

Internet Application Development (IAD)

Mess Management System (Code)

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Code

Default.aspx

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

```
<asp:Content ID="Content1" ContentPlaceHolderID="MainContent"
runat="server">
    <h1 style="text-align:center; color:darkblue;">MESS MANAGEMENT</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 or admin/chashier, please <a
href="signin.aspx">Login</a> to start using the service.</p>
</asp:Panel>
```

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

Default.aspx.vb

```
Partial Class _Default
```

```
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
```

AdminDashboard.aspx

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

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
    <meta charset="utf-8" />
```

```
    <title>Admin</title>
```

```
</head>
```

```
<body>
```

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

```
        <asp:Button ID="btnLogout" runat="server" Text="Logout"  
OnClick="btnLogout_Click" />
```

```
    </form>
```

```
    <a href="Register.aspx">Register</a></br>
```

```
    <a href="RegisterMenu.aspx">Register Menu</a>
```

```
</body>
```

```
</html>
```

AdminDashboard.aspx.vb

Imports System.Data.SqlClient

Partial Class _Default

Inherits System.Web.UI.Page

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

*Dim conStr As String = "workstation id=iadlabdb.mssql.somee.com;packet
size=4096;user id=firstlast_SQLLogin_1;pwd=nuoj2l2u8l;data
source=iadlabdb.mssql.somee.com;persist security info=False;initial
catalog=iadlabdb;TrustServerCertificate=True"*

If Session("USERNAME") Is Nothing Then

Response.Redirect("signin.aspx")

End If

Try

Using con As New SqlConnection(conStr)

*Dim cmd As New SqlCommand("SELECT USER_ID FROM
REGISTER_USER_T WHERE USERNAME=@username", con)
cmd.Parameters.AddWithValue("@username", Session("USERNAME"))*

con.Open()

Dim reader As SqlDataReader = cmd.ExecuteReader()

If reader.Read() Then

Else

Session.Clear()

Session.Abandon()

Response.Redirect("signin.aspx")

End If

End Using

Catch ex As Exception

End Try

End Sub

Protected Sub btnLogout_Click(ByVal sender As Object, ByVal e As EventArgs)

Session.Clear()

Session.Abandon()

Response.Redirect("signin.aspx")

End Sub

End Class

StudentDashboard.aspx

***<%@ Page Title="Home" Language="VB" AutoEventWireup="false"
CodeFile="StudentDashboard.aspx.vb" Inherits="_Default" %>***

<!DOCTYPE html>

<html>

<head>

<meta charset="utf-8" />

<title>Student</title>

</head>

<body>

<form runat="server">

```
<asp:Button ID="btnLogout" runat="server" Text="Logout"
OnClick="btnLogout_Click" /><br /><br />
<asp:Label ID="lblMessage" runat="server"
ForeColor="Red"></asp:Label><br />
```

```
<asp:Table ID="TablePlaceHolder" runat="server" BorderWidth="1">
<asp:TableHeaderRow>
<asp:TableHeaderCell Text="Select" />
<asp:TableHeaderCell Text="Date" />
<asp:TableHeaderCell Text="Meal Name" />
<asp:TableHeaderCell Text="Type" />
</asp:TableHeaderRow>
</asp:Table>
```

```
<asp:Button ID="btnSubmit" runat="server" Text="Open Selected Meals"
OnClick="btnSubmit_Click" />
</form>
<asp:Label ID="Label2" runat="server" ForeColor="Red"></asp:Label><br />
<h3>Your Opened Messes</h3>
```

