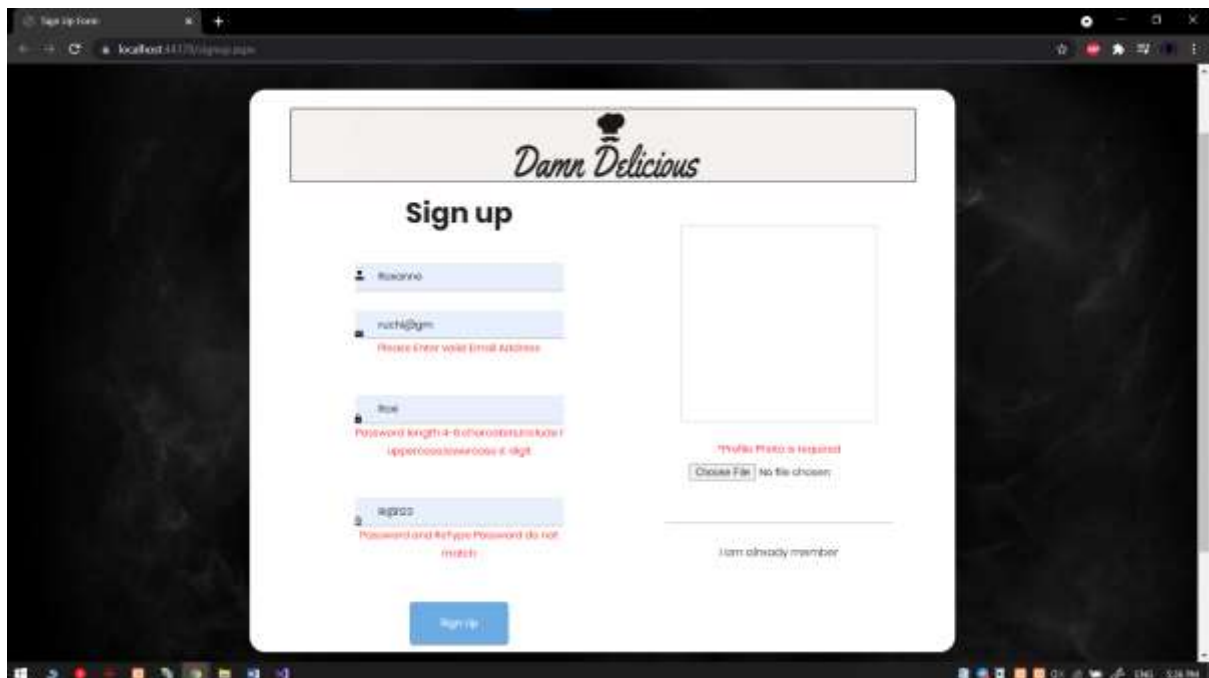
```

❖ Outputs:

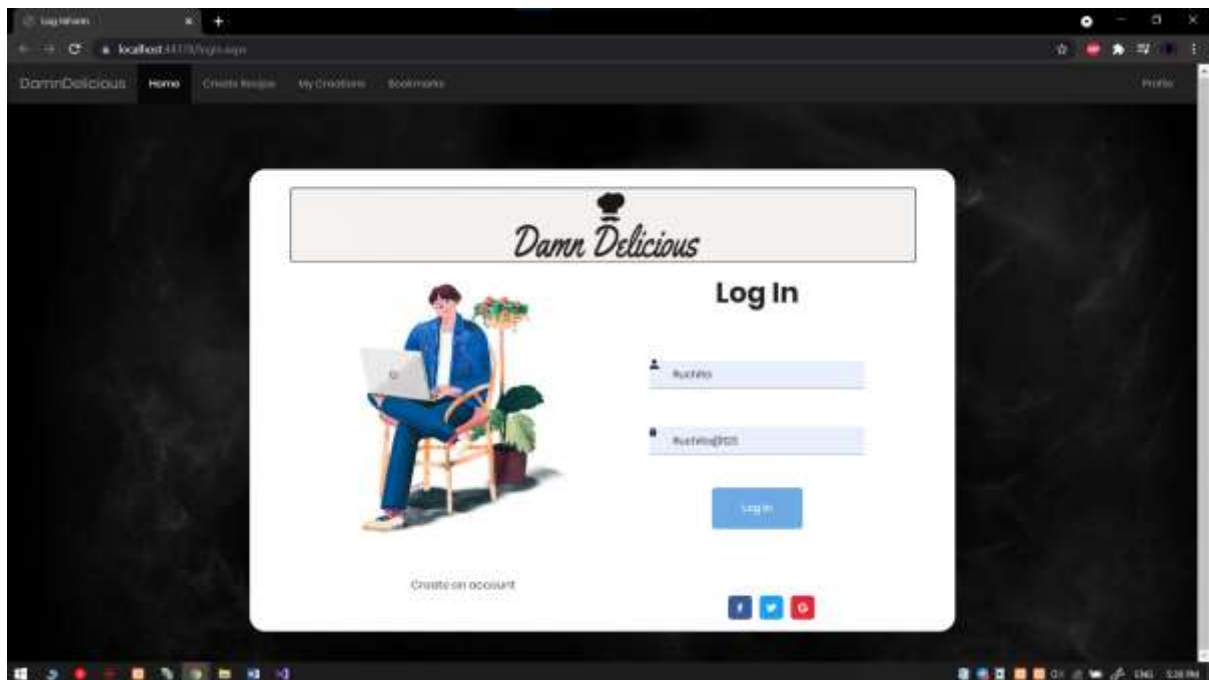
1. Sign Up page



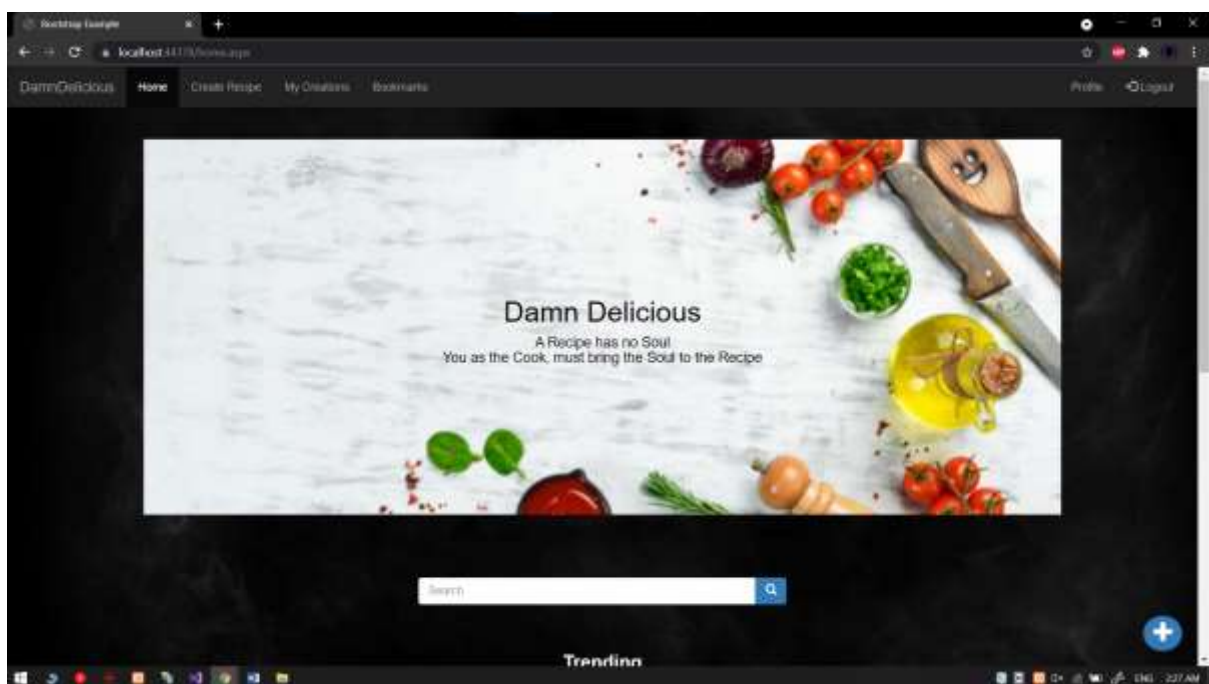
- Sign Up page when Invalid data is inputted



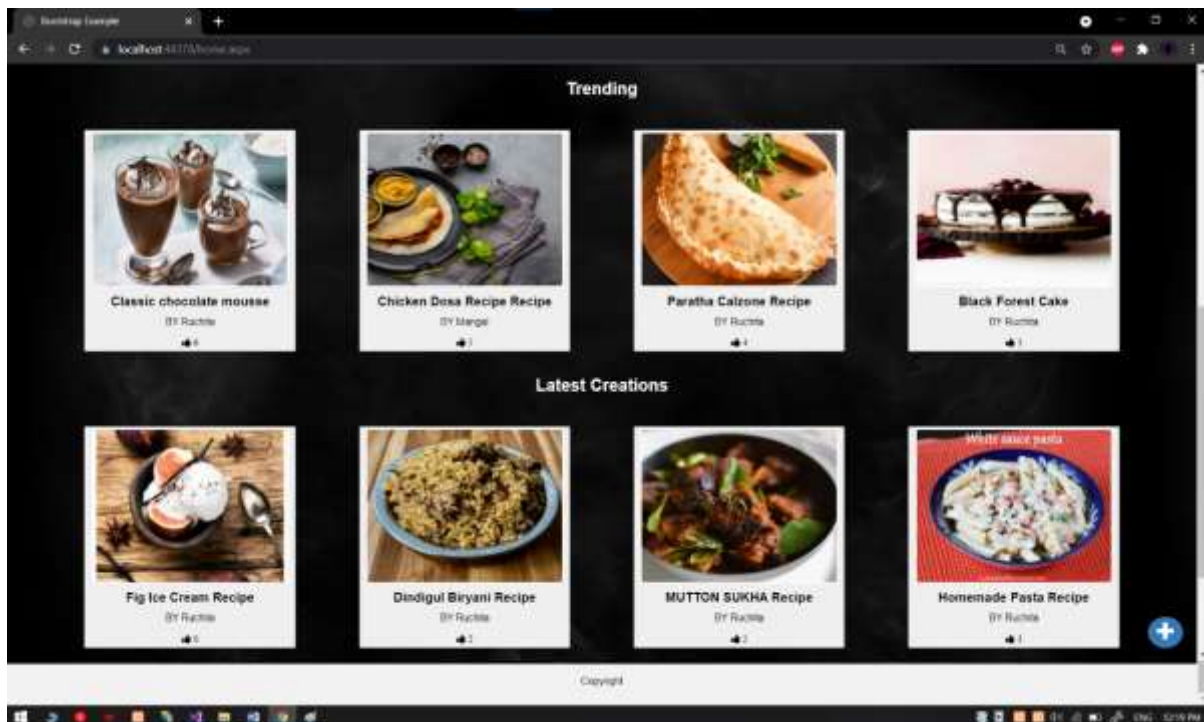
2. Login Page



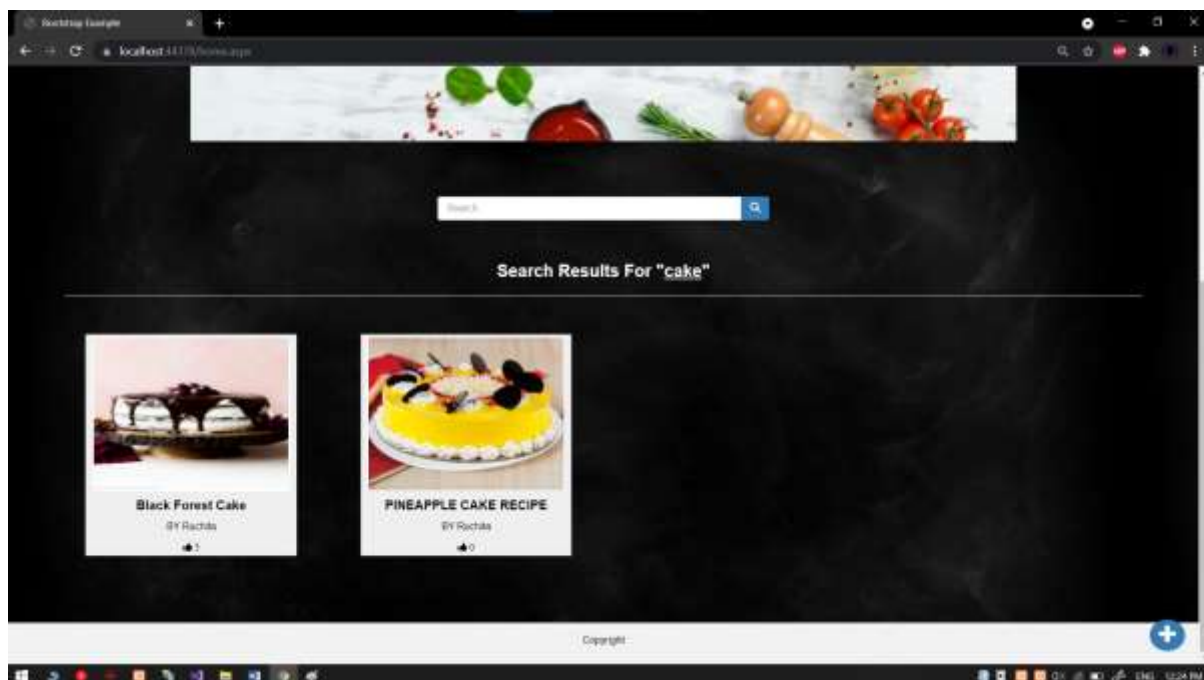
3. Home Page



➤ Trending and Latest Creations



➤ Search Recipe by keyword



4. Create a New Recipe Page

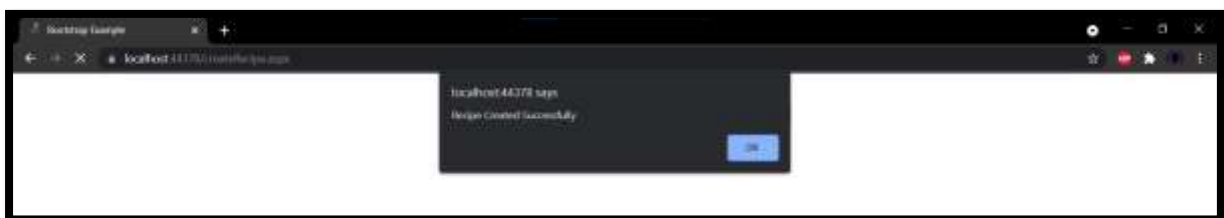
The screenshot shows a web browser window with the URL `localhost:44378/Recipe.aspx`. The page has a dark