



MESS MANAGEMENT SYSTEM

Name: Muhammad Talal Haider

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Site.master:

```
<%@ Master Language="VB" AutoEventWireup="false" CodeFile="Site.master.vb"
Inherits="Site" %>

<!DOCTYPE html>

<html>

<head runat="server">

    <title>Mess Management System</title>

    <link href="/IADProject/Styles.css" rel="stylesheet" type="text/css" />

    <asp:ContentPlaceholder ID="head" runat="server" />

</head>

<body>

    <form id="form1" runat="server">

        <div class="navbar">

            <a href="Home.aspx">Home</a>

            <a href="StudentDashboard.aspx">Dashboard</a>

            <a href="PlaceOrder.aspx">Place Order</a>

            <a href="OrderHistory.aspx">My Orders</a>

            <a href="ViewBill.aspx">My Bill</a>

            <a href="MakePayment.aspx">Make Payment</a>

            <a href="Logout.aspx">Logout</a>

        </div>

        <div class="content">

            <asp:ContentPlaceholder ID="MainContent" runat="server" />

        </div>

    </form>

</body>

</html>
```

Site.master.vb:

Partial Class Site

Inherits System.Web.UI.MasterPage

End Class

Common Pages:

Home.aspx:

```
<%@ Page Title="Home" Language="VB" MasterPageFile="~/IADProject/Site.master"
AutoEventWireup="false" CodeFile="Home.aspx.vb" Inherits="Home" %>
```

```
<asp:Content ID="Content1" ContentPlaceHolderID="MainContent" runat="server">
```

```
    <h1 style="text-align:center; color:darkblue;">PIEAS MESS MANAGEMENT
SYSTEM</h1>
```

```
    <hr />
```

```
    <asp:Label ID="lblUserGreeting" runat="server" Font-Bold="True" Font-
Size="Large" ForeColor="Green"></asp:Label>
```

```
    <asp:Panel ID="pnlGuest" runat="server">
```

```
        <p>If you are a student, please <a href="Login.aspx">Login</a> or <a
href="Register.aspx">Register</a> to start using the service.</p>
```

```
    </asp:Panel>
```

```
    <asp:Panel ID="pnlStudent" runat="server" Visible="False">
```

```
        <h3>Student Options:</h3>
```

```
        <ul>
```

```
            <li><a href="StudentDashboard.aspx">Go to Dashboard</a></li>
```

```
            <li><a href="#">View Available Meals</a></li>
```

```
            <li><a href="#">View My Bill</a></li>
```

```
            <li><a href="#">Make a Payment</a></li>
```

```
        </ul>
```

```
    </asp:Panel>
```

```
    <asp:Panel ID="pnlAdmin" runat="server" Visible="False">
```

```
<h3>Admin Options:</h3>

<ul>

    <li><a href="AdminDashboard.aspx">Go to Admin Dashboard</a></li>

    <li><a href="#">Manage Users</a></li>

    <li><a href="#">Manage Products</a></li>

    <li><a href="#">View All Bills</a></li>

</ul>

</asp:Panel>

</asp:Content>
```

[Home.aspx.vb:](#)

Partial Class Home

Inherits System.Web.UI.Page

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

 If Session("Username") IsNot Nothing Then

 lblUserGreeting.Text = "Hello, " & Session("Username") & "! Glad
to see you back."

 Else

 lblUserGreeting.Text = ""

 End If

End Sub

End Class

Register.aspx:

```
<%@ Page Language="VB" MasterPageFile="~/IADProject/Site.master"
AutoEventWireup="false" CodeFile="Register.aspx.vb" Inherits="Register" %>

<asp:Content ID="Content1" ContentPlaceHolderID="MainContent" runat="server">
    <h2>Student Registration</h2>

    <asp:Label ID="lblMessage" runat="server" ForeColor="Red"></asp:Label><br
/><br />

    Name:<br />
    <asp:TextBox ID="txtName" runat="server"></asp:TextBox><br />

    CNIC:<br />
    <asp:TextBox ID="txtCNIC" runat="server"></asp:TextBox><br />

    Username:<br />
    <asp:TextBox ID="txtUsername" runat="server"></asp:TextBox><br />

    Password:<br />
    <asp:TextBox ID="txtPassword" runat="server"
    TextMode="Password"></asp:TextBox><br />

    Phone Number:<br />
    <asp:TextBox ID="txtPhone" runat="server"></asp:TextBox><br />

    Address:<br />
    <asp:TextBox ID="txtAddress" runat="server"></asp:TextBox><br /><br />

    <asp:Button ID="btnRegister" runat="server" Text="Register" />
```

</asp:Content>

Register.aspx.vb:

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

```
Partial Class Register
```

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

```
    Dim conStr As String = "workstation
id=db_tala17_07.mssql.somee.com;packet size=4096;user
id=tala17_07_SQLLogin_1;pwd=kslv811wh2;data
source=db_tala17_07.mssql.somee.com;persist security info=False;initial
catalog=db_tala17_07;TrustServerCertificate=True"
```

```
    Protected Sub btnRegister_Click(sender As Object, e As EventArgs) Handles
btnRegister.Click
```

```
        Try
```

```
            Using con As New SqlConnection(conStr)
```

```
                con.Open()
```

```
                '  Check if CNIC already exists
```

```
                Dim checkQuery As String = "SELECT COUNT(*) FROM
REGISTERUSER_T WHERE CNIC = @CNIC"
```

```
                Using checkCmd As New SqlCommand(checkQuery, con)
```

```
                    checkCmd.Parameters.AddWithValue("@CNIC", txtCNIC.Text)
```

```
                    Dim exists As Integer =
Convert.ToInt32(checkCmd.ExecuteScalar())
```

```
                    If exists > 0 Then
```

```
                        lblMessage.ForeColor = Drawing.Color.Red
```

```

        lblMessage.Text = "This CNIC is already registered."

        Return

    End If

End Using

'  If CNIC is unique, insert new user

    Dim insertQuery As String = "INSERT INTO REGISTERUSER_T
(NAME, CNIC, USERNAME, PASSWORD, PHONENUMBER, ADDRESS, ROLEID) " &
                                "VALUES (@Name, @CNIC, @Username,
@Password, @Phone, @Address, 2)"

    Using insertCmd As New SqlCommand(insertQuery, con)
        insertCmd.Parameters.AddWithValue("@Name", txtName.Text)
        insertCmd.Parameters.AddWithValue("@CNIC", txtCNIC.Text)
        insertCmd.Parameters.AddWithValue("@Username",
txtUsername.Text)
        insertCmd.Parameters.AddWithValue("@Password",
txtPassword.Text)
        insertCmd.Parameters.AddWithValue("@Phone",
txtPhone.Text)
        insertCmd.Parameters.AddWithValue("@Address",
txtAddress.Text)

        insertCmd.ExecuteNonQuery()

        lblMessage.ForeColor = Drawing.Color.Green
        lblMessage.Text = "Registration successful. You can now
log in."

        Response.Redirect("Login.aspx")

    End Using

```

```

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

```

Login.aspx:

```

<%@ Page Language="VB" MasterPageFile="/IADProject/Site.master"
AutoEventWireup="false" CodeFile="Login.aspx.vb" Inherits="Login" %>

<asp:Content ID="Content1" ContentPlaceHolderID="MainContent" runat="server">
    <h2>Login</h2>
    <asp:Label ID="lblMessage" runat="server" ForeColor="Red"></asp:Label><br
/>
    Username:
    <asp:TextBox ID="txtUsername" runat="server"></asp:TextBox><br />
    Password:
    <asp:TextBox ID="txtPassword" runat="server"
    TextMode="Password"></asp:TextBox><br /><br />
    <asp:Button ID="btnLogin" runat="server" Text="Login"
    OnClick="btnLogin_Click"/>

    <br /><br />
    <div style="color: red; font-weight: bold;">
        Use these credentials for login
    </div>

```

```

        <div style="background-color: #d4fcd4; color: green; padding: 10px;
border: 1px solid green; margin-top: 5px;">

            <strong>Username:</strong> student08<br />

            <strong>Password:</strong> pass890<br />

            <strong>Username:</strong> admin<br />

            <strong>Password:</strong> admin123

        </div>
</asp:Content>

```

Login.aspx.vb:

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

```
Partial Class Login
```

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

```

        Dim conStr As String = "workstation
id=db_talal7_07.mssql.somee.com;packet size=4096;user
id=talal7_07_SQLLogin_1;pwd=kslv811wh2;data
source=db_talal7_07.mssql.somee.com;persist security info=False;initial
catalog=db_talal7_07;TrustServerCertificate=True"

```

```

        Protected Sub btnLogin_Click(sender As Object, e As EventArgs) Handles
btnLogin.Click

```

```
            Try
```

```
                Using con As New SqlConnection(conStr)
```

```

                    Dim cmd As New SqlCommand("SELECT USERID, ROLEID, USERNAME
FROM REGISTERUSER_T WHERE USERNAME=@username AND PASSWORD=@password", con)

