

Hussain Ali Jahangir

Code report

Login.aspx

```
<%@ Page Language="VB" AutoEventWireup="false" CodeFile="Login.aspx.vb"
Inherits="Login" %>

<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title>Secure Login - Food Management System</title>
</head>
<body>
    <form id="form1" runat="server">
        <div style="width: 400px; margin: 100px auto; padding: 20px; border: 1px
solid #ccc; border-radius: 10px;">
            <h2>Login</h2>

            <div style="margin-bottom: 10px; font-size: 14px; color: #555;">
                <strong>Admin Email:</strong> admin@gmail.com<br />
                <strong>Admin Password:</strong> admin123
                <strong>Customer Email:</strong> customer<br />
                <strong>customer Password:</strong> abcd123
            </div>

            <asp:Label ID="lblEmail" runat="server" Text="Email:"
AssociatedControlID="txtEmail" /><br />
            <asp:TextBox ID="txtEmail" runat="server" CssClass="form-control" /><br
/>

            <asp:Label ID="lblPassword" runat="server" Text="Password:"
AssociatedControlID="txtPassword" /><br />
            <asp:TextBox ID="txtPassword" runat="server" TextMode="Password"
CssClass="form-control" /><br />

            <asp:Button ID="btnLogin" runat="server" Text="Login"
OnClick="btnLogin_Click" CssClass="btn btn-primary" /><br /><br />
            <asp:Label ID="lblMessage" runat="server" ForeColor="Red" />
        </div>
    </form>
</body>
</html>
```

Login.aspx.vb

```
Imports System.Data.SqlClient
Imports System.Security.Cryptography
Imports System.Text
```

```
Partial Class Login
    Inherits System.Web.UI.Page
```

```

Protected Sub btnLogin_Click(sender As Object, e As EventArgs)
    Dim email = txtEmail.Text.Trim()
    Dim passwordHash = ComputeSha256Hash(txtPassword.Text.Trim())
    Dim conn As New SqlConnection("Data Source=DESKTOP-TQTJRA3;Initial
Catalog=Lab13db;Integrated Security=True")

    Dim cmd As New SqlCommand("SELECT * FROM Users WHERE Email=@Email", conn)
    cmd.Parameters.AddWithValue("@Email", email)

    conn.Open()
    Dim reader As SqlDataReader = cmd.ExecuteReader()

    If reader.Read() Then
        If Convert.ToBoolean(reader("IsLocked")) Then
            lblMessage.Text = "Account is locked due to multiple failed login
attempts."
        ElseIf reader("PasswordHash").ToString() = passwordHash Then

            Session("UserEmail") = email
            Session("UserRole") = reader("Role").ToString()
            Session("UserID") = reader("UserID")
            reader.Close()

            Dim resetCmd As New SqlCommand("UPDATE Users SET FailedAttempts=0
WHERE Email=@Email", conn)
            resetCmd.Parameters.AddWithValue("@Email", email)
            resetCmd.ExecuteNonQuery()

            If Session("UserRole") = "Admin" Then
                Response.Redirect("AdminDashboard.aspx")
            Else
                Response.Redirect("CustomerDashboard.aspx")
            End If
        Else
            reader.Close()
            Dim failCmd As New SqlCommand("UPDATE Users SET FailedAttempts =
FailedAttempts + 1 WHERE Email=@Email", conn)
            failCmd.Parameters.AddWithValue("@Email", email)
            failCmd.ExecuteNonQuery()

            Dim checkCmd As New SqlCommand("SELECT FailedAttempts FROM Users
WHERE Email=@Email", conn)
            checkCmd.Parameters.AddWithValue("@Email", email)
            Dim attempts As Integer = Convert.ToInt32(checkCmd.ExecuteScalar())

            If attempts >= 3 Then
                Dim lockCmd As New SqlCommand("UPDATE Users SET IsLocked = 1
WHERE Email=@Email", conn)
                lockCmd.Parameters.AddWithValue("@Email", email)
                lockCmd.ExecuteNonQuery()
            End If

            lblMessage.Text = "Invalid email or password."
        End If
    End If

```

```

Else
    lblMessage.Text = "User not found."
End If

conn.Close()
End Sub

Private Function ComputeSha256Hash(rawData As String) As String
    Using sha256Hash As SHA256 = SHA256.Create()
        Dim bytes As Byte() =
sha256Hash.ComputeHash(Encoding.UTF8.GetBytes(rawData))
        Dim builder As New StringBuilder()
        For Each b As Byte In bytes
            builder.Append(b.ToString("x2"))
        Next
        Return builder.ToString()
    End Using
End Function
End Class

```

Register.aspx

```

<%@ Page Language="VB" AutoEventWireup="false" CodeFile="Register.aspx.vb"
Inherits="Register" %>

<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title>Register - Food Management System</title>
</head>
<body>
    <form id="form1" runat="server">
        <div style="width: 400px; margin: 100px auto; padding: 20px; border: 1px
solid #ccc; border-radius: 10px;">
            <h2>Register</h2>

            <asp:Label ID="lblEmail" runat="server" Text="Email:"
AssociatedControlID="txtEmail" /><br />
            <asp:TextBox ID="txtEmail" runat="server" /><br />
            <asp:RequiredFieldValidator ID="rfvEmail" runat="server"
ControlToValidate="txtEmail"
                ErrorMessage="Email is required." ForeColor="Red" Display="Dynamic"
/><br />
            <asp:RegularExpressionValidator ID="revEmail" runat="server"
ControlToValidate="txtEmail"
                ErrorMessage="Invalid email format."
                ValidationExpression="^[^@\s]+@[^@\s]+\.[^@\s]+$"
                ForeColor="Red" Display="Dynamic" /><br />

            <asp:Label ID="lblPassword" runat="server" Text="Password:"
AssociatedControlID="txtPassword" /><br />
            <asp:TextBox ID="txtPassword" runat="server" TextMode="Password" /><br
/>
            <asp:RequiredFieldValidator ID="rfvPassword" runat="server"
ControlToValidate="txtPassword"
                ErrorMessage="Password is required." ForeColor="Red"
Display="Dynamic" /><br />