```
<asp:Table ID="OpenedMessTable" runat="server" BorderWidth="1">
<asp:TableHeaderRow>
<asp:TableHeaderCell Text="Menu Id" />
</asp:TableHeaderRow>
</asp:Table>
</body>
</html>
```

StudentDashboard.aspx.vb

Imports System.Data.SqlClient

Imports System.Web.UI.HtmlControls

Partial Class _Default

Inherits System.Web.UI.Page

Dim hostel_id As Integer

Dim userId As Integer

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

Dim conStr As String = "workstation id=iadlabdb.mssql.somee.com;packet
size=4096;user id=firstlast_SQLLogin_1;pwd=nuoj2l2u8l;data
source=iadlabdb.mssql.somee.com;persist security info=False;initial
catalog=iadlabdb;TrustServerCertificate=True"

If Session("USERNAME") Is Nothing Then

Response.Redirect("signin.aspx")

End If

Try

Using con As New SqlConnection(conStr)

Dim cmd As New SqlCommand("SELECT USER_ID, HOSTEL_ID FROM
REGISTER_USER_T WHERE USERNAME=@username", con)

cmd.Parameters.AddWithValue("@username", Session("USERNAME"))

con.Open()

Dim reader As SqlDataReader = cmd.ExecuteReader()

If reader.Read() Then

hostel_id = reader("HOSTEL_ID")

userId = reader("USER_ID")

Else

```
        Session.Clear()  
        Session.Abandon()  
        Response.Redirect("signin.aspx")  
    End If
```

```
    con.Close()
```

```
End Using
```

```
Catch ex As Exception
```

```
End Try
```

```
If Not IsPostBack Then
```

```
    LoadOpenMess()
```

```
End If
```

```
LoadTableData()
```

```
End Sub
```

```
Private Sub LoadTableData()
```

```
    Dim conStr As String = "workstation id=iadlabdb.mssql.somee.com;packet  
size=4096;user id=firstlast_SQLLogin_1;pwd=nuoj2l2u8l;data  
source=iadlabdb.mssql.somee.com;persist security info=False;initial  
catalog=iadlabdb;TrustServerCertificate=True"
```

```
    Dim query As String = "SELECT m.menu_id, m.date, a.available_meal_name,  
t.meal_type_name FROM menu_t m JOIN available_meal_t a ON  
m.available_meal_id = a.available_meal_id JOIN meal_type_t t ON  
m.meal_type_id = t.meal_type_id WHERE m.hostel_id = @hostel_id"
```

```

'Label2.Text = userId
TablePlaceholder.Rows.Clear()
Using conn As New SqlConnection(conStr)
    Using cmd As New SqlCommand(query, conn)
        cmd.Parameters.AddWithValue("@hostel_id", hostel_id)
        conn.Open()
        Dim reader As SqlDataReader = cmd.ExecuteReader()

        While reader.Read()
            Dim row As New TableRow()

            ' Checkbox cell
            Dim chkCell As New TableCell()
            Dim chk As New CheckBox()
            chk.ID = Convert.ToInt32(reader("menu_id"))
            chkCell.Controls.Add(chk)
            row.Cells.Add(chkCell)

            ' Date cell
            Dim cellId As New TableCell()
            cellId.Text = reader("Date").ToString()
            row.Cells.Add(cellId)

            ' Meal name
            Dim cellName As New TableCell()
            cellName.Text = reader("Available_meal_name").ToString()
            row.Cells.Add(cellName)

            ' Type
            Dim cellType As New TableCell()
            cellType.Text = reader("Meal_type_name").ToString()

```

```

        row.Cells.Add(cellType)

        ' Add to table
        TablePlaceholder.Rows.Add(row)
    End While
    reader.Close()
End Using
conn.Close()
End Using

```

End Sub

Private Sub LoadOpenMess()

```

    Dim conStr As String = "workstation id=iadlabdb.mssql.somee.com;packet
size=4096;user id=firstlast_SQLLogin_1;pwd=nuoj2l2u8l;data
source=iadlabdb.mssql.somee.com;persist security info=False;initial
catalog=iadlabdb;TrustServerCertificate=True"

```

```

    Dim query As String = "SELECT menu_id FROM OPEN_MESS_T WHERE
USER_ID=@user_id"

```