```

```

                        cmd.Parameters.AddWithValue("@username",
txtUsername.Text.Trim())

```

```

                        cmd.Parameters.AddWithValue("@password",
txtPassword.Text.Trim())

```

```
con.Open()

Dim reader As SqlDataReader = cmd.ExecuteReader()

If reader.Read() Then
    '  Set session for USERID so MakePayment.aspx can
retrieve it
    Session("USERID") = Convert.ToInt32(reader("USERID"))
    Session("ROLEID") = Convert.ToInt32(reader("ROLEID"))
    Session("Username") = reader("USERNAME").ToString()

    '  Redirect based on ROLEID
    If Session("ROLEID") = 1 Then
        Response.Redirect("AdminDashboard.aspx")
    ElseIf Session("ROLEID") = 2 Then
        Response.Redirect("StudentDashboard.aspx")
    Else
        lblMessage.ForeColor = Drawing.Color.Red
        lblMessage.Text = "Unauthorized role."
    End If
Else
    lblMessage.ForeColor = Drawing.Color.Red
    lblMessage.Text = "Invalid username or password."
End If

reader.Close()

End Using

Catch ex As Exception
```

```
        lblMessage.ForeColor = Drawing.Color.Red  
        lblMessage.Text = "Error: " & ex.Message  
    End Try  
End Sub  
End Class
```

Logout.aspx:

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

Logout.aspx.vb:

```
Partial Class Logout  
    Inherits System.Web.UI.Page  
  
    Protected Sub Page_Load(sender As Object, e As EventArgs) Handles Me.Load  
        Session.Clear()  
        Session.Abandon()  
        Response.Redirect("Home.aspx")  
    End Sub  
End Class
```

Student pages:

StudentDashboard.aspx:

```
<%@ Page Language="VB" MasterPageFile="~/IADProject/Site.master"
AutoEventWireup="false" CodeFile="StudentDashboard.aspx.vb"
Inherits="StudentDashboard" %>

<asp:Content ID="Content1" ContentPlaceHolderID="MainContent" runat="server">
    <h2>Welcome to the Student Dashboard</h2>
    <asp:Label ID="lblWelcome" runat="server" Font-Bold="True"></asp:Label>
</asp:Content>
```

StudentDashboard.aspx.vb:

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

```
Partial Class StudentDashboard
```

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

```
    Dim conStr As String = "workstation
id=db_talal7_07.mssql.somee.com;packet size=4096;user
id=talal7_07_SQLLogin_1;pwd=kslv811wh2;data
source=db_talal7_07.mssql.somee.com;persist security info=False;initial
catalog=db_talal7_07;TrustServerCertificate=True"
```

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

```
        If Not IsPostBack Then
```

```
            If Session("USERID") Is Nothing Or Session("ROLEID") <> 2 Then
```

```
                Response.Redirect("Login.aspx")
```

```
            Else
```

```
                Dim con As New SqlConnection(conStr)
```

```

        Dim cmd As New SqlCommand("SELECT NAME FROM REGISTERUSER_T
WHERE USERID=@userid", con)

        cmd.Parameters.AddWithValue("@userid", Session("USERID"))

        con.Open()

        Dim reader As SqlDataReader = cmd.ExecuteReader()

        If reader.Read() Then

            lblWelcome.Text = "Hello, " & reader("NAME")

        End If

        con.Close()

    End If

End If

End Sub

End Class

```

PlaceOrder.aspx:

```

<%@ Page Title="Place Order" Language="VB"
MasterPageFile="~/IADProject/Site.master" AutoEventWireup="false"
CodeFile="PlaceOrder.aspx.vb" Inherits="PlaceOrder" %>

<asp:Content ID="Content1" ContentPlaceHolderID="MainContent" runat="server">

    <h2><img alt="Shopping cart icon" data-bbox="198 681 218 696"/> Place Your Order</h2>

    <asp:Label ID="lblMsg" runat="server" ForeColor="Red"></asp:Label>

    <asp:Repeater ID="rptProductLines" runat="server"
OnItemDataBound="rptProductLines_ItemDataBound">

        <ItemTemplate>

            <h3><%# Eval("PRODUCTLINENAME") %> (<%# Eval("CATEGORY") %>)</h3>

            <asp:Repeater ID="rptProducts" runat="server">

                <ItemTemplate>

```

```

        <div style="margin-left:30px; margin-bottom:10px;">
            <asp:CheckBox ID="chkSelect" runat="server" Text='<#
Eval("PRODUCTNAME") & " - Rs. " & Eval("PRODUCTPRICE") %>' />
            &nbsp;&nbsp;&nbsp;&nbsp;&Qty:
            <asp:TextBox ID="txtQty" runat="server" Width="40px"
Text="1" />
            <asp:HiddenField ID="hfProductID" runat="server"
Value='<# Eval("PRODUCTID") %>' />
            <asp:HiddenField ID="hfProductPrice" runat="server"
Value='<# Eval("PRODUCTPRICE") %>' />
            <asp:HiddenField ID="hfProductLineID" runat="server"
Value='<# Eval("PRODUCTLINEID") %>' />
        </div>
    </ItemTemplate>
</asp:Repeater>
</ItemTemplate>
</asp:Repeater>
<br />
    <asp:Button ID="btnPlaceOrder" runat="server" Text="Place Order"
OnClick="btnPlaceOrder_Click" CssClass="btn" />
</asp:Content>

```

PlaceOrder.aspx.vb:

```
Imports System.Data
```

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

```
Partial Class PlaceOrder
```

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

```
Dim conStr As String = "workstation
id=db_talal7_07.mssql.somee.com;packet size=4096;user
id=talal7_07_SQLLogin_1;pwd=kslv811wh2;data
source=db_talal7_07.mssql.somee.com;persist security info=False;initial
catalog=db_talal7_07;TrustServerCertificate=True"
```

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

```
    If Not IsPostBack Then LoadMeals()
```

```
End Sub
```

```
Private Sub LoadMeals()
```

```
    Dim dtProductLines As New DataTable()
```

```
    Dim dtLines As New DataTable()
```

```
    Using con As New SqlConnection(conStr)
```

```
        Dim cmdLines As New SqlCommand("SELECT * FROM PRODUCTLINE_T",
con)
```

```
        Dim daLines As New SqlDataAdapter(cmdLines)
```

```
        daLines.Fill(dtLines)
```

```
        dtLines.Columns.Add("Products", GetType(Object))
```

```
        For Each row As DataRow In dtLines.Rows
```

```
            Dim dtProducts As New DataTable()
```

```
            Dim cmdProducts As New SqlCommand("SELECT * FROM PRODUCT_T
WHERE PRODUCTLINEID=@PLID", con)
```

```
            cmdProducts.Parameters.AddWithValue("@PLID",
row("PRODUCTLINEID"))
```

```
            Dim daProducts As New SqlDataAdapter(cmdProducts)
```

```

        daProducts.Fill(dtProducts)

        row("Products") = dtProducts
    Next

    rptProductLines.DataSource = dtLines
    rptProductLines.DataBind()

End Using
End Sub

```

```

Protected Sub rptProductLines_ItemDataBound(sender As Object, e As
RepeaterItemEventArgs) Handles rptProductLines.ItemDataBound

    If e.Item.ItemType = ListItemType.Item OrElse e.Item.ItemType =
ListItemType.AlternatingItem Then

        Dim rptProducts As Repeater =
CType(e.Item.FindControl("rptProducts"), Repeater)

        Dim drv As DataRowView = CType(e.Item.DataItem, DataRowView)

        rptProducts.DataSource = drv("Products")

        rptProducts.DataBind()

    End If

End Sub

```

```

Protected Sub btnPlaceOrder_Click(sender As Object, e As EventArgs)

    Dim userID As Integer = 0

    If Session("USERID") IsNot Nothing Then

        Integer.TryParse(Session("USERID").ToString(), userID)

    End If

    If userID = 0 Then

```

```

        lblMsg.Text = "User session expired. Please log in again."

        Return
    End If

    Dim totalPrice As Decimal = 0
    Dim orderID As Integer

    Using con As New SqlConnection(conStr)
        con.Open()
        Dim trans As SqlTransaction = con.BeginTransaction()

        Try
            ' Insert new order with current timestamp
            Dim cmdOrder As New SqlCommand("INSERT INTO ORDERS_T (USERID, ORDERDATE) OUTPUT INSERTED.ORDERID VALUES (@UID, @DATE)", con, trans)
            cmdOrder.Parameters.AddWithValue("@UID", userID)
            cmdOrder.Parameters.AddWithValue("@DATE", DateTime.Now)
            orderID = Convert.ToInt32(cmdOrder.ExecuteScalar())

            ' Loop through product lines and products to process selected
items
            For Each item As RepeaterItem In rptProductLines.Items
                Dim rptProducts As Repeater =
CType(item.FindControl("rptProducts"), Repeater)

                For Each prodItem As RepeaterItem In rptProducts.Items
                    Dim chkSelect As CheckBox =
CType(prodItem.FindControl("chkSelect"), CheckBox)

                    If chkSelect IsNot Nothing AndAlso chkSelect.Checked
Then