theme and a navigation bar with links: [DamnDelicious](#), [Home](#), [Create Recipe](#) (active), [My Creations](#), [Following](#), and [Bookmarks](#). On the right of the navigation bar are links for [Profile](#) and [Logout](#).

The main content area is titled "Create New Recipe". It contains the following fields:

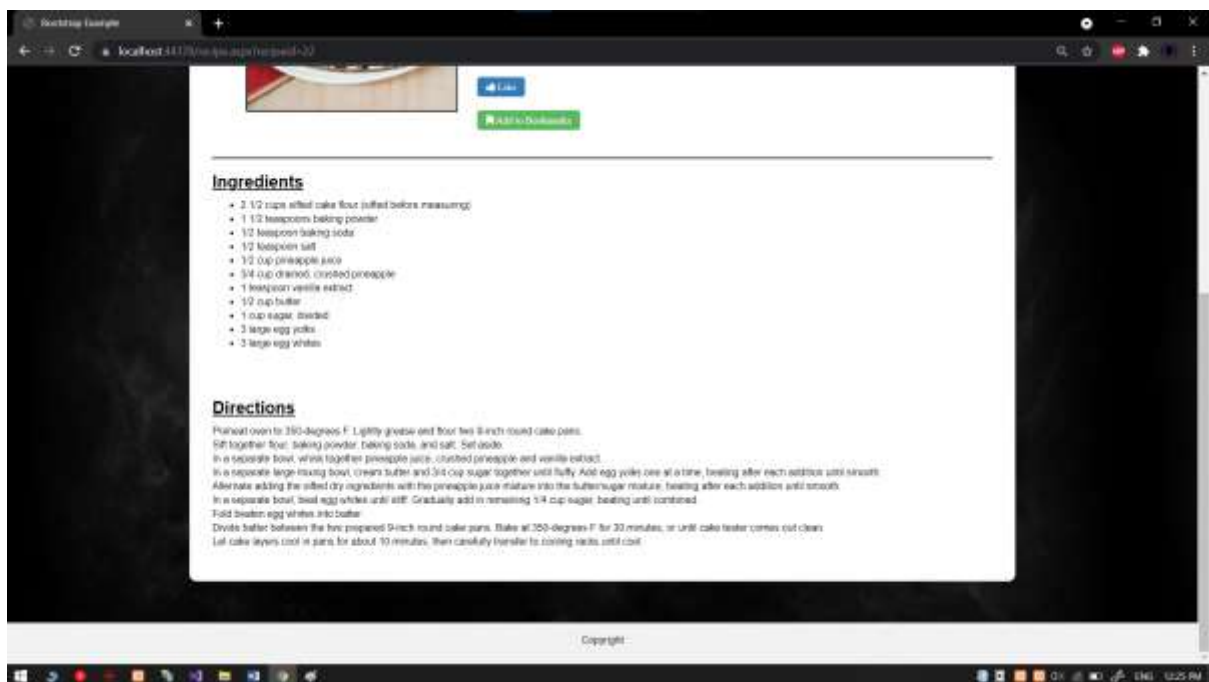
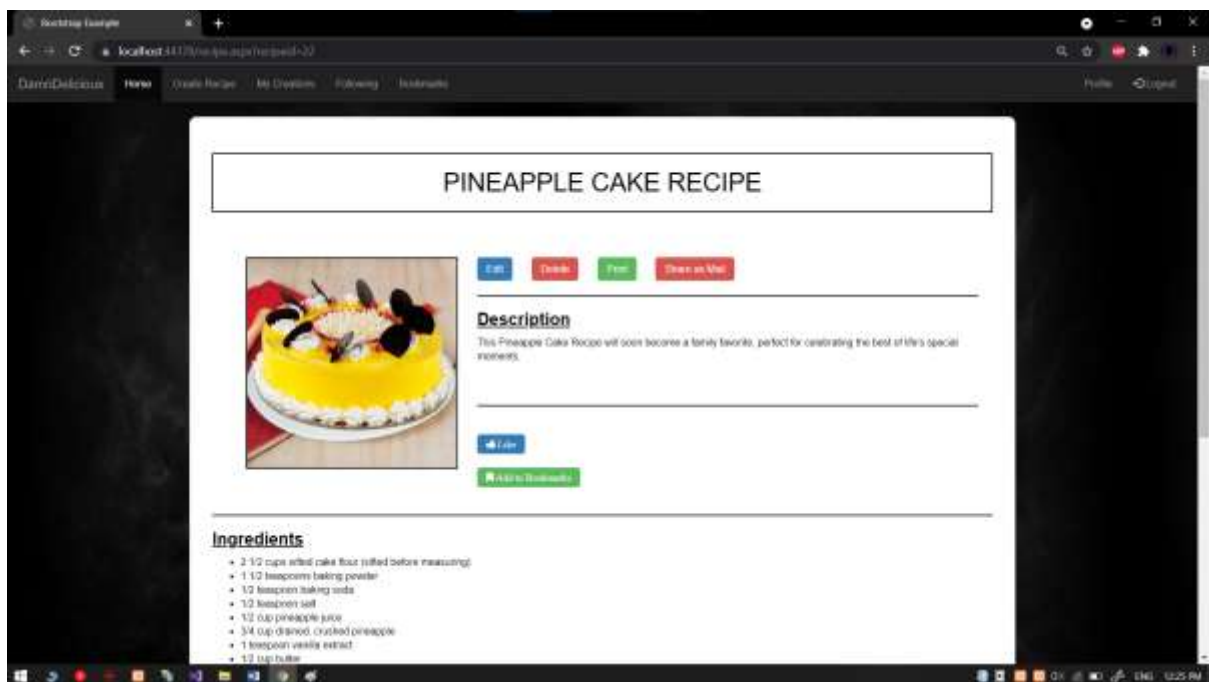
- Recipe Name :** A text input field containing "Overnight Chocolate Oats Recipe".
- Description :** A text area containing "Bored of the usual boring breakfast options? Then try this super delicious and chocolaty breakfast bowl, which will give you enough energy in the morning to sail through the day."
- Image:** A placeholder image of a chocolate oat bowl topped with raspberries. Below it is a "Choose File" button and the filename "chocolate-o...-recipe-2.jpg".
- Ingredients :** A text area containing:
2 banana
1 cup almond milk
1 tablespoon chia seeds
1 cup rolled oats
2 tablespoon unsweetened cocoa powder
3 tablespoon honey
- Directions :** A text area containing:
Step 1 Mash the banana
Roughly chop the banana and add it to a bowl. Use a fork and mash well to make a paste.
Step 2 Preparation
To the same bowl, add oats, almond milk, honey, chia seeds and cocoa powder. Mix until combined well. Now transfer the mixture equally into two bowls.
Step 3 Leave overnight
Place the bowls in the fridge for 5 hours or overnight and have them in the morning.
Step 4 Garnish and serve
Garnish with banana, shaved chocolate and your perfect breakfast is ready to be served.

A blue "Submit" button is located at the bottom right of the form. The footer of the page says "Copyright".