```

```

        <asp:Label ID="lblRole" runat="server" Text="Select Role:"
AssociatedControlID="ddlRole" /><br />
        <asp:DropDownList ID="ddlRole" runat="server">
            <asp:ListItem Text="-- Select Role --" Value="" />
            <asp:ListItem Text="Admin" Value="Admin" />
            <asp:ListItem Text="Customer" Value="Customer" />
        </asp:DropDownList><br />
        <asp:RequiredFieldValidator ID="rfvRole" runat="server"
ControlToValidate="ddlRole"
            InitialValue="" ErrorMessage="Please select a role." ForeColor="Red"
Display="Dynamic" /><br /><br />
        <asp:Button ID="btnRegister" runat="server" Text="Register"
OnClick="btnRegister_Click" /><br /><br />
        <asp:Label ID="lblMessage" runat="server" ForeColor="Green" />
    </div>
</form>
</body>
</html>

```

Register.aspx.vb

```

Imports System.Data.SqlClient
Imports System.Security.Cryptography
Imports System.Text

Partial Class Register
    Inherits System.Web.UI.Page

    Protected Sub btnRegister_Click(sender As Object, e As EventArgs)
        If Not Page.IsValid Then Exit Sub

        Dim email As String = txtEmail.Text.Trim()
        Dim password As String = txtPassword.Text.Trim()
        Dim role As String = ddlRole.SelectedValue

        If Not IsValidEmail(email) Then
            lblMessage.ForeColor = System.Drawing.Color.Red
            lblMessage.Text = "Please enter a valid email address."
            Exit Sub
        End If

        If role <> "Admin" AndAlso role <> "Customer" Then
            lblMessage.ForeColor = System.Drawing.Color.Red
            lblMessage.Text = "Invalid role selected."
            Exit Sub
        End If

        Try
            Dim passwordHash As String = ComputeSha256Hash(password)

            Using conn As New SqlConnection("Data Source=DESKTOP-TQTJRA3;Initial
Catalog=Lab13db;Integrated Security=True")
                conn.Open()
            End Using
        Catch ex As Exception
            lblMessage.ForeColor = System.Drawing.Color.Red
            lblMessage.Text = "Database connection failed."
        End Try
    End Sub

```

```

        Using checkCmd As New SqlCommand("SELECT COUNT(*) FROM Users WHERE
Email=@Email", conn)
            checkCmd.Parameters.AddWithValue("@Email", email)
            Dim count As Integer = Convert.ToInt32(checkCmd.ExecuteScalar())
            If count > 0 Then
                lblMessage.ForeColor = System.Drawing.Color.Red
                lblMessage.Text = "Email is already registered."
            Exit Sub
            End If
        End Using

        Using cmd As New SqlCommand("INSERT INTO Users (Email, PasswordHash,
Role, IsLocked, FailedAttempts) VALUES (@Email, @PasswordHash, @Role, 0, 0)", conn)
            cmd.Parameters.AddWithValue("@Email", email)
            cmd.Parameters.AddWithValue("@PasswordHash", passwordHash)
            cmd.Parameters.AddWithValue("@Role", role)

            Dim rows As Integer = cmd.ExecuteNonQuery()
            If rows > 0 Then
                lblMessage.ForeColor = System.Drawing.Color.Green
                lblMessage.Text = "Registration successful. You can now
login."

                ClearForm()
            Else
                lblMessage.ForeColor = System.Drawing.Color.Red
                lblMessage.Text = "Error occurred during registration."
            End If
        End Using
    End Using

    Catch ex As Exception
        lblMessage.ForeColor = System.Drawing.Color.Red
        lblMessage.Text = "Exception: " & ex.Message
    End Try
End Sub

Private Function ComputeSha256Hash(rawData As String) As String
    Using sha256Hash As SHA256 = SHA256.Create()
        Dim bytes As Byte() =
sha256Hash.ComputeHash(Encoding.UTF8.GetBytes(rawData))
        Dim builder As New StringBuilder()
        For Each b As Byte In bytes
            builder.Append(b.ToString("x2"))
        Next
        Return builder.ToString()
    End Using
End Function

Private Function IsValidEmail(email As String) As Boolean
    Try
        Dim addr As New System.Net.Mail.MailAddress(email)
        Return addr.Address = email
    Catch
        Return False
    End Try
End Function

```

```

Private Sub ClearForm()
    txtEmail.Text = ""
    txtPassword.Text = ""
    ddlRole.SelectedIndex = 0
End Sub
End Class

```

AdminDashboard.aspx

```

<%@ Page Language="VB" AutoEventWireup="false" CodeFile="AdminDashboard.aspx.vb"
Inherits="AdminDashboard" %>

<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title>Admin Dashboard</title>
</head>
<body>
    <form id="form1" runat="server">
        <div style="width: 500px; margin: 100px auto; padding: 20px; border: 1px
solid #ccc; border-radius: 10px;">
            <h2>Welcome, <asp:Label ID="lblAdminEmail" runat="server"
Text=""></asp:Label></h2>
            <hr />
            <ul style="list-style-type: none;">
                <li><a href="ManageFood.aspx">Manage Food Menu</a></li>
                <li><a href="ViewOrders.aspx">View All Orders</a></li>
                <li><a href="ViewFeedback.aspx">View Customer Feedback</a></li>
                <li><a href="Users.aspx">Manage Users</a></li>
            </ul>
            <br />
            <asp:Button ID="btnLogout" runat="server" Text="Logout"
OnClick="btnLogout_Click" />
        </div>
    </form>
</body>
</html>