```

```

        Dim txtQty As TextBox =
CType(prodItem.FindControl("txtQty"), TextBox)

        Dim hfProductID As HiddenField =
CType(prodItem.FindControl("hfProductID"), HiddenField)

        Dim hfProductPrice As HiddenField =
CType(prodItem.FindControl("hfProductPrice"), HiddenField)

        Dim hfProductLineID As HiddenField =
CType(prodItem.FindControl("hfProductLineID"), HiddenField)


        Dim qty As Integer = 1
        Integer.TryParse(txtQty.Text, qty)
        If qty < 1 Then qty = 1


        Dim price As Decimal = 0D
        Decimal.TryParse(hfProductPrice.Value, price)


        totalPrice += qty * price


        ' Insert into ORDERLINE_T with PRODUCTPRICE
        Dim cmdOL As New SqlCommand("INSERT INTO
ORDERLINE_T (ORDERID, PRODUCTID, QUANTITY, PRODUCTPRICE) VALUES (@OID, @PID,
@QTY, @PRICE)", con, trans)

        cmdOL.Parameters.AddWithValue("@OID", orderID)
        cmdOL.Parameters.AddWithValue("@PID",
hfProductID.Value)

        cmdOL.Parameters.AddWithValue("@QTY", qty)
        cmdOL.Parameters.AddWithValue("@PRICE", price)
        cmdOL.ExecuteNonQuery()


        ' Deduct quantity from PRODUCTLINE_T

```

```

        Dim cmdUpdateQty As New SqlCommand("UPDATE
PRODUCTLINE_T SET PRODUCTQUANTITY = PRODUCTQUANTITY - @QTY WHERE
PRODUCTLINEID = @PLID", con, trans)

        cmdUpdateQty.Parameters.AddWithValue("@QTY", qty)
        cmdUpdateQty.Parameters.AddWithValue("@PLID",
hfProductLineID.Value)

        cmdUpdateQty.ExecuteNonQuery()

    End If

Next

Next

' Calculate tax and total for the bill
Dim thisMonth As String = DateTime.Now.ToString("MMMM")
Dim taxRate As Decimal = 5D
Dim taxAmount As Decimal = totalPrice * taxRate / 100
Dim grandTotal As Decimal = totalPrice + taxAmount

' Check if bill for user and month exists
Dim checkBill As New SqlCommand("SELECT COUNT(*) FROM BILL_T
WHERE USERID=@UID AND MONTH=@MONTH", con, trans)

checkBill.Parameters.AddWithValue("@UID", userID)
checkBill.Parameters.AddWithValue("@MONTH", thisMonth)

Dim exists As Boolean =
Convert.ToInt32(checkBill.ExecuteScalar()) > 0

If exists Then

    ' Update existing bill and set STATUS to Unpaid

    Dim updateBill As New SqlCommand("UPDATE BILL_T SET
BILLPRICE = BILLPRICE + @PRICE, TAX = TAX + @TAX, STATUS = 'Unpaid' WHERE
USERID=@UID AND MONTH=@MONTH", con, trans)

    updateBill.Parameters.AddWithValue("@PRICE", totalPrice)

```

```

        updateBill.Parameters.AddWithValue("@TAX", taxAmount)
        updateBill.Parameters.AddWithValue("@UID", userID)
        updateBill.Parameters.AddWithValue("@MONTH", thisMonth)
        updateBill.ExecuteNonQuery()
    Else
        ' Insert new bill record

        Dim insertBill As New SqlCommand("INSERT INTO BILL_T
(USERID, TAX, BILLPRICE, MONTH, STATUS) VALUES (@UID, @TAX, @PRICE, @MONTH,
'Unpaid')", con, trans)

        insertBill.Parameters.AddWithValue("@UID", userID)
        insertBill.Parameters.AddWithValue("@TAX", taxAmount)
        insertBill.Parameters.AddWithValue("@PRICE", totalPrice)
        insertBill.Parameters.AddWithValue("@MONTH", thisMonth)
        insertBill.ExecuteNonQuery()
    End If

    trans.Commit()

    lblMsg.ForeColor = System.Drawing.Color.Green
    lblMsg.Text = "Order placed successfully! Total: Rs. " &
grandTotal.ToString("F2")

    ' Clear selections after successful order
    ClearSelections()

Catch ex As Exception
    trans.Rollback()

    lblMsg.Text = "Error placing order: " & ex.Message
End Try
End Using

```

```

End Sub

Private Sub ClearSelections()
    For Each item As RepeaterItem In rptProductLines.Items
        Dim rptProducts As Repeater =
CType(item.FindControl("rptProducts"), Repeater)
        For Each prodItem As RepeaterItem In rptProducts.Items
            Dim chkSelect As CheckBox =
CType(prodItem.FindControl("chkSelect"), CheckBox)
            Dim txtQty As TextBox = CType(prodItem.FindControl("txtQty"),
TextBox)

            If chkSelect IsNot Nothing Then chkSelect.Checked = False
            If txtQty IsNot Nothing Then txtQty.Text = "1"
        Next
    Next
End Sub

End Class

```

OrderHistory.aspx:

```

<%@ Page Title="Order History" Language="VB"
MasterPageFile="~/IADProject/Site.master" AutoEventWireup="false"
CodeFile="OrderHistory.aspx.vb" Inherits="OrderHistory" %>

<asp:Content ID="Content1" ContentPlaceHolderID="MainContent" runat="server">
    <h2> 📋 Your Order History (This Month)</h2>
    <asp:Label ID="lblMsg" runat="server" ForeColor="Red"></asp:Label>

    <asp:Repeater ID="rptOrders" runat="server"
OnItemDataBound="rptOrders_ItemDataBound">

```

```
<ItemTemplate>
    <div class="order-box">
        <strong>Order Date:</strong> <%# Eval("ORDERDATE", "{0:dd MMM
yyyy HH:mm}") %><br />

        <asp:Repeater ID="rptOrderDetails" runat="server">
            <HeaderTemplate>
                <table class="table">
                    <tr class="table-header">
                        <th>Product Name</th>
                        <th>Quantity</th>
                    </tr>
                </table>
            </HeaderTemplate>
            <ItemTemplate>
                <tr>
                    <td><%# Eval("PRODUCTNAME") %></td>
                    <td><%# Eval("QUANTITY") %></td>
                </tr>
            </ItemTemplate>
            <FooterTemplate>
                </table>
            </FooterTemplate>
        </asp:Repeater>
    </div>
</ItemTemplate>
</asp:Repeater>
</asp:Content>
```

OrderHistory.aspx.vb:

```
Imports System.Data
```

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

```
Partial Class OrderHistory
```

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

```
    ' Your connection string here
```

```
    Private ReadOnly connStr As String = "workstation  
id=db_tala17_07.mssql.somee.com;packet size=4096;user  
id=tala17_07_SQLLogin_1;pwd=kslv811wh2;data  
source=db_tala17_07.mssql.somee.com;persist security info=False;initial  
catalog=db_tala17_07;TrustServerCertificate=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()
```

```
        Dim userId As Integer = Convert.ToInt32(Session("USERID"))
```

```
        Dim ordersDT As New DataTable()
```

```
        Try
```

```
            Using conn As New SqlConnection(connStr)
```

```
                conn.Open()
```

```
                Dim sqlOrders As String = "SELECT ORDERID, ORDERDATE FROM  
ORDERS_T " &
```

```

"WHERE USERID = @UserID " &
"AND MONTH(ORDERDATE) =
MONTH(GETDATE()) " &
"AND YEAR(ORDERDATE) =
YEAR(GETDATE()) " &
"ORDER BY ORDERDATE DESC"

```

```

    Using cmdOrders As New SqlCommand(sqlOrders, conn)
        cmdOrders.Parameters.AddWithValue("@UserID", userId)
        Using adapter As New SqlDataAdapter(cmdOrders)
            adapter.Fill(ordersDT)
        End Using
    End Using
End Using

```

```

rptOrders.DataSource = ordersDT
rptOrders.DataBind()

```

```

Catch ex As Exception
    lblMsg.Text = "Error loading orders: " & ex.Message
End Try
End Sub

```

```

Protected Sub rptOrders_ItemDataBound(sender As Object, e As
RepeaterItemEventArgs)
    If e.Item.ItemType = ListItemType.Item OrElse e.Item.ItemType =
ListItemType.AlternatingItem Then
        Dim drv As DataRowView = CType(e.Item.DataItem, DataRowView)
        Dim orderId As Integer = Convert.ToInt32(drv("ORDERID"))
    End If
End Sub