```

Using conn As New SqlConnection(conStr)
    Using cmd As New SqlCommand(query, conn)
        cmd.Parameters.AddWithValue("@user_id", userId)
        conn.Open()
        Dim reader As SqlDataReader = cmd.ExecuteReader()
        While reader.Read()
            Dim row As New TableRow()

            Dim cellId As New TableCell()
            cellId.Text = reader("menu_id").ToString()

```

```
        row.Cells.Add(cellId)
        OpenedMessTable.Rows.Add(row)
    End While
End Using
End Using
```

```
End Sub
```

```
Protected Sub btnSubmit_Click(sender As Object, e As EventArgs)
```

```
    'LoadTableData()
    Dim conStr As String = "workstation id=iadlabdb.mssql.somee.com;packet
size=4096;user id=firstlast_SQLLogin_1;pwd=nuoj2l2u8l;data
source=iadlabdb.mssql.somee.com;persist security info=False;initial
catalog=iadlabdb;TrustServerCertificate=True"
```

```
    Using conn As New SqlConnection(conStr)
        conn.Open()
```

```
    For Each row As TableRow In TablePlaceHolder.Rows
        If TypeOf row Is TableHeaderRow Then Continue For
```

```
        If row.Cells.Count > 0 AndAlso row.Cells(0).Controls.Count > 0 Then
            Dim chk As CheckBox = TryCast(row.Cells(0).Controls(0), CheckBox)
```

```
            If chk IsNot Nothing AndAlso chk.Checked Then
                Dim menuId As Integer
```

```
                If Integer.TryParse(chk.ID, menuId) Then
```

```
        Dim cmd As New SqlCommand("INSERT INTO open_mess_t
(menu_id, user_id) VALUES (@menu_id, @user_id)", conn)
        cmd.Parameters.AddWithValue("@menu_id", menuId)
        cmd.Parameters.AddWithValue("@user_id", 101)
        cmd.ExecuteNonQuery()
    End If
End If
End If
Next
conn.Close()
End Using
LoadOpenMess()
LoadTableData()
End Sub
```

```
Protected Sub btnLogout_Click(ByVal sender As Object, ByVal e As EventArgs)
    Session.Clear()

    Session.Abandon()

    Response.Redirect("signin.aspx")
End Sub
```

```
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>Student Registration</title>
</head>
<body>
    <form id="form1" runat="server">
        <a href="AdminDashboard.aspx">Dashboard</a><br /><br />

        <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 />

State:<br />
<asp:TextBox ID="txtState" runat="server"></asp:TextBox><br />

Country:<br />
<asp:TextBox ID="txtCountry" runat="server"></asp:TextBox><br />

City:<br />
<asp:TextBox ID="txtCity" runat="server"></asp:TextBox><br />

Street:<br />
<asp:TextBox ID="txtStreet" runat="server"></asp:TextBox><br /><br />

Role:<br />
<asp:RadioButtonList ID="Role" runat="server">
    <asp:ListItem Text="Student" Value="2" />
    <asp:ListItem Text="Staff Member" Value="3" />
</asp:RadioButtonList><br />

Hostel:<br />
<asp:RadioButtonList ID="Hostel" runat="server"
RepeatDirection="Vertical"/>
    <br />

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

Register.aspx.vb

Imports System.Data.SqlClient

Partial Class Register

Inherits System.Web.UI.Page

```
Dim conStr As String = "workstation id=iadlabdb.mssql.somee.com;packet  
size=4096;user id=firstlast_SQLLogin_1;pwd=nuoj2l2u8l;data  
source=iadlabdb.mssql.somee.com;persist security info=False;initial  
catalog=iadlabdb;TrustServerCertificate=True"
```

```
Protected Sub Page_Load(sender As Object, e As EventArgs) Handles Me.Load  
    If Session("USERNAME") Is Nothing Then  
        Response.Redirect("signin.aspx")  
    End If
```