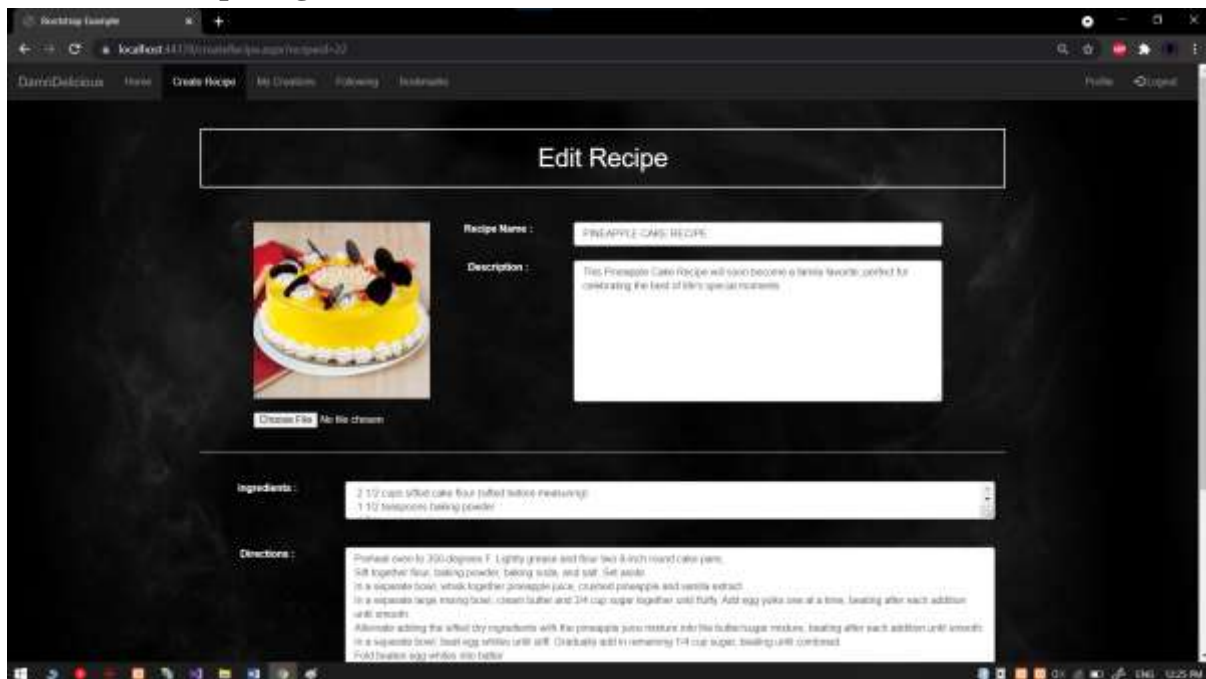
- **Alert Showing successfully created Recipe**



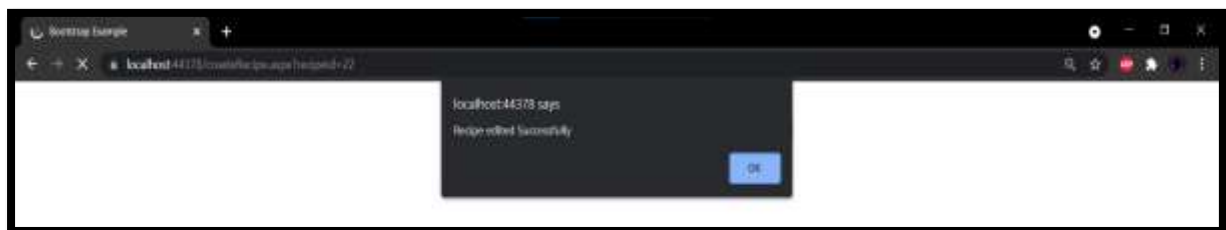
5. View Recipe Page (Edit , Delete Module)



➤ Edit Recipe Page



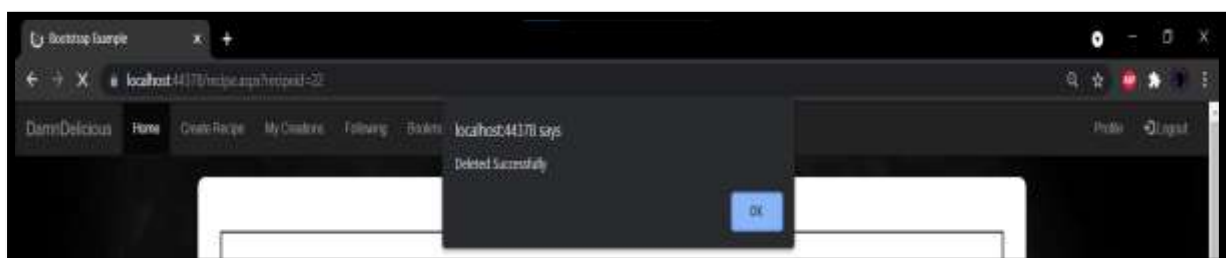
- Alert Showing Successfully edited Recipe



➤ Delete Recipe: On Clicking on Delete Button Asking for confirmation to delete