```

```

        Dim rptOrderDetails As Repeater =
CType(e.Item.FindControl("rptOrderDetails"), Repeater)

        Dim detailsDT As New DataTable()

        Try

            Using conn As New SqlConnection(connStr)
                conn.Open()

                Dim sqlDetails As String = "SELECT OL.QUANTITY,
P.PRODUCTNAME " &
                                           "FROM ORDERLINE_T OL " &
                                           "INNER JOIN PRODUCT_T P ON
OL.PRODUCTID = P.PRODUCTID " &
                                           "WHERE OL.ORDERID = @OrderID"

                Using cmdDetails As New SqlCommand(sqlDetails, conn)
                    cmdDetails.Parameters.AddWithValue("@OrderID",
orderId)

                    Using adapter As New SqlDataAdapter(cmdDetails)
                        adapter.Fill(detailsDT)
                    End Using
                End Using
            End Using

            rptOrderDetails.DataSource = detailsDT
            rptOrderDetails.DataBind()

        Catch ex As Exception

```

```

        lblMsg.Text = "Error loading order details: " & ex.Message
    End Try
End If
End Sub
End Class

```

ViewBill.aspx:

```

<%@ Page Title="View Bills" Language="VB" AutoEventWireup="false"
CodeFile="ViewBill.aspx.vb" Inherits="ViewBill"
MasterPageFile="~/IADProject/Site.master" %>

<asp:Content ID="Content1" ContentPlaceHolderID="MainContent" runat="server">

    <h2> 📄 Your Bills</h2>

    <asp:Label ID="lblMsg" runat="server" ForeColor="Red"></asp:Label>

    <asp:Repeater ID="rptBills" runat="server">
        <HeaderTemplate>
            <table class="table" style="width: 60%; border-collapse:
collapse; margin-top: 20px; border: 1px solid #ccc;">
                <tr style="background-color: #f2f2f2;">
                    <th style="padding: 8px; text-align: left; border: 1px
solid #ccc;">Month</th>
                    <th style="padding: 8px; text-align: left; border: 1px
solid #ccc;">Amount (Rs.)</th>
                    <th style="padding: 8px; text-align: left; border: 1px
solid #ccc;">Status</th>
                </tr>
            </HeaderTemplate>
            <ItemTemplate>
                <tr>

```

```

                <td style="padding: 8px; border: 1px solid #ccc;"><%#
Eval("BillMonthYear") %></td>

                <td style="padding: 8px; border: 1px solid #ccc;"><%#
Eval("Amount", "{0:F2}") %></td>

                <td style="padding: 8px; border: 1px solid #ccc;"><%#
Eval("Status") %></td>

            </tr>

        </ItemTemplate>

        <FooterTemplate>

            </table>

        </FooterTemplate>

    </asp:Repeater>
</asp:Content>

```

ViewBill.aspx.vb:

```

Imports System.Data

Imports System.Data.SqlClient

Partial Class ViewBill
    Inherits System.Web.UI.Page

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

    Private Sub LoadBills()

```

```

        Dim connString As String = "workstation
id=db_tala17_07.mssql.somee.com;packet size=4096;user
id=tala17_07_SQLLogin_1;pwd=kslv811wh2;data
source=db_tala17_07.mssql.somee.com;persist security info=False;initial
catalog=db_tala17_07;TrustServerCertificate=True"

        Using conn As New SqlConnection(connString)

            Try

                conn.Open()

                Dim sql As String = "SELECT MONTH AS BillMonthYear, " &
                                    "BILLPRICE AS Amount, " &
                                    "STATUS " &
                                    "FROM BILL_T WHERE USERID = @UserID ORDER
BY MONTH DESC"

                Using cmd As New SqlCommand(sql, conn)

                    Dim userId As Integer = 0

                    If Session("UserID") IsNot Nothing Then
                        userId = Convert.ToInt32(Session("UserID"))
                    Else
                        lblMsg.Text = "User not logged in."
                        Return
                    End If

                    cmd.Parameters.AddWithValue("@UserID", userId)

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

                    rptBills.DataSource = dt

```

```

        rptBills.DataBind()
    End Using
    Catch ex As Exception
        lblMsg.Text = "Error loading bills: " & ex.Message
    End Try
End Using
End Sub

End Class

```

Makepayment.aspx:

```

<%@ Page Title="Make Payment" Language="VB"
MasterPageFile="~/IADProject/Site.master" AutoEventWireup="false"
CodeFile="MakePayment.aspx.vb" Inherits="MakePayment" %>

<asp:Content ID="Content1" ContentPlaceHolderID="MainContent" runat="server">

    <h2>  Make a Payment</h2>

    <asp:Label ID="lblAmount" runat="server" Font-Bold="True" />

<br />

<asp:TextBox ID="txtPayAmount" runat="server" />

<asp:Button ID="btnPay" runat="server" Text="Make Payment"
OnClick="btnPay_Click" />

<br />

<asp:Label ID="lblMsg" runat="server" />

</asp:Content>

```

MakePayment.aspx.vb:

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

```
Partial Class MakePayment
```

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

```
    Private connStr As String = "workstation  
id=db_tala17_07.mssql.somee.com;packet size=4096;user  
id=tala17_07_SQLLogin_1;pwd=kslv811wh2;data  
source=db_tala17_07.mssql.somee.com;persist security info=False;initial  
catalog=db_tala17_07;TrustServerCertificate=True"
```

```
    Private currentBillId As Integer = 0
```

```
    Private currentAmount As Decimal = 0D
```

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

```
        If Session("USERID") Is Nothing Then
```

```
            Response.Redirect("Login.aspx")
```

```
        End If
```

```
        ' Always load the bill to ensure currentAmount is up-to-date
```

```
        lblMsg.Text = "Logged in USERID: " & Session("USERID").ToString() '  
Debug USERID
```

```
        LoadCurrentMonthBill()
```

```
    End Sub
```

```
    Private Sub LoadCurrentMonthBill()
```

```
        Using conn As New SqlConnection(connStr)
```

```
            Dim userId As Integer = GetLoggedInUserId()
```

```

' Use short month name (e.g., "May") to match database format
Dim currentMonth As String = DateTime.Now.ToString("MMMM")

' Select the most recent unpaid bill for the current month
Dim sql As String = "SELECT TOP 1 BILLID, BILLPRICE, STATUS,
MONTH FROM BILL_T " &
"WHERE USERID = @USERID AND MONTH = @Month AND
BILLPRICE > 0 " &
"AND (STATUS = 'Unpaid' OR STATUS = 'Pending'
OR STATUS IS NULL) " &
"ORDER BY BILLID DESC"
Dim cmd As New SqlCommand(sql, conn)
cmd.Parameters.AddWithValue("@USERID", userId)
cmd.Parameters.AddWithValue("@Month", currentMonth)

Try
    conn.Open()
    Dim reader As SqlDataReader = cmd.ExecuteReader()
    If reader.Read() Then
        currentBillId = Convert.ToInt32(reader("BILLID"))
        currentAmount = Convert.ToDecimal(reader("BILLPRICE"))
        Dim billMonth As String = reader("MONTH").ToString()
        lblAmount.Text = "Current Bill Amount Due for " &
billMonth & ": Rs. " & currentAmount.ToString("F2")
        btnPay.Enabled = True
    Else
        ' Debug: Check all bills for the user
        reader.Close()
        Dim debugSql As String = "SELECT BILLID, BILLPRICE,
MONTH, STATUS FROM BILL_T WHERE USERID = @USERID AND BILLPRICE > 0"

```

```

        Dim debugCmd As New SqlCommand(debugSql, conn)
        debugCmd.Parameters.AddWithValue("@USERID", userId)

        Dim debugReader As SqlDataReader =
debugCmd.ExecuteReader()

        Dim billInfo As String = "No unpaid bill found for " &
currentMonth & ". Available bills: "

        If debugReader.HasRows Then
            While debugReader.Read()

                billInfo &= "BILLID=" &
debugReader("BILLID").ToString() & ", BILLPRICE=" &
debugReader("BILLPRICE").ToString() & ", MONTH=" &
debugReader("MONTH").ToString() & ", STATUS=" &
debugReader("STATUS").ToString() & "; "

            End While
        Else
            billInfo &= "None."
        End If

        debugReader.Close()

        lblAmount.Text = billInfo

        btnPay.Enabled = False

        lblMsg.ForeColor = Drawing.Color.Red

        lblMsg.Text = "No action required. All bills for this
month are paid or none exist."

        End If

        reader.Close()

    Catch ex As Exception

        lblMsg.ForeColor = Drawing.Color.Red

        lblMsg.Text = "Error loading bill: " & ex.Message

        btnPay.Enabled = False

        lblAmount.Text = "Error loading bill."

    End Try

```

End Using

End Sub

Protected Sub btnPay_Click(ByVal sender As Object, ByVal e As EventArgs)
Handles btnPay.Click

Dim paidAmount As Decimal

If Not Decimal.TryParse(txtPayAmount.Text.Trim(), paidAmount) Then

lblMsg.ForeColor = Drawing.Color.Red

lblMsg.Text = "Please enter a valid numeric payment amount."

Return

End If

If paidAmount <= 0 Then

lblMsg.ForeColor = Drawing.Color.Red

lblMsg.Text = "Payment amount must be greater than zero."