```

AdminDashboard.aspx.vb

```

Partial Class AdminDashboard
    Inherits System.Web.UI.Page

    Protected Sub Page_Load(ByVal sender As Object, ByVal e As EventArgs) Handles
Me.Load
        If Session("UserEmail") Is Nothing OrElse Session("UserRole") Is Nothing
Then
            Response.Redirect("Login.aspx")
        ElseIf Session("UserRole").ToString() <> "Admin" Then
            Response.Redirect("AccessDenied.aspx")
        Else
            lblAdminEmail.Text = Server.HtmlEncode(Session("UserEmail").ToString())
        End If
    End Sub
End Class

```

```

End Sub

Protected Sub btnLogout_Click(sender As Object, e As EventArgs)
    Session.Clear()
    Session.Abandon()
    Response.Redirect("Login.aspx")
End Sub
End Class

```

CustomerDashboard.aspx

```

<%@ Page Language="VB" AutoEventWireup="false" CodeFile="CustomerDashboard.aspx.vb"
Inherits="CustomerDashboard" %>

```

```

<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title>Customer Dashboard</title>
    <style>
        .dashboard-container {
            width: 700px;
            margin: 50px auto;
            padding: 25px;
            border: 1px solid #ccc;
            border-radius: 12px;
            font-family: Arial;
        }
        .dashboard-container h2 {
            margin-bottom: 20px;
        }
        .dashboard-buttons {
            margin-top: 20px;
        }
        .dashboard-buttons asp\:Button {
            margin: 5px;
        }
    </style>
</head>
<body>
    <form id="form1" runat="server">
        <div class="dashboard-container">
            <h2>Welcome, <asp:Label ID="lblWelcome" runat="server" Font-Bold="true"
/></h2>

            <div class="dashboard-buttons">
                <asp:Button ID="btnViewMenu" runat="server" Text="View Available
Food Items" PostBackUrl="ViewMenu.aspx" />
                <asp:Button ID="btnPlaceOrder" runat="server" Text="Place Order"
PostBackUrl="PlaceOrder.aspx" />
                <asp:Button ID="btnMyOrders" runat="server" Text="View My Orders"
PostBackUrl="MyOrders.aspx" />
                <asp:Button ID="btnFeedback" runat="server" Text="Submit Feedback"
PostBackUrl="Feedback.aspx" />
                <asp:Button ID="btnLogout" runat="server" Text="Logout"
OnClick="btnLogout_Click" />
            </div>
        </div>
    </form>
</body>
</html>

```

```

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

```

CustomerDashboard.aspx.vb

```

Partial Class CustomerDashboard
    Inherits System.Web.UI.Page

    Protected Sub Page_Load(ByVal sender As Object, ByVal e As EventArgs) Handles Me.Load
        If Session("UserEmail") Is Nothing OrElse Session("UserRole") Is Nothing Then
            Response.Redirect("Login.aspx")
        ElseIf Session("UserRole").ToString() <> "Customer" Then
            Response.Redirect("AccessDenied.aspx")
        Else
            lblWelcome.Text = Server.HtmlEncode(Session("UserEmail").ToString())
        End If
    End Sub

    Protected Sub btnLogout_Click(sender As Object, e As EventArgs)
        Session.Clear()
        Session.Abandon()
        Response.Redirect("Login.aspx")
    End Sub
End Class

```

Feedback.aspx

```

<%@ Page Language="VB" AutoEventWireup="false" CodeFile="Feedback.aspx.vb" Inherits="Feedback" %>

<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title>Submit Feedback</title>
    <style>
        body { font-family: Arial; padding: 40px; }
        .container { width: 500px; margin: auto; }
        label { display: block; margin-top: 10px; }
        textarea, select, input[type=submit] { width: 100%; padding: 8px; margin-top: 5px; }
        .message { margin-top: 20px; color: green; font-weight: bold; }
    </style>
</head>
<body>
    <form id="form1" runat="server">
        <div class="container">
            <h2>Submit Feedback</h2>

            <asp:Label ID="lblMessage" runat="server" CssClass="message" />

```

```

<label for="ddlOrder">Select Order:</label>
<asp:DropDownList ID="ddlOrder" runat="server" />

<label for="ddlRating">Rating (1 to 5):</label>
<asp:DropDownList ID="ddlRating" runat="server">
    <asp:ListItem Text="1" Value="1" />
    <asp:ListItem Text="2" Value="2" />
    <asp:ListItem Text="3" Value="3" />
    <asp:ListItem Text="4" Value="4" />
    <asp:ListItem Text="5" Value="5" />
</asp:DropDownList>

<label for="txtComment">Comment:</label>
<asp:TextBox ID="txtComment" runat="server" TextMode="MultiLine"
Rows="4" />

    <asp:Button ID="btnSubmit" runat="server" Text="Submit Feedback"
OnClick="btnSubmit_Click" />
</div>
</form>
</body>
</html>

```

Feedback.aspx.vb

```
Imports System.Data.SqlClient
```

```
Partial Class Feedback
```

```
    Inherits System.Web.UI.Page
```

```
    Dim connStr As String = "Data Source=DESKTOP-TQTJRA3;Initial
Catalog=Lab13db;Integrated Security=True"
```

```
    Protected Sub Page_Load(ByVal sender As Object, ByVal e As EventArgs) Handles
Me.Load
```

```
        If Session("UserID") Is Nothing OrElse Session("UserRole") <> "Customer"
Then
            Response.Redirect("Login.aspx")
        End If

```

```
        If Not IsPostBack Then
            LoadOrders()
        End If
    End Sub