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

```
Private Sub LoadHostels()
```

```
    Dim conStr As String = "workstation id=iadlabdb.mssql.somee.com;packet  
size=4096;user id=firstlast_SQLLogin_1;pwd=nuoj2l2u8l;data  
source=iadlabdb.mssql.somee.com;persist security info=False;initial  
catalog=iadlabdb;TrustServerCertificate=True"
```

```
    Try  
        Using con As New SqlConnection(conStr)  
            Dim cmd As New SqlCommand("SELECT HOSTEL_ID, HOSTEL_NAME  
FROM HOSTEL_T", con)  
            con.Open()
```

```

        Dim reader As SqlDataReader = cmd.ExecuteReader()
        Hostel.DataSource = reader
        Hostel.DataTextField = "HOSTEL_NAME" ' What is shown to the user
        Hostel.DataValueField = "HOSTEL_ID" ' What is stored behind the
scenes
        Hostel.DataBind()
    End Using
    Catch ex As Exception
        Response.Write("Error loading hostels: " & ex.Message)
    End Try
End Sub

```

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

```

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

            ' Check for existing CNIC or username
            Dim checkQuery As String = "SELECT COUNT(*) FROM register_user_t
WHERE CNIC = @CNIC OR USERNAME = @Username"
            Using checkCmd As New SqlCommand(checkQuery, con)
                checkCmd.Parameters.AddWithValue("@CNIC", txtCNIC.Text)
                checkCmd.Parameters.AddWithValue("@Username",
txtUsername.Text)

```

```

                Dim exists As Integer = Convert.ToInt32(checkCmd.ExecuteScalar())
                If exists > 0 Then
                    lblMessage.ForeColor = Drawing.Color.Red
                    lblMessage.Text = "Your CNIC or Username already exists."
                Return
            End Using
        End Using
    End Try

```

End If

If Role.SelectedIndex = -1 Then

 lblMessage.Text = "Please select a role."

 Exit Sub

End If

End Using

Dim hostelname As String = Hostel.SelectedItem.Text

Dim hostelid As String = Hostel.SelectedValue

' Insert into register_user_t

Dim insertQuery As String = "INSERT INTO register_user_t (NAME, CNIC, USERNAME, PASSWORD, PHONE, STREET, COUNTRY, STATE, CITY, HOSTEL_ID) " &
 "VALUES (@Name, @CNIC, @Username, @Password, @Phone, @Street, @Country, @State, @City, @HOSTEL_ID)"

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) ' Consider hashing for security

 insertCmd.Parameters.AddWithValue("@Phone", txtPhone.Text)

 insertCmd.Parameters.AddWithValue("@Street", txtStreet.Text)

 insertCmd.Parameters.AddWithValue("@Country", txtCountry.Text)

 insertCmd.Parameters.AddWithValue("@State", txtState.Text)

 insertCmd.Parameters.AddWithValue("@City", txtCity.Text)

 insertCmd.Parameters.AddWithValue("@HOSTEL_ID", hostelid)

 insertCmd.ExecuteNonQuery()

End Using

```

        ' Get USER_ID
        insertQuery = "SELECT USER_ID FROM REGISTER_USER_T WHERE
USERNAME = @Username"
        Dim USER_ID As Integer = 0
        Using selectCmd As New SqlCommand(insertQuery, con)
            selectCmd.Parameters.AddWithValue("@Username",
txtUsername.Text)
            Using reader As SqlDataReader = selectCmd.ExecuteReader()
                If reader.Read() Then
                    USER_ID = Convert.ToInt32(reader("USER_ID"))
                End If
            End Using
        End Using

        ' Insert into ROLE_T
        Dim rolename As String = Role.SelectedItem.Text
        Dim rolevalue As String = Role.SelectedValue

        insertQuery = "INSERT INTO USER_ROLE_T (USER_ID, ROLE_ID) VALUES
(@USER_ID, @ROLE_ID)"
        Using insertCmd As New SqlCommand(insertQuery, con)
            insertCmd.Parameters.AddWithValue("@USER_ID", USER_ID)
            insertCmd.Parameters.AddWithValue("@ROLE_ID", rolevalue)

            insertCmd.ExecuteNonQuery()
        End Using

        lblMessage.ForeColor = Drawing.Color.Green
        lblMessage.Text = "Registered successfully."
        ' Response.Redirect("signin.aspx")
    End Using