Return

End If

If currentAmount <= 0 Then

lblMsg.ForeColor = Drawing.Color.Red

lblMsg.Text = "No valid bill amount due. Please refresh the page
or contact support."

Return

End If

If paidAmount > currentAmount Then

lblMsg.ForeColor = Drawing.Color.Red

lblMsg.Text = "Payment amount cannot exceed the current due Rs. "
& currentAmount.ToString("F2") & "."

```

        Return
    End If

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

        Try
            Dim checkBillSql As String = "SELECT STATUS FROM BILL_T WHERE
BILLID = @BILLID"

            Dim checkBillCmd As New SqlCommand(checkBillSql, conn,
transaction)

            checkBillCmd.Parameters.AddWithValue("@BILLID",
currentBillId)

            Dim billStatus As String =
Convert.ToString(checkBillCmd.ExecuteScalar())

            If billStatus = "Paid" Then
                transaction.Rollback()
                lblMsg.ForeColor = Drawing.Color.Red
                lblMsg.Text = "This bill has already been paid."
                LoadCurrentMonthBill()
                Return
            End If

            Dim newBillPrice As Decimal = currentAmount - paidAmount

            Dim updateBillSql As String = "UPDATE BILL_T SET BILLPRICE =
@NewBillPrice, STATUS = CASE WHEN @NewBillPrice = 0 THEN 'Paid' ELSE 'Unpaid'
END WHERE BILLID = @BILLID"

```

```

        Dim updateBillCmd As New SqlCommand(updateBillSql, conn,
transaction)

        updateBillCmd.Parameters.AddWithValue("@NewBillPrice",
newBillPrice)

        updateBillCmd.Parameters.AddWithValue("@BILLID",
currentBillId)

        updateBillCmd.ExecuteNonQuery()

        Dim checkPaymentSql As String = "SELECT COUNT(*) FROM
PAYMENT_T WHERE BILLID = @BILLID"

        Dim checkPaymentCmd As New SqlCommand(checkPaymentSql, conn,
transaction)

        checkPaymentCmd.Parameters.AddWithValue("@BILLID",
currentBillId)

        Dim paymentExists As Integer =
Convert.ToInt32(checkPaymentCmd.ExecuteScalar())

        If paymentExists > 0 Then

            Dim updatePaymentSql As String = "UPDATE PAYMENT_T SET
PAIDAMOUNT = PAIDAMOUNT + @PaidAmount, REMAININGDUES = @NewBillPrice,
PAYMENTDATE = GETDATE() WHERE BILLID = @BILLID"

            Dim updatePaymentCmd As New SqlCommand(updatePaymentSql,
conn, transaction)

            updatePaymentCmd.Parameters.AddWithValue("@PaidAmount",
paidAmount)

            updatePaymentCmd.Parameters.AddWithValue("@NewBillPrice",
newBillPrice)

            updatePaymentCmd.Parameters.AddWithValue("@BILLID",
currentBillId)

            updatePaymentCmd.ExecuteNonQuery()

        Else

```

```

        Dim insertPaymentSql As String = "INSERT INTO PAYMENT_T
(BILLID, PAIDAMOUNT, REMAININGDUES, PAYMENTDATE) VALUES (@BILLID,
@PaidAmount, @NewBillPrice, GETDATE())"

        Dim insertPaymentCmd As New SqlCommand(insertPaymentSql,
conn, transaction)

        insertPaymentCmd.Parameters.AddWithValue("@BILLID",
currentBillId)

        insertPaymentCmd.Parameters.AddWithValue("@PaidAmount",
paidAmount)

        insertPaymentCmd.Parameters.AddWithValue("@NewBillPrice",
newBillPrice)

        insertPaymentCmd.ExecuteNonQuery()
    End If

    transaction.Commit()

    lblMsg.ForeColor = Drawing.Color.Green
    lblMsg.Text = "✅ Payment of Rs. " &
paidAmount.ToString("F2") & " processed successfully."
    LoadCurrentMonthBill()
    txtPayAmount.Text = ""
Catch ex As Exception
    transaction.Rollback()

    lblMsg.ForeColor = Drawing.Color.Red
    lblMsg.Text = "Payment failed: " & ex.Message
End Try
End Using
End Sub

```

```

Private Function GetLoggedInUserId() As Integer
    If Session("USERID") IsNot Nothing Then

```

```
        Return Convert.ToInt32(Session("USERID"))
    Else
        Return 0
    End If
End Function
End Class
```

Admin Pages:

ManageUsers.aspx:

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

```
<!DOCTYPE html>
```

```
<html xmlns="http://www.w3.org/1999/xhtml">
```

```
<head runat="server">
```

```
    <title>Manage Users</title>
```

```
    <link href="/IADProject/Styles.css" rel="stylesheet" type="text/css" />
```

```
</head>
```

```
<body>
```

```
    <form id="form1" runat="server">
```

```
        <div class="center-button">
```

```
            <a href="/IADProject/AdminDashboard.aspx" class="admin-dashboard-
button">Go to Admin Dashboard</a>
```

```
        </div>
```

```
        <h2>Manage Users</h2>
```

```
        <asp:GridView ID="gvUsers" runat="server" AutoGenerateColumns="False"
DataKeyNames="USERID" OnRowEditing="gvUsers_RowEditing"
OnRowUpdating="gvUsers_RowUpdating"
OnRowCancelingEdit="gvUsers_RowCancelingEdit"
OnRowDeleting="gvUsers_RowDeleting">
```

```
            <Columns>
```

```
                <asp:BoundField DataField="USERID" HeaderText="ID"
ReadOnly="True" />
```

```
                <asp:BoundField DataField="NAME" HeaderText="Name" />
```

```
                <asp:BoundField DataField="CNIC" HeaderText="CNIC" />
```

```

        <asp:BoundField DataField="USERNAME" HeaderText="Username" />
        <asp:BoundField DataField="PASSWORD" HeaderText="Password" />
        <asp:BoundField DataField="PHONENUMBER" HeaderText="Phone" />
        <asp:BoundField DataField="ADDRESS" HeaderText="Address" />
        <asp:CommandField ShowEditButton="True"
ShowDeleteButton="True" />
    </Columns>
</asp:GridView>

<h3>Add New User</h3>

<asp:TextBox ID="txtName" runat="server" Placeholder="Name" /><br />
<asp:TextBox ID="txtCNIC" runat="server" Placeholder="CNIC"
MaxLength="15" /><br />
<asp:TextBox ID="txtUsername" runat="server" Placeholder="Username"
/><br />
<asp:TextBox ID="txtPassword" runat="server" Placeholder="Password"
/><br />
<asp:TextBox ID="txtPhone" runat="server" Placeholder="Phone" /><br
/>
<asp:TextBox ID="txtAddress" runat="server" Placeholder="Address"
/><br />
<asp:Button ID="btnAddUser" runat="server" Text="Add User"
OnClick="btnAddUser_Click" /><br /><br />

<h3>Reset Password</h3>

<asp:TextBox ID="txtResetUserID" runat="server" Placeholder="Enter
User ID" /><br />
<asp:TextBox ID="txtNewPassword" runat="server" Placeholder="New
Password" /><br />
<asp:Button ID="btnResetPassword" runat="server" Text="Reset
Password" OnClick="btnResetPassword_Click" /><br />
</form>

```

</body>

</html>

ManageUsers.aspx.vb:

Imports System.Data

Imports System.Data.SqlClient

Partial Class ManageUsers

Inherits System.Web.UI.Page

```
Dim conStr As String = "workstation
id=db_talal7_07.mssql.somee.com;packet size=4096;user
id=talal7_07_SQLLogin_1;pwd=kslv811wh2;data
source=db_talal7_07.mssql.somee.com;persist security info=False;initial
catalog=db_talal7_07;TrustServerCertificate=True"
```

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

If Not IsPostBack Then

LoadUsers()

End If

End Sub

Private Sub LoadUsers()

gvUsers.DataSource = Nothing

gvUsers.DataBind()

Using con As New SqlConnection(conStr)

con.Open()

Dim cmd As New SqlCommand("SELECT * FROM REGISTERUSER_T WHERE
ROLEID=2", con)

```

        Dim reader As SqlDataReader = cmd.ExecuteReader()

        Dim dt As New DataTable()

        dt.Load(reader)

        gvUsers.DataSource = dt

        gvUsers.DataBind()

    End Using

End Sub

Protected Sub btnAddUser_Click(sender As Object, e As EventArgs)

    Dim cnicValue As String = txtCNIC.Text.Trim()

    If cnicValue.Length > 15 Then

        cnicValue = cnicValue.Substring(0, 15)

    End If

    Using con As New SqlConnection(conStr)

        con.Open()

        ' Check if CNIC already exists

        Dim checkCmd As New SqlCommand("SELECT COUNT(*) FROM
REGISTERUSER_T WHERE CNIC=@cnic", con)

        checkCmd.Parameters.AddWithValue("@cnic", cnicValue)

        Dim count As Integer = Convert.ToInt32(checkCmd.ExecuteScalar())

        If count > 0 Then

            ' CNIC already exists

            ScriptManager.RegisterStartupScript(Me, Me.GetType(),
"alert", "alert('A user with this CNIC already exists.');" , True)

            Exit Sub

        End If

    End Using