```

```
    Private Sub LoadOrders()
        Using conn As New SqlConnection(connStr)
            Dim query As String = "SELECT OrderID FROM Orders WHERE UserID = @UserID
ORDER BY OrderDate DESC"
            Dim cmd As New SqlCommand(query, conn)
            cmd.Parameters.AddWithValue("@UserID", Session("UserID"))

            conn.Open()
            Dim reader As SqlDataReader = cmd.ExecuteReader()
            ddlOrder.DataSource = reader
            ddlOrder.DataTextField = "OrderID"
            ddlOrder.DataValueField = "OrderID"

```

```

        ddlOrder.DataBind()
        conn.Close()
    End Using
End Sub

Protected Sub btnSubmit_Click(sender As Object, e As EventArgs)
    If ddlOrder.SelectedValue = "" Or ddlRating.SelectedValue = "" Then
        lblMessage.Text = "Please select an order and rating."
        Return
    End If

    Using conn As New SqlConnection(connStr)
        Dim query As String = "INSERT INTO Feedback (UserID, OrderID, Rating,
Comment) VALUES (@UserID, @OrderID, @Rating, @Comment)"
        Dim cmd As New SqlCommand(query, conn)
        cmd.Parameters.AddWithValue("@UserID", Session("UserID"))
        cmd.Parameters.AddWithValue("@OrderID", ddlOrder.SelectedValue)
        cmd.Parameters.AddWithValue("@Rating", ddlRating.SelectedValue)
        cmd.Parameters.AddWithValue("@Comment", txtComment.Text)

        conn.Open()
        cmd.ExecuteNonQuery()
        conn.Close()
    End Using

    lblMessage.Text = "Feedback submitted successfully."
    txtComment.Text = ""
End Sub
End Class

```

ManageFood.aspx

```

<%@ Page Language="VB" AutoEventWireup="false" CodeFile="ManageFood.aspx.vb"
Inherits="ManageFood" %>

<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title>Manage Food Menu</title>
</head>
<body>
    <form id="form1" runat="server">
        <div style="width: 600px; margin: 50px auto; padding: 20px; border: 1px
solid #ccc; border-radius: 10px;">
            <h2>Manage Food Menu</h2>
            <asp:GridView ID="gvFoodItems" runat="server"
AutoGenerateColumns="False" DataKeyNames="FoodID"
OnRowEditing="gvFoodItems_RowEditing"
OnRowUpdating="gvFoodItems_RowUpdating"
OnRowCancelingEdit="gvFoodItems_RowCancelingEdit"
OnRowDeleting="gvFoodItems_RowDeleting">
                <Columns>
                    <asp:BoundField DataField="FoodID" HeaderText="ID"
ReadOnly="True" />
                    <asp:BoundField DataField="FoodName" HeaderText="Food Name" />
                    <asp:BoundField DataField="Price" HeaderText="Price" />

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                <asp:BoundField DataField="QuantityAvailable"
HeaderText="Quantity" />
                <asp:CommandField ShowEditButton="True" ShowDeleteButton="True"
/>
            </Columns>
        </asp:GridView>
        <br />
        <h4>Add New Food Item</h4>
        <asp:TextBox ID="txtName" runat="server" Placeholder="Food Name" />
        <asp:TextBox ID="txtPrice" runat="server" Placeholder="Price" />
        <asp:TextBox ID="txtQty" runat="server" Placeholder="Quantity" />
        <asp:Button ID="btnAdd" runat="server" Text="Add" OnClick="btnAdd_Click"
/>
    </div>
</form>
</body>
</html>

```

ManageFood.aspx.vb

```

Imports System.Data
Imports System.Data.SqlClient

Partial Class ManageFood
    Inherits System.Web.UI.Page

    Dim connStr As String = "Data Source=DESKTOP-TQTJRA3;Initial
Catalog=Lab13db;Integrated Security=True"

    Protected Sub Page_Load(sender As Object, e As EventArgs) Handles Me.Load
        If Not IsPostBack Then
            LoadFoodItems()
        End If
    End Sub

    Private Sub LoadFoodItems()
        Using conn As New SqlConnection(connStr)
            Dim cmd As New SqlCommand("SELECT * FROM FoodItems", conn)
            Dim da As New SqlDataAdapter(cmd)
            Dim dt As New DataTable()
            da.Fill(dt)
            gvFoodItems.DataSource = dt
            gvFoodItems.DataBind()
        End Using
    End Sub

    Protected Sub btnAdd_Click(sender As Object, e As EventArgs)
        Using conn As New SqlConnection(connStr)
            Dim cmd As New SqlCommand("INSERT INTO FoodItems (FoodName, Price,
QuantityAvailable) VALUES (@name, @price, @qty)", conn)
            cmd.Parameters.AddWithValue("@name", txtName.Text.Trim())
            cmd.Parameters.AddWithValue("@price",
Convert.ToDecimal(txtPrice.Text.Trim()))
            cmd.Parameters.AddWithValue("@qty", Convert.ToInt32(txtQty.Text.Trim()))
            conn.Open()
            cmd.ExecuteNonQuery()
            conn.Close()