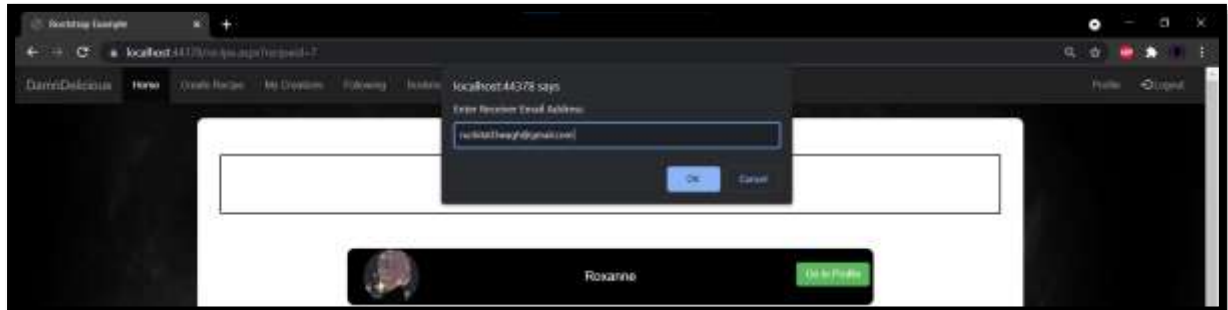
- Alert Showing Recipe Deleted Successfully



6. Sharing Recipe as Mail

➤ Sending Mail:

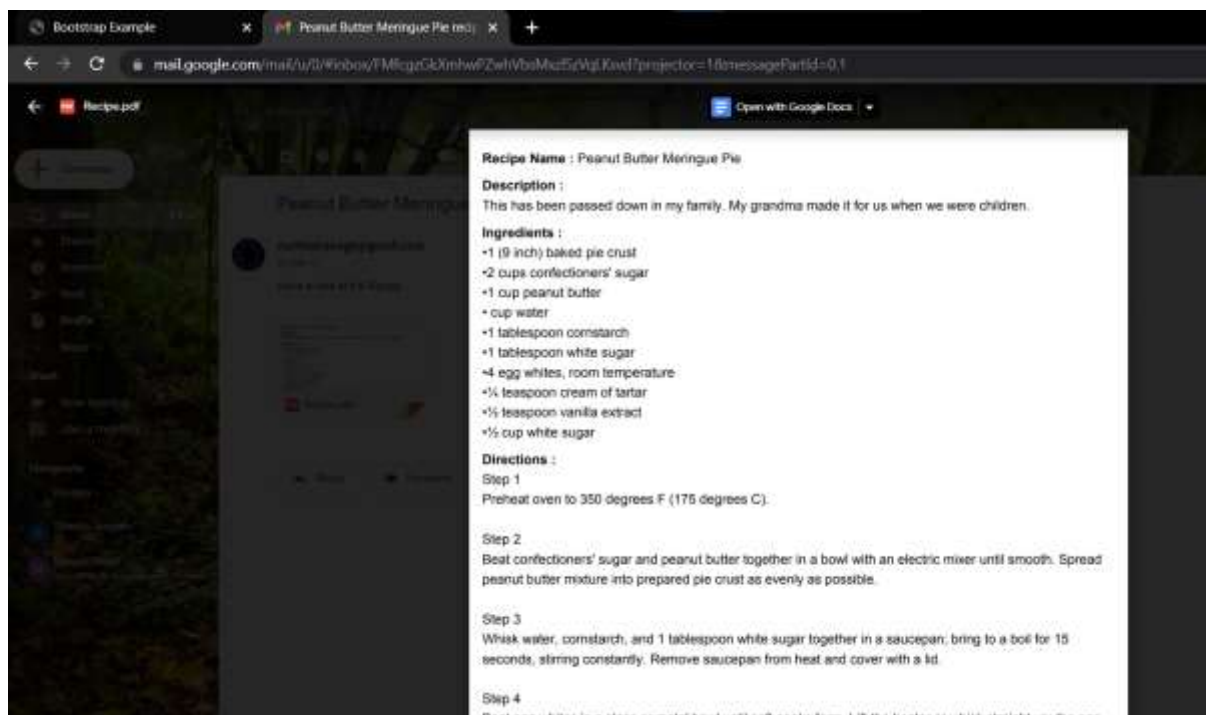
- Prompt asking for receiver's Email Address



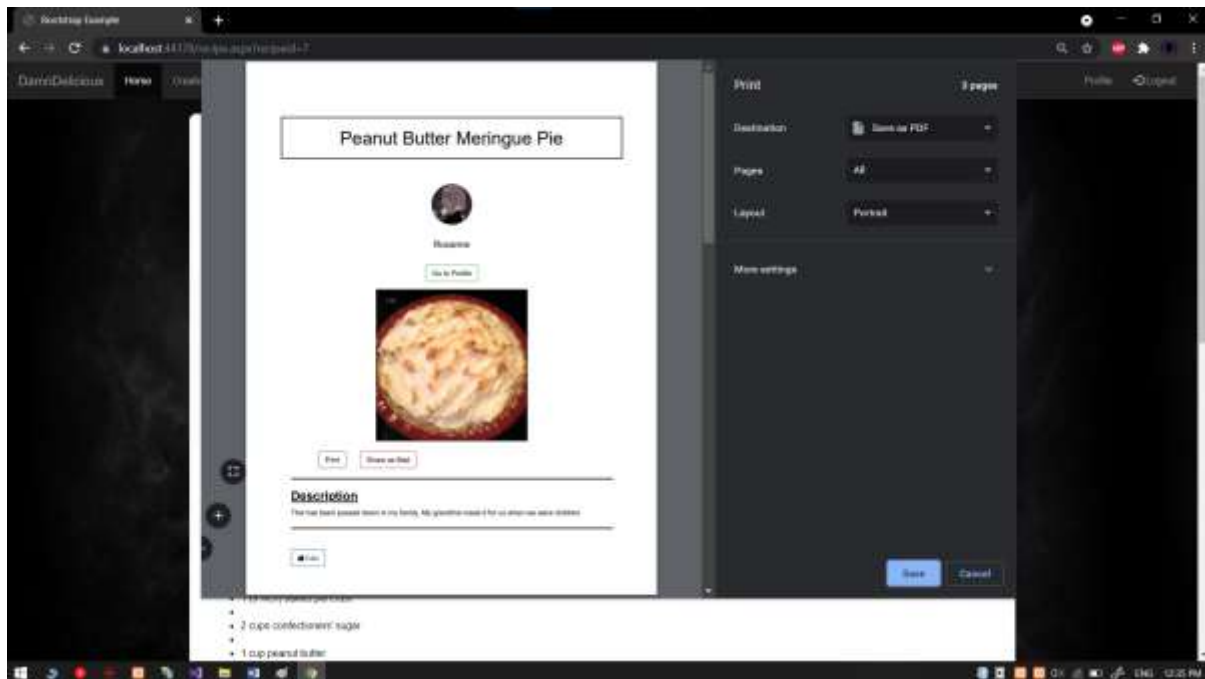
- Alert showing mail sent Successfully



- Mail Screenshot



➤ **Printing Recipe or Saving As Pdf**

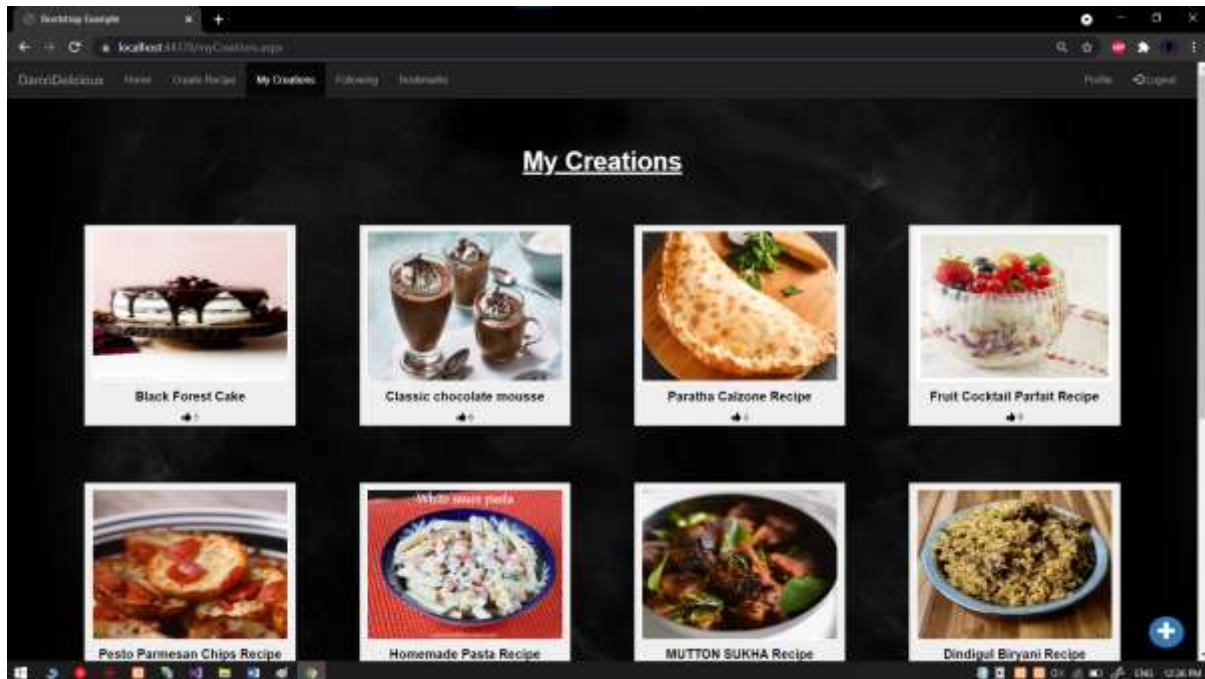