```

```

        ' Insert new user

        Dim cmd As New SqlCommand("INSERT INTO REGISTERUSER_T (NAME,
CNIC, USERNAME, PASSWORD, PHONENUMBER, ADDRESS, ROLEID) VALUES (@name, @cnic,
@username, @password, @phone, @address, 2)", con)

        cmd.Parameters.AddWithValue("@name", txtName.Text.Trim())
        cmd.Parameters.AddWithValue("@cnic", cnicValue)
        cmd.Parameters.AddWithValue("@username", txtUsername.Text.Trim())
        cmd.Parameters.AddWithValue("@password", txtPassword.Text.Trim())
        cmd.Parameters.AddWithValue("@phone", txtPhone.Text.Trim())
        cmd.Parameters.AddWithValue("@address", txtAddress.Text.Trim())

        cmd.ExecuteNonQuery()

    End Using

```

```

        LoadUsers()

    End Sub

```

```

    Protected Sub gvUsers_RowEditing(sender As Object, e As
GridViewEditEventArgs)

        gvUsers.EditIndex = e.NewEditIndex

        LoadUsers()

    End Sub

```

```

    Protected Sub gvUsers_RowCancelingEdit(sender As Object, e As
GridViewCancelEventArgs)

        gvUsers.EditIndex = -1

        LoadUsers()

    End Sub

```

```
Protected Sub gvUsers_RowUpdating(sender As Object, e As  
GridViewUpdateEventArgs)
```

```
    Dim userid As Integer =  
Convert.ToInt32(gvUsers.DataKeys(e.RowIndex).Value)
```

```
    Dim row As GridViewRow = gvUsers.Rows(e.RowIndex)
```

```
    Dim name As String = CType(row.Cells(1).Controls(0),  
TextBox).Text.Trim()
```

```
    Dim cnic As String = CType(row.Cells(2).Controls(0),  
TextBox).Text.Trim()
```

```
    If cnic.Length > 15 Then cnic = cnic.Substring(0, 15)
```

```
    Dim username As String = CType(row.Cells(3).Controls(0),  
TextBox).Text.Trim()
```

```
    Dim password As String = CType(row.Cells(4).Controls(0),  
TextBox).Text.Trim()
```

```
    Dim phone As String = CType(row.Cells(5).Controls(0),  
TextBox).Text.Trim()
```

```
    Dim address As String = CType(row.Cells(6).Controls(0),  
TextBox).Text.Trim()
```

```
    Using con As New SqlConnection(conStr)
```

```
        Dim cmd As New SqlCommand("UPDATE REGISTERUSER_T SET NAME=@name,  
CNIC=@cnic, USERNAME=@username, PASSWORD=@password, PHONENUMBER=@phone,  
ADDRESS=@address WHERE USERID=@userid", con)
```

```
        cmd.Parameters.AddWithValue("@name", name)
```

```
        cmd.Parameters.AddWithValue("@cnic", cnic)
```

```
        cmd.Parameters.AddWithValue("@username", username)
```

```
        cmd.Parameters.AddWithValue("@password", password)
```

```
        cmd.Parameters.AddWithValue("@phone", phone)
```

```
        cmd.Parameters.AddWithValue("@address", address)
```

```
        cmd.Parameters.AddWithValue("@userid", userid)
```

```
        con.Open()
```

```
        cmd.ExecuteNonQuery()
```

End Using

gvUsers.EditIndex = -1

LoadUsers()

End Sub

Protected Sub gvUsers_RowDeleting(sender As Object, e As
GridViewDeleteEventArgs)

Dim userid As Integer =
Convert.ToInt32(gvUsers.DataKeys(e.RowIndex).Value)

Using con As New SqlConnection(conStr)

Dim cmd As New SqlCommand("DELETE FROM REGISTERUSER_T WHERE
USERID=@userid AND ROLEID=2", con)

cmd.Parameters.AddWithValue("@userid", userid)

con.Open()

cmd.ExecuteNonQuery()

End Using

LoadUsers()

End Sub

Protected Sub btnResetPassword_Click(sender As Object, e As EventArgs)

Dim userID As Integer

If Integer.TryParse(txtResetUserID.Text.Trim(), userID) Then

Using con As New SqlConnection(conStr)

Dim cmd As New SqlCommand("UPDATE REGISTERUSER_T SET
PASSWORD=@password WHERE USERID=@userid AND ROLEID=2", con)

cmd.Parameters.AddWithValue("@userid", userID)

cmd.Parameters.AddWithValue("@password",
txtNewPassword.Text.Trim())

con.Open()

```

        cmd.ExecuteNonQuery()
    End Using
    LoadUsers()
End If
End Sub
End Class

```

ManageProducts.aspx:

```

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

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">

<head runat="server">

    <title>Manage Products</title>

    <link href="/IADProject/Styles.css" rel="stylesheet" type="text/css" />

</head>

<body>

    <form id="form1" runat="server">

        <div class="center-button">

            <a href="/IADProject/AdminDashboard.aspx" class="admin-dashboard-
button">Go to Admin Dashboard</a>

        </div>

        <h2>Product Lines (e.g., Breakfast, Lunch)</h2>

        <asp:GridView ID="gvProductLines" runat="server"
AutoGenerateColumns="False"

            DataKeyNames="PRODUCTLINEID"
OnRowEditing="gvProductLines_RowEditing"

```

```

        OnRowUpdating="gvProductLines_RowUpdating"
        OnRowCancelingEdit="gvProductLines_RowCancelingEdit"
        OnRowDeleting="gvProductLines_RowDeleting">
        <Columns>
            <asp:BoundField DataField="PRODUCTLINEID" HeaderText="ID"
ReadOnly="True" />
            <asp:BoundField DataField="PRODUCTLINENAME" HeaderText="Name"
/>
            <asp:BoundField DataField="CATEGORY" HeaderText="Category" />
            <asp:CommandField ShowEditButton="True"
ShowDeleteButton="True" />
        </Columns>
    </asp:GridView>

```

```

    <h3>Add Product Line</h3>
    <asp:TextBox ID="txtLineName" runat="server" Placeholder="Product
Line Name"></asp:TextBox>
    <asp:TextBox ID="txtCategory" runat="server"
Placeholder="Category"></asp:TextBox>
    <asp:Button ID="btnAddLine" runat="server" Text="Add Line"
OnClick="btnAddLine_Click" /><br /><br />

```

```

    <hr />
    <h2>Products (e.g., Biryani, Paratha)</h2>
    <asp:GridView ID="gvProducts" runat="server"
AutoGenerateColumns="False"
        DataKeyNames="PRODUCTID" OnRowEditing="gvProducts_RowEditing"
        OnRowUpdating="gvProducts_RowUpdating"
        OnRowCancelingEdit="gvProducts_RowCancelingEdit"
        OnRowDeleting="gvProducts_RowDeleting">
        <Columns>

```

```

                <asp:BoundField DataField="PRODUCTID" HeaderText="ID"
ReadOnly="True" />
                <asp:BoundField DataField="PRODUCTLINEID" HeaderText="Line
ID" />
                <asp:BoundField DataField="PRODUCTNAME" HeaderText="Product
Name" />
                <asp:BoundField DataField="PRODUCTPRICE" HeaderText="Price"
/>
                <asp:CommandField ShowEditButton="True"
ShowDeleteButton="True" />
            </Columns>
        </asp:GridView>

        <h3>Add Product</h3>
        <asp:TextBox ID="txtProductLineID" runat="server"
Placeholder="Product Line ID"></asp:TextBox>
        <asp:TextBox ID="txtProductName" runat="server" Placeholder="Product
Name"></asp:TextBox>
        <asp:TextBox ID="txtProductPrice" runat="server"
Placeholder="Price"></asp:TextBox>
        <asp:Button ID="btnAddProduct" runat="server" Text="Add Product"
OnClick="btnAddProduct_Click" />
    </form>
</body>
</html>

```

ManageProducts.aspx.vb:

```

Imports System.Data
Imports System.Data.SqlClient

Partial Class ManageProducts

```

Inherits System.Web.UI.Page

```
Dim conStr As String = "workstation
id=db_talal7_07.mssql.somee.com;packet size=4096;user
id=talal7_07_SQLLogin_1;pwd=kslv811wh2;data
source=db_talal7_07.mssql.somee.com;persist security info=False;initial
catalog=db_talal7_07;TrustServerCertificate=True"
```

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

 If Not IsPostBack Then

 LoadProductLines()

 LoadProducts()

 End If

End Sub

' --- Load GridViews ---

Sub LoadProductLines()

 Using con As New SqlConnection(conStr)

 Dim cmd As New SqlCommand("SELECT * FROM PRODUCTLINE_T", con)

 Dim da As New SqlDataAdapter(cmd)

 Dim dt As New DataTable()

 da.Fill(dt)

 gvProductLines.DataSource = dt

 gvProductLines.DataBind()