```

```

        End Using
        LoadFoodItems()
        txtName.Text = ""
        txtPrice.Text = ""
        txtQty.Text = ""
    End Sub

    Protected Sub gvFoodItems_RowEditing(sender As Object, e As
GridViewEditEventArgs)
        gvFoodItems.EditIndex = e.NewEditIndex
        LoadFoodItems()
    End Sub

    Protected Sub gvFoodItems_RowCancelingEdit(sender As Object, e As
GridViewCancelEventArgs)
        gvFoodItems.EditIndex = -1
        LoadFoodItems()
    End Sub

    Protected Sub gvFoodItems_RowUpdating(sender As Object, e As
GridViewUpdateEventArgs)
        Dim id As Integer = Convert.ToInt32(gvFoodItems.DataKeys(e.RowIndex).Value)
        Dim name As String =
CType(gvFoodItems.Rows(e.RowIndex).Cells(1).Controls(0), TextBox).Text
        Dim price As Decimal =
Convert.ToDecimal(CType(gvFoodItems.Rows(e.RowIndex).Cells(2).Controls(0),
TextBox).Text)
        Dim qty As Integer =
Convert.ToInt32(CType(gvFoodItems.Rows(e.RowIndex).Cells(3).Controls(0),
TextBox).Text)

        Using conn As New SqlConnection(connStr)
            Dim cmd As New SqlCommand("UPDATE FoodItems SET FoodName=@name,
Price=@price, QuantityAvailable=@qty WHERE FoodID=@id", conn)
            cmd.Parameters.AddWithValue("@name", name)
            cmd.Parameters.AddWithValue("@price", price)
            cmd.Parameters.AddWithValue("@qty", qty)
            cmd.Parameters.AddWithValue("@id", id)
            conn.Open()
            cmd.ExecuteNonQuery()
            conn.Close()
        End Using

        gvFoodItems.EditIndex = -1
        LoadFoodItems()
    End Sub

    Protected Sub gvFoodItems_RowDeleting(sender As Object, e As
GridViewDeleteEventArgs)
        Dim id As Integer = Convert.ToInt32(gvFoodItems.DataKeys(e.RowIndex).Value)
        Using conn As New SqlConnection(connStr)
            Dim cmd As New SqlCommand("DELETE FROM FoodItems WHERE FoodID=@id",
conn)
            cmd.Parameters.AddWithValue("@id", id)
            conn.Open()
            cmd.ExecuteNonQuery()
            conn.Close()
        End Using
    End Sub

```

```

        LoadFoodItems()
    End Sub
End Class

```

MyOrders.aspx

```

<%@ Page Language="VB" AutoEventWireup="false" CodeFile="MyOrders.aspx.vb"
Inherits="MyOrders" %>

<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title>My Orders</title>
    <style>
        body { font-family: Arial; padding: 40px; }
        .container { max-width: 900px; margin: auto; }
        h2 { color: #333; }
        table { width: 100%; border-collapse: collapse; margin-top: 20px; }
        th, td { border: 1px solid #ccc; padding: 10px; text-align: left; }
        th { background-color: #f2f2f2; }
        .message { margin-top: 20px; color: red; font-weight: bold; }
    </style>
</head>
<body>
    <form id="form1" runat="server">
        <div class="container">
            <h2>My Orders</h2>

            <asp:Label ID="lblStatus" runat="server" CssClass="message" />

            <asp:GridView ID="gvOrders" runat="server" AutoGenerateColumns="False">
                <Columns>
                    <asp:BoundField DataField="OrderID" HeaderText="Order ID" />
                    <asp:BoundField DataField="OrderDate" HeaderText="Date"
DataFormatString="{0:dd-MMM-yyyy HH:mm}" />
                    <asp:BoundField DataField="FoodName" HeaderText="Food Item" />
                    <asp:BoundField DataField="Quantity" HeaderText="Quantity" />
                    <asp:BoundField DataField="TotalPrice" HeaderText="Total Price"
DataFormatString="{0:C}" />
                </Columns>
            </asp:GridView>
        </div>
    </form>
</body>
</html>

```

MyOrders.aspx.vb

```

Imports System.Data
Imports System.Data.SqlClient

Partial Class MyOrders
    Inherits System.Web.UI.Page

```

```

Dim connStr As String = "Data Source=DESKTOP-TQTJRA3;Initial
Catalog=Lab13db;Integrated Security=True"

Protected Sub Page_Load(ByVal sender As Object, ByVal e As EventArgs) Handles
Me.Load
    If Session("UserID") Is Nothing OrElse Session("UserRole") Is Nothing OrElse
Session("UserRole").ToString() <> "Customer" Then
        Response.Redirect("Login.aspx")
    End If

    If Not IsPostBack Then
        LoadOrders()
    End If
End Sub

Private Sub LoadOrders()
    Using conn As New SqlConnection(connStr)
        Dim query As String = ""
        query &= "SELECT "
        query &= "    o.OrderID, "
        query &= "    o.OrderDate, "
        query &= "    f.FoodName, "
        query &= "    od.Quantity, "
        query &= "    od.TotalPrice "
        query &= "FROM Orders o "
        query &= "INNER JOIN OrderDetails od ON o.OrderID = od.OrderID "
        query &= "INNER JOIN FoodItems f ON od.FoodID = f.FoodID "
        query &= "WHERE o.UserID = @UserID "
        query &= "ORDER BY o.OrderDate DESC, o.OrderID DESC"

        Dim cmd As New SqlCommand(query, conn)
        cmd.Parameters.AddWithValue("@UserID", Session("UserID"))

        Dim da As New SqlDataAdapter(cmd)
        Dim dt As New DataTable()
        da.Fill(dt)

        If dt.Rows.Count > 0 Then
            gvOrders.DataSource = dt
            gvOrders.DataBind()
            lblStatus.Text = ""
        Else
            gvOrders.DataSource = Nothing
            gvOrders.DataBind()
            lblStatus.Text = "You have not placed any orders yet."
        End If
    End Using
End Sub
End Class

```

PlaceOrder.aspx

```

<%@ Page Language="VB" AutoEventWireup="false" CodeFile="PlaceOrder.aspx.vb"
Inherits="PlaceOrder" %>