7. Profile Page (with Adrotator Below)

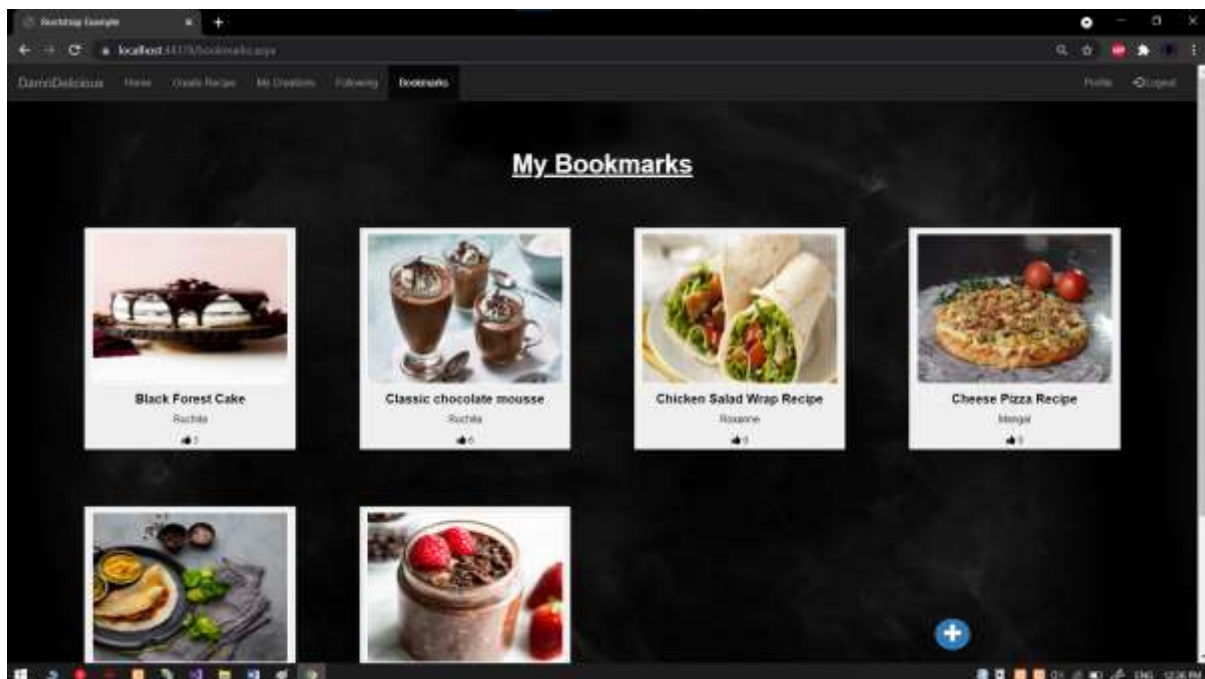


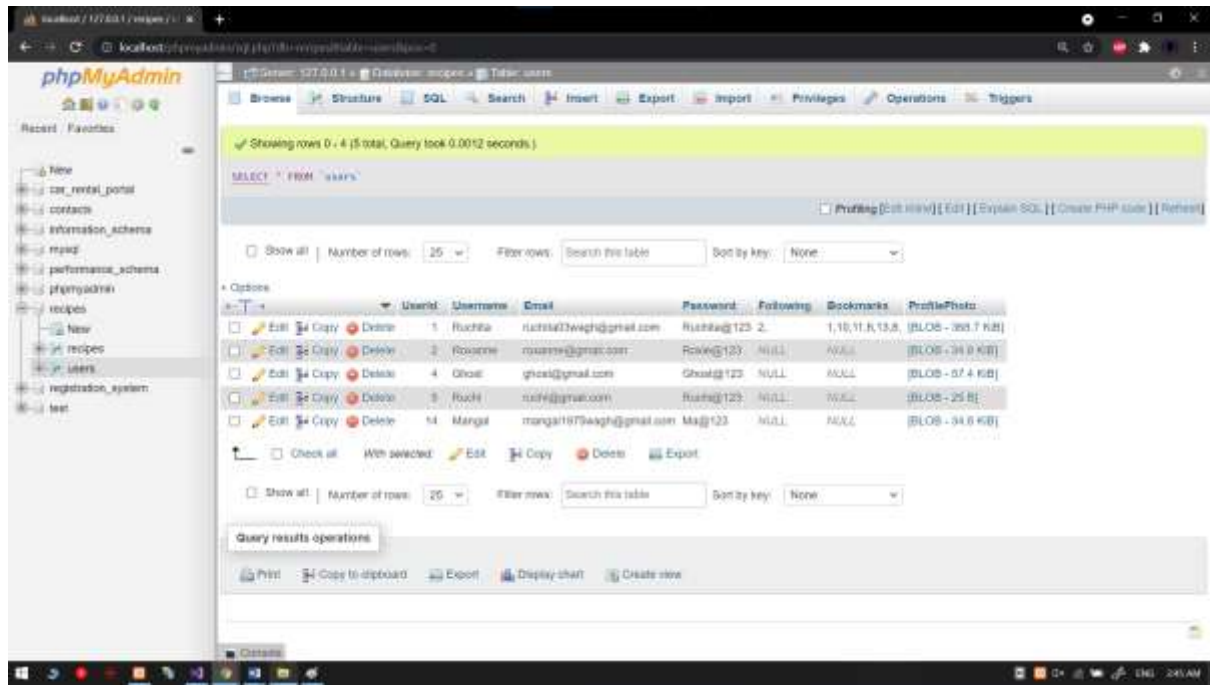
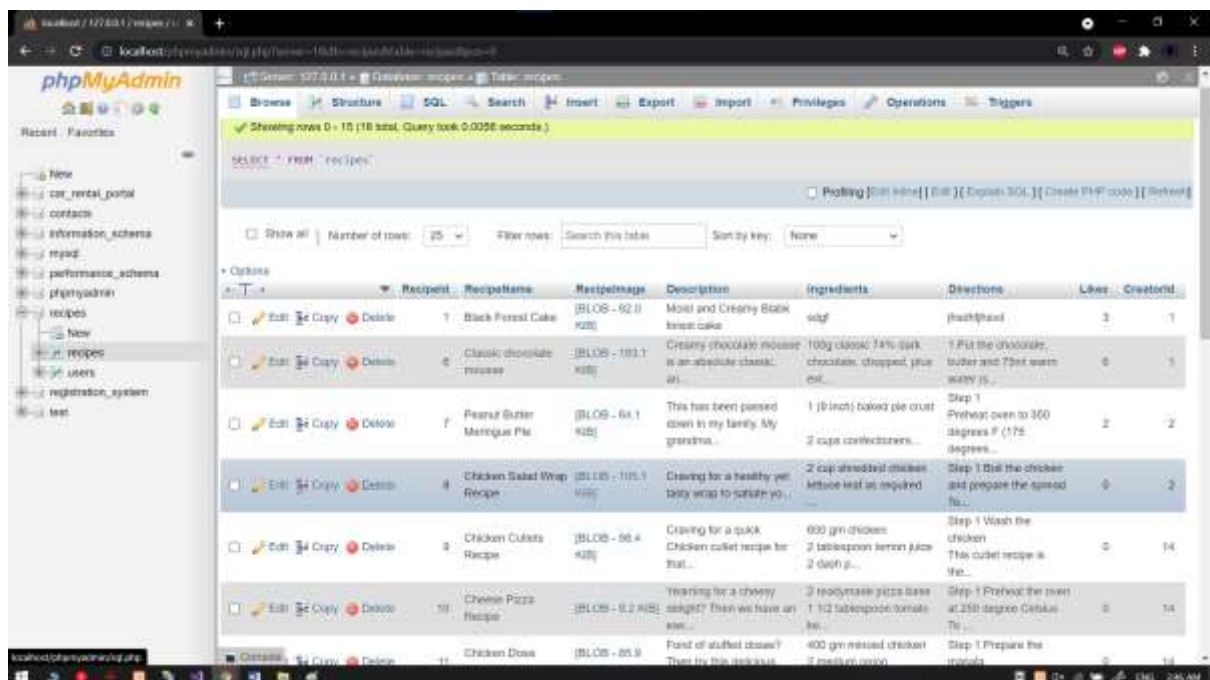
8. My Creations and Bookmarks Pages

➤ My Creations Page



➤ My Bookmarks Page



❖ Database• Users Table• Recipes Table

❖ **Conclusion:**

- The “Recipe Sharing Website” fulfils the main purpose of sharing and learning.
- The presented System thus achieves all the primary goals of developing the new System.
- Also all of the important features like database connectivity & manipulations, adRotoator, input validations, sessions are used in this system.
- By using Visual Basic .NET framework , it has enabled us to create a easy-to-user interface for users that completes all the requirements.