 End Using

End Sub

Sub LoadProducts()

 Using con As New SqlConnection(conStr)

 Dim cmd As New SqlCommand("SELECT * FROM PRODUCT_T", con)

```

        Dim da As New SqlDataAdapter(cmd)

        Dim dt As New DataTable()

        da.Fill(dt)

        gvProducts.DataSource = dt

        gvProducts.DataBind()

    End Using

End Sub

' --- Add Product Line ---

Protected Sub btnAddLine_Click(sender As Object, e As EventArgs)

    Using con As New SqlConnection(conStr)

        Dim cmd As New SqlCommand("INSERT INTO PRODUCTLINE_T
(PRODUCTLINENAME, CATEGORY) VALUES (@name, @cat)", con)

        cmd.Parameters.AddWithValue("@name", txtLineName.Text)

        cmd.Parameters.AddWithValue("@cat", txtCategory.Text)

        con.Open()

        cmd.ExecuteNonQuery()

    End Using

    LoadProductLines()

End Sub

' --- Add Product ---

Protected Sub btnAddProduct_Click(sender As Object, e As EventArgs)

    Using con As New SqlConnection(conStr)

        Dim cmd As New SqlCommand("INSERT INTO PRODUCT_T (PRODUCTLINEID,
PRODUCTNAME, PRODUCTPRICE) VALUES (@lineid, @name, @price)", con)

        cmd.Parameters.AddWithValue("@lineid", txtProductLineID.Text)

        cmd.Parameters.AddWithValue("@name", txtProductName.Text)

        cmd.Parameters.AddWithValue("@price", txtProductPrice.Text)

```

```

        con.Open()

        cmd.ExecuteNonQuery()

    End Using

    LoadProducts()

End Sub

' --- Edit Product Line ---

Protected Sub gvProductLines_RowEditing(sender As Object, e As
GridViewEditEventArgs)

    gvProductLines.EditIndex = e.NewEditIndex

    LoadProductLines()

End Sub

Protected Sub gvProductLines_RowUpdating(sender As Object, e As
GridViewUpdateEventArgs)

    Dim id As Integer = gvProductLines.DataKeys(e.RowIndex).Value

    Dim name As String =
CType(gvProductLines.Rows(e.RowIndex).Cells(1).Controls(0), TextBox).Text

    Dim cat As String =
CType(gvProductLines.Rows(e.RowIndex).Cells(2).Controls(0), TextBox).Text

    Using con As New SqlConnection(conStr)

        Dim cmd As New SqlCommand("UPDATE PRODUCTLINE_T SET
PRODUCTLINENAME=@name, CATEGORY=@cat WHERE PRODUCTLINEID=@id", con)

        cmd.Parameters.AddWithValue("@name", name)

        cmd.Parameters.AddWithValue("@cat", cat)

        cmd.Parameters.AddWithValue("@id", id)

        con.Open()

        cmd.ExecuteNonQuery()

    End Using

    gvProductLines.EditIndex = -1

```

```
        LoadProductLines()  
    End Sub
```

```
    Protected Sub gvProductLines_RowCancelingEdit(sender As Object, e As  
GridViewCancelEventArgs)  
        gvProductLines.EditIndex = -1  
        LoadProductLines()  
    End Sub
```

```
    Protected Sub gvProductLines_RowDeleting(sender As Object, e As  
GridViewDeleteEventArgs)  
        Dim id As Integer = gvProductLines.DataKeys(e.RowIndex).Value  
        Using con As New SqlConnection(conStr)  
            Dim cmd As New SqlCommand("DELETE FROM PRODUCTLINE_T WHERE  
PRODUCTLINEID=@id", con)  
            cmd.Parameters.AddWithValue("@id", id)  
            con.Open()  
            cmd.ExecuteNonQuery()  
        End Using  
        LoadProductLines()  
    End Sub
```

```
    ' --- Edit Products ---
```

```
    Protected Sub gvProducts_RowEditing(sender As Object, e As  
GridViewEditEventArgs)  
        gvProducts.EditIndex = e.NewEditIndex  
        LoadProducts()  
    End Sub
```

```

Protected Sub gvProducts_RowUpdating(sender As Object, e As
GridViewUpdateEventArgs)

    Dim id As Integer = gvProducts.DataKeys(e.RowIndex).Value

    Dim lineid As String =
CType(gvProducts.Rows(e.RowIndex).Cells(1).Controls(0), TextBox).Text

    Dim name As String =
CType(gvProducts.Rows(e.RowIndex).Cells(2).Controls(0), TextBox).Text

    Dim price As String =
CType(gvProducts.Rows(e.RowIndex).Cells(3).Controls(0), TextBox).Text

    Using con As New SqlConnection(conStr)

        Dim cmd As New SqlCommand("UPDATE PRODUCT_T SET
PRODUCTLINEID=@lineid, PRODUCTNAME=@name, PRODUCTPRICE=@price WHERE
PRODUCTID=@id", con)

        cmd.Parameters.AddWithValue("@lineid", lineid)

        cmd.Parameters.AddWithValue("@name", name)

        cmd.Parameters.AddWithValue("@price", price)

        cmd.Parameters.AddWithValue("@id", id)

        con.Open()

        cmd.ExecuteNonQuery()

    End Using

    gvProducts.EditIndex = -1

    LoadProducts()

End Sub

```

```

Protected Sub gvProducts_RowCancelingEdit(sender As Object, e As
GridViewCancelEventArgs)

    gvProducts.EditIndex = -1

    LoadProducts()

End Sub

```

```

Protected Sub gvProducts_RowDeleting(sender As Object, e As
GridViewDeleteEventArgs)

    Dim id As Integer = gvProducts.DataKeys(e.RowIndex).Value

    Using con As New SqlConnection(conStr)

        Dim cmd As New SqlCommand("DELETE FROM PRODUCT_T WHERE
PRODUCTID=@id", con)

        cmd.Parameters.AddWithValue("@id", id)

        con.Open()

        cmd.ExecuteNonQuery()

    End Using

    LoadProducts()

End Sub

End Class

```

ViewOrders.aspx:

```

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

```

```

<!DOCTYPE html>

<html>

<head>

    <title>View All Orders</title>

    <link href="/IADProject/Styles.css" rel="stylesheet" type="text/css" />

    <style>

        .filter-box { margin-bottom: 20px; }

        .filter-box input, .filter-box select { margin-right: 10px; }

    </style>

</head>

<body>

```

```
<form runat="server">

    <div class="center-button">

        <a href="/IADProject/AdminDashboard.aspx" class="admin-dashboard-
button">Go to Admin Dashboard</a>

    </div>

    <div class="filter-box">

        Student:

        <asp:DropDownList ID="ddlStudents" runat="server"
AppendDataBoundItems="True">

            <asp:ListItem Text="-- All --" Value="" />

        </asp:DropDownList>

        Product:

        <asp:DropDownList ID="ddlProducts" runat="server"
AppendDataBoundItems="True">

            <asp:ListItem Text="-- All --" Value="" />

        </asp:DropDownList>

        Date:

        <asp:TextBox ID="txtDate" runat="server" TextMode="Date" />

        <asp:Button ID="btnFilter" runat="server" Text="Filter"
OnClick="btnFilter_Click" />

    </div>

    <asp:GridView ID="gvOrders" runat="server"
AutoGenerateColumns="False">

        <Columns>

            <asp:BoundField DataField="ORDERID" HeaderText="Order ID" />
```

```

        <asp:BoundField DataField="ORDERDATE" HeaderText="Date" />
        <asp:BoundField DataField="NAME" HeaderText="Student" />
        <asp:BoundField DataField="PRODUCTNAME" HeaderText="Product"
/>

        <asp:BoundField DataField="QUANTITY" HeaderText="Qty" />
        <asp:BoundField DataField="PRODUCTPRICE" HeaderText="Price"
/>

    </Columns>
</asp:GridView>
</form>
</body>
</html>

```

ViewOrders.aspx.vb:

```
Imports System.Data
```

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

```
Partial Class ViewOrders
```

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

```

    Dim conStr As String = "workstation
id=db_talal7_07.mssql.somee.com;packet size=4096;user
id=talal7_07_SQLLogin_1;pwd=kslv811wh2;data
source=db_talal7_07.mssql.somee.com;persist security info=False;initial
catalog=db_talal7_07;TrustServerCertificate=True"

```

```

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

```

```
        If Not IsPostBack Then
```

```
            LoadDropdowns()
```

```

        LoadOrders()
    End If
End Sub

Sub LoadDropdowns()
    Using con As New SqlConnection(conStr)
        ' Students
        Dim cmdStu As New SqlCommand("SELECT USERID, NAME FROM
REGISTERUSER_T WHERE ROLEID = 2", con)
        con.Open()
        ddlStudents.DataSource = cmdStu.ExecuteReader()
        ddlStudents.DataTextField = "NAME"
        ddlStudents.DataValueField = "USERID"
        ddlStudents.DataBind()
        con.Close()

        ' Products
        Dim cmdProd As New SqlCommand("SELECT PRODUCTID, PRODUCTNAME FROM
PRODUCT_T", con)
        con.Open()
        ddlProducts.DataSource = cmdProd.ExecuteReader()
        ddlProducts.DataTextField = "PRODUCTNAME"
        ddlProducts.DataValueField = "PRODUCTID"
        ddlProducts.DataBind()
        con.Close()
    End Using
End Sub

Sub LoadOrders()