```

```

<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title>Place Order</title>
</head>
<body>
    <form id="form1" runat="server">
        <div style="width:700px; margin:100px auto; padding:20px; border:1px solid
#ccc; border-radius:10px;">
            <h2>Place Your Order</h2>

            <asp:GridView ID="gvFoodItems" runat="server"
AutoGenerateColumns="False" DataKeyNames="FoodID">
                <Columns>
                    <asp:BoundField DataField="FoodName" HeaderText="Food Name" />
                    <asp:BoundField DataField="Price" HeaderText="Price ($)" />
                    <asp:TemplateField HeaderText="Quantity">
                        <ItemTemplate>
                            <asp:TextBox ID="txtQuantity" runat="server"
Width="50px" Text="0" />
                        </ItemTemplate>
                    </asp:TemplateField>
                </Columns>
            </asp:GridView>

            <br />
            <asp:Button ID="btnPlaceOrder" runat="server" Text="Place Order"
OnClick="btnPlaceOrder_Click" />
            <br /><br />
            <asp:Label ID="lblMessage" runat="server" ForeColor="Green" Font-
Bold="True" /><br />
            <asp:Label ID="lblTotalBill" runat="server" ForeColor="Blue" Font-
Bold="True" Font-Size="Large" />
        </div>
    </form>
</body>
</html>

```

PlaceOrder.aspx.vb

```

Imports System.Data
Imports System.Data.SqlClient

Partial Class PlaceOrder
    Inherits System.Web.UI.Page

    Dim connStr As String = "Data Source=DESKTOP-TQTJRA3;Initial
Catalog=Lab13db;Integrated Security=True"

    Protected Sub Page_Load(ByVal sender As Object, ByVal e As EventArgs) Handles
Me.Load
        If Not IsPostBack Then
            If Session("UserID") Is Nothing OrElse Session("UserRole").ToString() <>
"Customer" Then
                Response.Redirect("Login.aspx")
            End If
            LoadFoodItems()
        End If
    End Sub

```

```

    End If
End Sub

Private Sub LoadFoodItems()
    Using conn As New SqlConnection(connStr)
        Dim cmd As New SqlCommand("SELECT FoodID, FoodName, Price FROM FoodItems
WHERE QuantityAvailable > 0", conn)
        Dim da As New SqlDataAdapter(cmd)
        Dim dt As New DataTable()
        da.Fill(dt)
        gvFoodItems.DataSource = dt
        gvFoodItems.DataBind()
    End Using
End Sub

Protected Sub btnPlaceOrder_Click(sender As Object, e As EventArgs)
    Dim selectedItems As New List(Of Tuple(Of Integer, Integer)) ' FoodID,
Quantity

    For Each row As GridViewRow In gvFoodItems.Rows
        Dim foodID As Integer =
Convert.ToInt32(gvFoodItems.DataKeys(row.RowIndex).Value)
        Dim txtQty As TextBox = CType(row.FindControl("txtQuantity"), TextBox)
        Dim qty As Integer = 0
        Integer.TryParse(txtQty.Text.Trim(), qty)
        If qty > 0 Then
            selectedItems.Add(New Tuple(Of Integer, Integer)(foodID, qty))
        End If
    Next

    If selectedItems.Count = 0 Then
        lblMessage.ForeColor = Drawing.Color.Red
        lblMessage.Text = "Please select at least one item."
        lblTotalBill.Text = ""
        Return
    End If

    Dim totalBill As Decimal = 0

    Using conn As New SqlConnection(connStr)
        conn.Open()
        Dim trans As SqlTransaction = conn.BeginTransaction()

        Try
            ' Create new order
            Dim cmdOrder As New SqlCommand("INSERT INTO Orders (UserID,
OrderDate) VALUES (@UserID, @OrderDate); SELECT SCOPE_IDENTITY();", conn, trans)
            cmdOrder.Parameters.AddWithValue("@UserID", Session("UserID"))
            cmdOrder.Parameters.AddWithValue("@OrderDate", DateTime.Now)
            Dim orderID As Integer = Convert.ToInt32(cmdOrder.ExecuteScalar())

            For Each item In selectedItems
                Dim foodID = item.Item1
                Dim quantity = item.Item2

                ' Get food price and quantity
                Dim cmdCheck As New SqlCommand("SELECT Price, QuantityAvailable
FROM FoodItems WHERE FoodID=@FoodID", conn, trans)

```

```

        cmdCheck.Parameters.AddWithValue("@FoodID", foodID)
        Dim reader = cmdCheck.ExecuteReader()
        If reader.Read() Then
            Dim price = Convert.ToDecimal(reader("Price"))
            Dim stock = Convert.ToInt32(reader("QuantityAvailable"))
            reader.Close()

            If stock < quantity Then
                Throw New Exception("Insufficient stock for Food ID: " &
foodID)
            End If

            ' Insert order detail
            Dim total = price * quantity
            totalBill += total

            Dim cmdDetail As New SqlCommand("INSERT INTO OrderDetails
(OrderID, FoodID, Quantity, TotalPrice) VALUES (@OrderID, @FoodID, @Quantity,
@TotalPrice)", conn, trans)
            cmdDetail.Parameters.AddWithValue("@OrderID", orderID)
            cmdDetail.Parameters.AddWithValue("@FoodID", foodID)
            cmdDetail.Parameters.AddWithValue("@Quantity", quantity)
            cmdDetail.Parameters.AddWithValue("@TotalPrice", total)
            cmdDetail.ExecuteNonQuery()

            ' Update stock
            Dim cmdUpdateStock As New SqlCommand("UPDATE FoodItems SET
QuantityAvailable = QuantityAvailable - @Qty WHERE FoodID = @FoodID", conn, trans)
            cmdUpdateStock.Parameters.AddWithValue("@Qty", quantity)
            cmdUpdateStock.Parameters.AddWithValue("@FoodID", foodID)
            cmdUpdateStock.ExecuteNonQuery()
        Else
            reader.Close()
            Throw New Exception("Invalid food item.")
        End If
    Next

    trans.Commit()
    lblMessage.ForeColor = Drawing.Color.Green
    lblMessage.Text = "Order placed successfully!"
    lblTotalBill.Text = "Total Bill: $" & totalBill.ToString("F2")
    LoadFoodItems()

Catch ex As Exception
    trans.Rollback()
    lblMessage.ForeColor = Drawing.Color.Red
    lblMessage.Text = "Error: " & ex.Message
    lblTotalBill.Text = ""
End Try
End Using
End Sub
End Class