```

```

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

```

Signin.aspx

```

<%@ Page Language="VB" MasterPageFile="Site.master"
AutoEventWireup="false" CodeFile="signin.aspx.vb" Inherits="Signin" %>

<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"/>
    <table border="1px" style="margin-top: 50px;">
        <tr><th>Role</th><th>Userame</th><th>Password</th></tr>
        <tr><td>Admin</td><td>am</td><td>Password</td></tr>
        <tr><td>Student</td><td>hsm</td><td>password</td></tr>
    </table>
</asp:Content>

```

Signin.aspx.vb

Imports System.Data.SqlClient

Partial Class Signin

Inherits System.Web.UI.Page

```
Dim conStr As String = "workstation id=iadlabdb.mssql.somee.com;packet  
size=4096;user id=firstlast_SQLLogin_1;pwd=nuoj2l2u8l;data  
source=iadlabdb.mssql.somee.com;persist security info=False;initial  
catalog=iadlabdb;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 USER_ID, USERNAME FROM  
REGISTER_USER_T WHERE USERNAME=@username AND  
PASSWORD=@password", con)
```

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

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

```
con.Open()
```

```
Dim reader As SqlDataReader = cmd.ExecuteReader()
```

```
If reader.Read() Then
```

```
Dim userId As Integer = Convert.ToInt32(reader("USER_ID"))
```

```
Dim username As String = reader("USERNAME").ToString()
```

```
reader.Close()
```

```
' Retrieve ROLE_ID using the USER_ID
```

```
Dim cmd2 As New SqlCommand("SELECT ROLE_ID FROM  
USER_ROLE_T WHERE USER_ID=@userid", con)  
cmd2.Parameters.AddWithValue("@userid", userId)
```

```
Dim role As SqlDataReader = cmd2.ExecuteReader()
```

```
If role.Read() Then  
    ' Set session values  
    Session("USER_ID") = userId  
    Session("USERNAME") = username
```

```
Dim roleId As String = role("ROLE_ID").ToString()
```

```
role.Close()
```

```
If roleId = "1" Then  
    Response.Redirect("AdminDashboard.aspx")  
Elseif roleId = "2" Then  
    Response.Redirect("StudentDashboard.aspx")  
Else  
    lblMessage.Text = "Role not recognized."  
End If
```

```
Else  
    lblMessage.ForeColor = Drawing.Color.Red  
    lblMessage.Text = "User role not found."  
End If
```

```
Else  
    lblMessage.ForeColor = Drawing.Color.Red  
    lblMessage.Text = "Invalid username or password."  
End If
```

```
End Using
```

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

Signout.aspx

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

Signout.aspx.vb

Partial Class Signout

Inherits System.Web.UI.Page

```
    Protected Sub Page_Load(sender As Object, e As EventArgs) Handles Me.Load
        Session.Clear()
        Session.Abandon()
        Response.Redirect("Default.aspx")
    End Sub
End Class
```