```

```

        Dim query As String = "SELECT o.ORDERID, o.ORDERDATE, r.NAME,
p.PRODUCTNAME, ol.QUANTITY, ol.PRODUCTPRICE " &
        "FROM ORDERS_T o " &
        "JOIN REGISTERUSER_T r ON o.USERID = r.USERID " &
        "JOIN ORDERLINE_T ol ON o.ORDERID = ol.ORDERID " &
        "JOIN PRODUCT_T p ON ol.PRODUCTID = p.PRODUCTID " &
        "WHERE (@userid IS NULL OR o.USERID = @userid) " &
        "AND (@productid IS NULL OR p.PRODUCTID =
@productid) " &
        "AND (@orderdate IS NULL OR CONVERT(date,
o.ORDERDATE) = @orderdate) " &
        "ORDER BY o.ORDERDATE DESC"

```

```

Using con As New SqlConnection(conStr)

    Dim cmd As New SqlCommand(query, con)

    cmd.Parameters.AddWithValue("@userid",
If(String.IsNullOrEmpty(ddlStudents.SelectedValue), DBNull.Value,
ddlStudents.SelectedValue))

    cmd.Parameters.AddWithValue("@productid",
If(String.IsNullOrEmpty(ddlProducts.SelectedValue), DBNull.Value,
ddlProducts.SelectedValue))

    cmd.Parameters.AddWithValue("@orderdate",
If(String.IsNullOrEmpty(txtDate.Text), DBNull.Value, txtDate.Text))

    Dim da As New SqlDataAdapter(cmd)

    Dim dt As New DataTable()

    da.Fill(dt)

    gvOrders.DataSource = dt

    gvOrders.DataBind()

End Using

End Sub

```

```

        Protected Sub btnFilter_Click(sender As Object, e As EventArgs)
            LoadOrders()
        End Sub
    End Class

```

ManagePayments.aspx:

```

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

<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title>Manage Payments</title>
    <link href="/IADProject/Styles.css" rel="stylesheet" type="text/css" />
</head>
<body>
    <form id="form1" runat="server">
        <div class="center-button">
            <a href="/IADProject/AdminDashboard.aspx" class="admin-dashboard-
button">Go to Admin Dashboard</a>
        </div>

        <div>
            <h1>Manage Student Payments</h1>
            <asp:DropDownList ID="ddlStudents" runat="server"
AutoPostBack="True" OnSelectedIndexChanged="ddlStudents_SelectedIndexChanged"
/>

            <br /><br />

```

```
<asp:Label ID="lblErrorMessage" runat="server" ForeColor="Red"
EnableViewState="False" Visible="False"></asp:Label>
```

```
<br />
```

```
<h3>Dues</h3>
```

```
<asp:GridView ID="gvDues" runat="server"
AutoGenerateColumns="False" EmptyDataText="No dues found for the selected
student.">
```

```
<Columns>
```

```
<asp:BoundField DataField="MONTH" HeaderText="Month" />
```

```
<asp:BoundField DataField="BILLPRICE" HeaderText="Total
Bill" />
```

```
<asp:BoundField DataField="REMAININGDUES"
HeaderText="Remaining Dues" />
```

```
<asp:BoundField DataField="STATUS" HeaderText="Status" />
```

```
</Columns>
```

```
</asp:GridView>
```

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

```
<h3>Payment History</h3>
```

```
<asp:GridView ID="gvPayments" runat="server"
AutoGenerateColumns="False" EmptyDataText="No payment history found for the
selected student.">
```

```
<Columns>
```

```
<asp:BoundField DataField="PAIDAMOUNT" HeaderText="Paid
Amount" />
```

```
<asp:BoundField DataField="PAYMENTDATE"
HeaderText="Payment Date" DataFormatString="{0:d}" />
```

```
</Columns>
```

```

        </asp:GridView>
    </div>
</form>
</body>
</html>

```

ManagePayments.aspx.vb:

```
Imports System.Data
```

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

```
Partial Class ManagePayments
```

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

```
    ' Connection string is kept as it was
```

```
    Dim conStr As String = "workstation
id=db_talal7_07.mssql.somee.com;packet size=4096;user
id=talal7_07_SQLLogin_1;pwd=kslv811wh2;data
source=db_talal7_07.mssql.somee.com;persist security info=False;initial
catalog=db_talal7_07;TrustServerCertificate=True"
```

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

```
    If Not IsPostBack Then
```

```
        LoadStudents()
```

```
    End If
```

```
End Sub
```

```
Sub LoadStudents()
```

```
    lblErrorMessage.Visible = False ' Hide any previous error messages
```

```
    Using con As New SqlConnection(conStr)
```

```

Try
    con.Open()

    Dim cmd As New SqlCommand("SELECT USERID, NAME FROM
REGISTERUSER_T WHERE ROLEID = 2 ORDER BY NAME ASC", con)

    Dim da As New SqlDataAdapter(cmd)

    Dim dt As New DataTable()

    da.Fill(dt)

    ddlStudents.DataSource = dt
    ddlStudents.DataTextField = "NAME"
    ddlStudents.DataValueField = "USERID"
    ddlStudents.DataBind()
    ddlStudents.Items.Insert(0, New ListItem("-- Select Student -
-", "0"))

Catch ex As Exception
    lblErrorMessage.Text = "Error loading students: " &
ex.Message

    lblErrorMessage.Visible = True

End Try

End Using

End Sub

```

```

Protected Sub ddlStudents_SelectedIndexChanged(sender As Object, e As
EventArgs)

```

```

    lblErrorMessage.Visible = False ' Clear any existing error messages

```

```

    If ddlStudents.SelectedIndex > 0 Then

```

```

        LoadDues()

```

```

        LoadPaymentHistory()

```

```

    Else

```

```

        ' If "-- Select Student --" is chosen, clear the GridViews
        gvDues.DataSource = Nothing
        gvDues.DataBind()

        gvPayments.DataSource = Nothing
        gvPayments.DataBind()
    End If
End Sub

Sub LoadDues()
    gvDues.DataSource = Nothing ' Clear before loading, in case of error
    gvDues.DataBind()

    Using con As New SqlConnection(conStr)
        Try
            con.Open()

            Dim cmd As New SqlCommand(
                "SELECT " &
                "    B.MONTH, " &
                "    B.BILLPRICE, " &
                "    B.STATUS, " &
                "    ISNULL(P_Latest.REMAININGDUES, B.BILLPRICE) AS
REMAININGDUES " &
                "FROM BILL_T AS B " &
                "LEFT JOIN ( " &
                "    SELECT " &
                "        BILLID, " &
                "        REMAININGDUES, " &
                "        PAYMENTDATE, " &

```

```

        "          ROW_NUMBER() OVER(PARTITION BY BILLID ORDER BY
PAYMENTDATE DESC, PAYMENTID DESC) AS rn " &
        "      FROM PAYMENT_T " &
        ") AS P_Latest ON B.BILLID = P_Latest.BILLID AND
P_Latest.rn = 1 " &
        "WHERE B.USERID = @uid " &
        "ORDER BY B.MONTH", con)

```

```

        cmd.Parameters.AddWithValue("@uid",
ddlStudents.SelectedValue)

        Dim da As New SqlDataAdapter(cmd)
        Dim dt As New DataTable()
        da.Fill(dt)
        gvDues.DataSource = dt
        gvDues.DataBind()

        Catch ex As Exception
            lblErrorMessage.Text = "Error loading dues: " & ex.Message
            lblErrorMessage.Visible = True
        End Try
    End Using
End Sub

```

```

Sub LoadPaymentHistory()
    gvPayments.DataSource = Nothing ' Clear before loading, in case of
error
    gvPayments.DataBind()

    Using con As New SqlConnection(conStr)
        Try
            con.Open()

```

```

        Dim cmd As New SqlCommand(
            "SELECT P.PAIDAMOUNT, P.PAYMENTDATE " &
            "FROM PAYMENT_T P " &
            "INNER JOIN BILL_T B ON P.BILLID = B.BILLID " &
            "WHERE B.USERID = @uid " &
            "ORDER BY P.PAYMENTDATE DESC", con)

        cmd.Parameters.AddWithValue("@uid",
ddlStudents.SelectedValues)

        Dim da As New SqlDataAdapter(cmd)
        Dim dt As New DataTable()
        da.Fill(dt)
        gvPayments.DataSource = dt
        gvPayments.DataBind()

    Catch ex As Exception
        lblErrorMessage.Text = "Error loading payment history: " &
ex.Message
        lblErrorMessage.Visible = True
    End Try

End Using

End Sub

End Class

```