```

Unauthorized.aspx

```
<%@ Page Language="VB" AutoEventWireup="false" CodeFile="Unauthorized.aspx.vb"
Inherits="Unauthorized" %>
```

```
<!DOCTYPE html>
<html>
<head runat="server">
    <title>Access Denied</title>
</head>
<body>
    <div style="text-align: center; margin-top: 100px;">
        <h1 style="color: red;">Access Denied</h1>
        <p>You do not have permission to view this page.</p>
        <a href="Login.aspx">Go to Login</a>
    </div>
</body>
</html>
```

Users.aspx

```
<%@ Page Language="VB" AutoEventWireup="false" CodeFile="Users.aspx.vb"
Inherits="Users" %>
```

```
<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title>Manage Users</title>
</head>
<body>
    <form id="form1" runat="server">
        <div style="width:700px; margin: 40px auto;">
            <h2>Manage Users</h2>
            <asp:GridView ID="gvUsers" runat="server" AutoGenerateColumns="False"
OnRowDeleting="gvUsers_RowDeleting" DataKeyNames="UserID" Width="100%" >
                <Columns>
                    <asp:BoundField DataField="UserID" HeaderText="User ID"
ReadOnly="True" />
                    <asp:BoundField DataField="FullName" HeaderText="Full Name" />
                    <asp:BoundField DataField="Email" HeaderText="Email" />
                    <asp:BoundField DataField="Role" HeaderText="Role" />
                    <asp:TemplateField HeaderText="Actions">
                        <ItemTemplate>
                            <asp:Button ID="btnDelete" runat="server"
CommandName="Delete" Text="Delete" OnClientClick="return confirm('Are you sure you
want to delete this user?');" />
                        </ItemTemplate>
                    </asp:TemplateField>
                </Columns>
            </asp:GridView>
        </div>
    </form>
</body>
</html>
```

Users.aspx.vb

```
Imports System.Data
```

```

Imports System.Data.SqlClient

Partial Class Users
    Inherits System.Web.UI.Page

    Dim connStr As String = "Data Source=DESKTOP-TQTJRA3;Initial
Catalog=Lab13db;Integrated Security=True"

    Protected Sub Page_Load(ByVal sender As Object, ByVal e As EventArgs) Handles
Me.Load
        If Not IsPostBack Then
            LoadUsers()
        End If
    End Sub

    Private Sub LoadUsers()
        Using conn As New SqlConnection(connStr)
            Dim query As String = "SELECT UserID, FullName, Email, Role FROM Users
ORDER BY UserID"
            Using cmd As New SqlCommand(query, conn)
                conn.Open()
                Dim dt As New DataTable()
                Dim reader As SqlDataReader = cmd.ExecuteReader()
                dt.Load(reader)
                gvUsers.DataSource = dt
                gvUsers.DataBind()
            End Using
        End Using
    End Sub

    Protected Sub gvUsers_RowDeleting(sender As Object, e As
GridViewDeleteEventArgs)
        Dim userId As Integer = Convert.ToInt32(gvUsers.DataKeys(e.RowIndex).Value)

        Using conn As New SqlConnection(connStr)
            Dim query As String = "DELETE FROM Users WHERE UserID = @UserID"
            Using cmd As New SqlCommand(query, conn)
                cmd.Parameters.AddWithValue("@UserID", userId)
                conn.Open()
                cmd.ExecuteNonQuery()
            End Using
        End Using

        LoadUsers()
    End Sub
End Class

```

ViewFeedback.aspx

```

<%@ Page Language="VB" AutoEventWireup="false" CodeFile="ViewFeedback.aspx.vb"
Inherits="ViewFeedback" %>

<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">

```

```

<title>Customer Feedback</title>
<style>
    table {
        border-collapse: collapse;
        width: 80%;
        margin: 20px auto;
    }
    th, td {
        border: 1px solid #888;
        padding: 8px;
        text-align: left;
    }
    th {
        background-color: #ccc;
    }
</style>
</head>
<body>
    <form id="form1" runat="server">
        <h2 style="text-align:center;">Customer Feedback</h2>
        <asp:GridView ID="gvFeedback" runat="server" AutoGenerateColumns="False"
EmptyDataText="No feedback available.">
            <Columns>
                <asp:BoundField DataField="FullName" HeaderText="Customer Name" />
                <asp:BoundField DataField="Email" HeaderText="Email" />
                <asp:BoundField DataField="FoodName" HeaderText="Food Item" />
                <asp:BoundField DataField="Rating" HeaderText="Rating" />
                <asp:BoundField DataField="Comment" HeaderText="Comment" />
                <asp:BoundField DataField="SubmittedAt" HeaderText="Date"
DataFormatString="{0:yyyy-MM-dd HH:mm}" />
            </Columns>
        </asp:GridView>
    </form>
</body>
</html>

```

ViewFeedback.aspx.vb

```

Imports System.Data
Imports System.Data.SqlClient

Partial Class ViewFeedback
    Inherits System.Web.UI.Page

    Private connStr As String = "Data Source=DESKTOP-TQTJRA3;Initial
Catalog=Lab13db;Integrated Security=True"

    Protected Sub Page_Load(sender As Object, e As EventArgs) Handles Me.Load
        If Not IsPostBack Then
            LoadFeedback()
        End If
    End Sub

    Private Sub LoadFeedback()
        Using conn As New SqlConnection(connStr)
            Dim query As String = "SELECT u.FullName, u.Email, f.Rating, f.Comment,
f.SubmittedAt, fi.FoodName " &