RegisterMenu.aspx

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

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

```
<head runat="server">
    <title>Student Registration</title>
</head>
<body>
    <form id="form1" runat="server">
        <a href="AdminDashboard.aspx">Dashboard</a><br /><br />

        <h2>Meal Type</h2>

        <asp:Table ID="MealTypeTable" runat="server" BorderWidth="1">
            <asp:TableHeaderRow>
                <asp:TableHeaderCell Text="Meal Type Id" />
                <asp:TableHeaderCell Text="Meal Type Name" />
            </asp:TableHeaderRow>
        </asp:Table>

        Meal Type ID:<br />
        <asp:TextBox ID="mealtypeid" runat="server"></asp:TextBox><br />

        Meal Type Name:<br />
        <asp:TextBox ID="mealtypeName" runat="server"></asp:TextBox><br />

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

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

        <h2>Available Meal</h2>
        <asp:Table ID="AvailableMealTable" runat="server" BorderWidth="1">
            <asp:TableHeaderRow>
                <asp:TableHeaderCell Text="Meal Id" />
                <asp:TableHeaderCell Text="Meal Name" />
```

```
</asp:TableHeaderRow>
</asp:Table>
```

```
Available meal ID:<br />
<asp:TextBox ID="AvailableMealId" runat="server"></asp:TextBox><br />
```

```
Available Meal Name:<br />
<asp:TextBox ID="AvailableMealName" runat="server"></asp:TextBox><br
/>
```

```
<asp:Label ID="Label1" runat="server" ForeColor="Red"></asp:Label><br
/><br />
<asp:Button ID="Button1" runat="server" Text="Register" />
```

```
<h2>Menu</h2>
<asp:Table ID="MenuTable" runat="server" BorderWidth="1">
  <asp:TableHeaderRow>
    <asp:TableHeaderCell Text="Menu Id" />
    <asp:TableHeaderCell Text="Available Meal ID" />
    <asp:TableHeaderCell Text="Meal Type ID" />
    <asp:TableHeaderCell Text="Date" />
    <asp:TableHeaderCell Text="Hostel ID" />
  </asp:TableHeaderRow>
</asp:Table>
```

```
Menu ID:<br />
<asp:TextBox ID="MenuId" runat="server"></asp:TextBox><br />
```

```
Available Meal ID:<br />
<asp:TextBox ID="MenuAvalId" runat="server"></asp:TextBox><br />
```

```
Meal Type ID:<br />
```

```

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

Date: ('yyyy-mm-dd')<br />
<asp:Calendar ID="MenuDate" runat="server" />

Hostel:<br />
<asp:RadioButtonList ID="MenuHostelId" runat="server"
RepeatDirection="Vertical"/>
<br />

<asp:Label ID="Label2" runat="server" ForeColor="Red"></asp:Label><br
/><br />
<asp:Button ID="Button2" runat="server" Text="Register" />
</form>
</body>
</html>

```

RegisterMenu.aspx.vb

Imports System.Data

Imports System.Data.SqlClient

Imports System.Net.NetworkInformation

Partial Class RegisterMenu

Inherits System.Web.UI.Page

```

Dim conStr As String = "workstation id=iadlabdb.mssql.somee.com;packet
size=4096;user id=firstlast_SQLLogin_1;pwd=nuoj2l2u8l;data
source=iadlabdb.mssql.somee.com;persist security info=False;initial
catalog=iadlabdb;TrustServerCertificate=True"

```

```
Protected Sub Page_Load(sender As Object, e As EventArgs) Handles Me.Load
    If Session("USERNAME") Is Nothing Then
        Response.Redirect("signin.aspx")
    End If
```

```
LoadMealType()
LoadAvailableMeal()
```

```
LoadMenu()
If Not IsPostBack Then
    LoadHostels()
End If
End Sub
```

```
Private Sub LoadMealType()
    Dim query As String = "SELECT meal_type_id, meal_type_name FROM
MEAL_TYPE_T"
```

```
Try
```

```
For i As Integer = MealTypeTable.Rows.Count - 1 To 1 Step -1
    MealTypeTable.Rows.RemoveAt(i)
```

```
Next
```

```
Using conn As New SqlConnection(conStr)
    Using cmd As New SqlCommand(query, conn)
        conn.Open()
        Dim reader As SqlDataReader = cmd.ExecuteReader()
```

```
While reader.Read()
    Dim row As New TableRow()
```

```
Dim cellId As New TableCell()  
cellId.Text = reader("meal_type_id").ToString()  
row.Cells.Add(cellId)
```

```
Dim cellName As New TableCell()  
cellName.Text = reader("meal_type_name").ToString()  
row.Cells.Add(cellName)
```

```
        MealTypeTable.Rows.Add(row)  
    End While  
    reader.Close()  
End Using  
End Using  
Catch ex As Exception  
    Response.Write("Error loading Meal Type: " & ex.Message)  
End Try  
End Sub
```

```
Private Sub LoadAvailableMeal()  
    Dim query As String = "SELECT * FROM AVAILABLE_MEAL_T"  
  
    Try  
  
        For i As Integer = AvailableMealTable.Rows.Count - 1 To 1 Step -1  
            AvailableMealTable.Rows.RemoveAt(i)  
        Next  
        Using conn As New SqlConnection(conStr)  
            Using cmd As New SqlCommand(query, conn)  
                conn.Open()  
                Dim reader As SqlDataReader = cmd.ExecuteReader()
```

```

While reader.Read()
    Dim row As New TableRow()

    Dim cellId As New TableCell()
    cellId.Text = reader("available_meal_id").ToString()
    row.Cells.Add(cellId)

    Dim cellName As New TableCell()
    cellName.Text = reader("available_meal_name").ToString()
    row.Cells.Add(cellName)

    AvailableMealTable.Rows.Add(row)
End While
reader.Close()
End Using
End Using
Catch ex As Exception
    Response.Write("Error loading Available Meal: " & ex.Message)
End Try
End Sub

```

```

Private Sub LoadHostels()
    Dim conStr As String = "workstation id=iadlabdb.mssql.somee.com;packet
size=4096;user id=firstlast_SQLLogin_1;pwd=nuoj2l2u8l;data
source=iadlabdb.mssql.somee.com;persist security info=False;initial
catalog=iadlabdb;TrustServerCertificate=True"

    Try
        Using con As New SqlConnection(conStr)

```

```
Dim cmd As New SqlCommand("SELECT HOSTEL_ID, HOSTEL_NAME  
FROM HOSTEL_T", con)  
con.Open()
```

```
Dim reader As SqlDataReader = cmd.ExecuteReader()  
MenuHostelId.DataSource = reader  
MenuHostelId.DataTextField = "HOSTEL_NAME" ' What is shown to the  
user
```

```
MenuHostelId.DataValueField = "HOSTEL_ID" ' What is stored behind  
the scenes
```

```
MenuHostelId.DataBind()  
End Using  
Catch ex As Exception  
Response.Write("Error loading hostels: " & ex.Message)  
End Try  
End Sub
```

```
Private Sub LoadMenu()
```

```
Dim query As String = "SELECT * FROM Menu_t"
```

```
Try
```

```
For i As Integer = MenuTable.Rows.Count - 1 To 1 Step -1
```

```
MenuTable.Rows.RemoveAt(i)
```

```
Next
```

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

```
Using cmd As New SqlCommand(query, conn)
```

```
conn.Open()
```

```
Dim reader As SqlDataReader = cmd.ExecuteReader()
```

```
While reader.Read()
```

```
Dim row As New TableRow()
```

```
Dim cellId As New TableCell()  
cellId.Text = reader("menu_id").ToString()  
row.Cells.Add(cellId)
```

```
Dim cellMealTypeId As New TableCell()  
cellMealTypeId.Text = reader("available_meal_id").ToString()  
row.Cells.Add(cellMealTypeId)
```

```
Dim cellAvailableId As New TableCell()  
cellAvailableId.Text = reader("meal_type_id").ToString()  
row.Cells.Add(cellAvailableId)
```

```
Dim cellDate As New TableCell()  
cellDate.Text = reader("Date").ToString()  
row.Cells.Add(cellDate)
```

```
Dim cellHostel As New TableCell()  
cellHostel.Text = reader("Hostel_id").ToString()  
row.Cells.Add(cellHostel)
```

```
    MenuTable.Rows.Add(row)  
End While  
reader.Close()  
End Using  
End Using  
Catch ex As Exception  
    Response.Write("Error loading Available Meal: " & ex.Message)  
End Try  
End Sub
```