```

```

        "FROM Feedback f " &
        "INNER JOIN Users u ON f.UserID = u.UserID " &
        "INNER JOIN Orders o ON f.OrderID = o.OrderID " &
        "INNER JOIN OrderDetails od ON o.OrderID =
od.OrderID " &
        "INNER JOIN FoodItems fi ON od.FoodID = fi.FoodID
" &
        "WHERE f.OrderID = od.OrderID " &
        "ORDER BY f.SubmittedAt DESC"

        Using cmd As New SqlCommand(query, conn)
            conn.Open()
            Dim reader As SqlDataReader = cmd.ExecuteReader()
            Dim dt As New DataTable()
            dt.Load(reader)
            gvFeedback.DataSource = dt
            gvFeedback.DataBind()
        End Using
    End Using
End Sub

End Class

```

ViewMenu.aspx

```

<%@ Page Language="VB" AutoEventWireup="false" CodeFile="ViewMenu.aspx.vb"
Inherits="ViewMenu" %>

<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title>View Menu - Food Management System</title>
    <style>
        table {
            width: 70%;
            margin: 30px auto;
            border-collapse: collapse;
        }
        th, td {
            border: 1px solid #aaa;
            padding: 10px;
            text-align: center;
        }
        th {
            background-color: #f5f5f5;
        }
    </style>
</head>
<body>
    <form id="form1" runat="server">
        <h2 style="text-align:center;">Available Food Menu</h2>
        <asp:GridView ID="gvFoodMenu" runat="server" AutoGenerateColumns="False"
Width="70%"
            EmptyDataText="No food items available.">

```

```

        <Columns>
            <asp:BoundField DataField="FoodID" HeaderText="ID" />
            <asp:BoundField DataField="FoodName" HeaderText="Food Name" />
            <asp:BoundField DataField="Price" HeaderText="Price ($)"
DataFormatString="{0:F2}" />
            <asp:BoundField DataField="QuantityAvailable" HeaderText="Available
Quantity" />
        </Columns>
    </asp:GridView>
</form>
</body>
</html>

```

ViewMenu.aspx.vb

```

Imports System.Data.SqlClient

Partial Class ViewMenu
    Inherits System.Web.UI.Page

    Protected Sub Page_Load(sender As Object, e As EventArgs) Handles Me.Load
        If Not IsPostBack Then
            LoadFoodMenu()
        End If
    End Sub

    Private Sub LoadFoodMenu()
        Dim connString As String = "Data Source=DESKTOP-TQTJRA3;Initial
Catalog=Lab13db;Integrated Security=True"
        Dim query As String = "SELECT FoodID, FoodName, Price, QuantityAvailable
FROM FoodItems"

        Using conn As New SqlConnection(connString)
            Using cmd As New SqlCommand(query, conn)
                conn.Open()
                Dim reader As SqlDataReader = cmd.ExecuteReader()
                gvFoodMenu.DataSource = reader
                gvFoodMenu.DataBind()
                conn.Close()
            End Using
        End Using
    End Sub
End Class

```

ViewOrders.aspx

```

<%@ Page Language="VB" AutoEventWireup="false" CodeFile="ViewOrders.aspx.vb"
Inherits="ViewOrders" %>

<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title>View Orders</title>
</head>

```

```

<body>
    <form id="form1" runat="server">
        <div style="width:700px; margin:50px auto; padding:20px; border:1px solid
#ccc; border-radius:10px;">
            <h2>All Orders</h2>
            <asp:GridView ID="gvOrders" runat="server" AutoGenerateColumns="False"
EmptyDataText="No orders found.">
                <Columns>
                    <asp:BoundField DataField="OrderID" HeaderText="Order ID"
ReadOnly="True" />
                    <asp:BoundField DataField="FullName" HeaderText="Customer Name"
/>
                    <asp:BoundField DataField="Email" HeaderText="Email" />
                    <asp:BoundField DataField="OrderDate" HeaderText="Order Date"
DataFormatString="{0:yyyy-MM-dd HH:mm}" />
                </Columns>
            </asp:GridView>
        </div>
    </form>
</body>
</html>

```

.vb

```

Imports System.Data
Imports System.Data.SqlClient

Partial Class ViewOrders
    Inherits System.Web.UI.Page

    Dim connStr As String = "Data Source=DESKTOP-TQTJRA3;Initial
Catalog=Lab13db;Integrated Security=True"

    Protected Sub Page_Load(sender As Object, e As EventArgs) Handles Me.Load
        If Not IsPostBack Then
            LoadOrders()
        End If
    End Sub

    Private Sub LoadOrders()
        Using conn As New SqlConnection(connStr)
            Dim query As String = "SELECT o.OrderID, u.FullName, u.Email,
o.OrderDate " &
                                "FROM Orders o " &
                                "INNER JOIN Users u ON o.UserID = u.UserID " &
                                "ORDER BY o.OrderDate DESC"

            Dim cmd As New SqlCommand(query, conn)
            Dim da As New SqlDataAdapter(cmd)
            Dim dt As New DataTable()
            da.Fill(dt)
            gvOrders.DataSource = dt
            gvOrders.DataBind()
        End Using
    End Sub

```

End Class

Web.config

```
<?xml version="1.0"?>
<configuration>
  <!--
    For a description of web.config changes see
    http://go.microsoft.com/fwlink/?LinkId=235367.

    The following attributes can be set on the <httpRuntime> tag.
    <system.Web>
      <httpRuntime targetFramework="4.8.1" />
    </system.Web>
  -->
  <system.web>
    <compilation debug="true" targetFramework="4.8.1"/>
    <pages controlRenderingCompatibilityVersion="4.0"/>
    <sessionState timeout="20" />
  </system.web>
</configuration>
```