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

```
Try
    Using con As New SqlConnection(conStr)
        con.Open()
        Dim insertQuery As String = "INSERT INTO meal_type_t (meal_type_id,
meal_type_name) values (@meal_type_id, @meal_type_name)"
        Using insertCmd As New SqlCommand(insertQuery, con)
            insertCmd.Parameters.AddWithValue("@meal_type_id",
Convert.ToInt32(mealtypeId.Text))
            insertCmd.Parameters.AddWithValue("@meal_type_name",
mealtypeName.Text)
            insertCmd.ExecuteNonQuery()
            lblMessage.Text = "Succussfull Inserted Meal Type"
        End Using
    End Using
    LoadMealType()
    LoadAvailableMeal()
    LoadHostels()
    LoadMenu()
Catch ex As Exception
    lblMessage.ForeColor = Drawing.Color.Red
    lblMessage.Text = "Error: " & ex.Message
End Try
End Sub
```

**Protected Sub Button1_Click(sender As Object, e As EventArgs) Handles
Button1.Click**

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

```

        Dim insertQuery As String = "INSERT INTO available_meal_t
(available_meal_id, available_meal_name) values (@available_meal_id,
@available_meal_name)"
        Using insertCmd As New SqlCommand(insertQuery, con)
            insertCmd.Parameters.AddWithValue("@available_meal_id",
Convert.ToInt32(AvailableMealId.Text))
            insertCmd.Parameters.AddWithValue("@available_meal_name",
AvailableMealName.Text)
            insertCmd.ExecuteNonQuery()
            Label1.Text = "Succussfull Inserted Available Meal"
        End Using
    End Using
    LoadMealType()
    LoadAvailableMeal()
    LoadHostels()
    LoadMenu()
Catch ex As Exception
    Label1.ForeColor = Drawing.Color.Red
    Label1.Text = "Error: " & ex.Message
End Try
End Sub

```

Protected Sub Button2_Click(sender As Object, e As EventArgs) Handles Button2.Click

```

    Try
        'LoadHostels()
        Using con As New SqlConnection(conStr)
            con.Open()
            Dim insertQuery As String = "INSERT INTO menu_t (menu_id,
available_meal_id, meal_type_id, date, hostel_id) values (@menu_id,
@available_meal_id, @meal_type_id, @date, @hostel_id)"
            Using insertCmd As New SqlCommand(insertQuery, con)

```

```
        insertCmd.Parameters.AddWithValue("@menu_id",  
Convert.ToInt32(MenuId.Text))
```

```
        insertCmd.Parameters.AddWithValue("@available_meal_id",  
Convert.ToInt32(MenuAvalId.Text))
```

```
        insertCmd.Parameters.AddWithValue("@meal_type_id",  
Convert.ToInt32(MenuTypeId.Text))
```

```
        insertCmd.Parameters.AddWithValue("@date",  
(MenuDate.SelectedDate).ToString("yyyy-MM-dd"))  
        Dim hostel_id As Integer = MenuHostelId.SelectedValue  
        insertCmd.Parameters.AddWithValue("@hostel_id", hostel_id)
```

```
        insertCmd.ExecuteNonQuery()  
        Label2.Text = "Succussfull Inserted Menu"  
    End Using  
End Using  
LoadMealType()  
LoadAvailableMeal()  
LoadHostels()  
LoadMenu()  
Catch ex As Exception  
    Label2.ForeColor = Drawing.Color.Red  
    Label2.Text = "Error: " & ex.Message & " -> " &  
MenuHostelId.SelectedValue
```

```
    End Try  
End Sub  
End Class
```

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="styles.css" rel="stylesheet" />
    <asp:ContentPlaceholder ID="head" runat="server" />
</head>
<body>
    <form id="form1" runat="server">

        <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

