



# LAB 5

PROJECT INTERFACE

## Default.aspx.vb

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

End Class
```

## Default.aspx

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

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title>HMS</title>
</head>
<body>
    <h1>Hospital Management System</h1>
    Select an option below to get started.

    <form id="form1" runat="server">
        <div>
            <ul>
                <li><a href="Patient_Reg.aspx">Patient Registration</a></li>
                <li><a href="Test_Entry.aspx">New Test Entry</a></li>
            </ul>
        </div>
    </form>

</body>
</html>
```

## Patient\_Reg.aspx.vb

```
Imports System.Data.SqlClient
Imports System.Reflection.Emit

Public Class Patient_Reg
    Inherits System.Web.UI.Page

    Protected Sub Register_Click(ByVal sender As Object, ByVal e As
System.EventArgs)

        Dim constr As String
        constr = "Data source = localhost; Initial Catalog = HMS; Integrated
Security=True;"

        Dim insertSQL As String
        insertSQL = "INSERT INTO PATIENT (PATIENT_ID, PATIENT_NAME, PATIENT_AGE,
GENDER)"
        insertSQL &= "VALUES (@id, @name, @age, @gender)"
```

```

Dim con As New SqlConnection(constr)
Dim cmd As New SqlCommand(insertSQL, con)

cmd.Parameters.AddWithValue("@id", cnic.Value)
cmd.Parameters.AddWithValue("@name", name.Value)
cmd.Parameters.AddWithValue("@age", age.Value)
cmd.Parameters.AddWithValue("@gender", gender.Value)

Try
    con.Open()
    cmd.ExecuteNonQuery()
    label.Text = " </br></br> <b style='color: green;'> Patient registered
successfully! </b>"

Catch ex As Exception
    label.Text = "Error: " & ex.Message

Finally
    con.Close()
    cmd.Dispose()
End Try

End Sub

End Class

```

## Patient\_Reg.aspx

```

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

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title>Patient Registration</title>
</head>
<body>
    <h2>Patient Registration</h2>

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

        <label for="name">Full Name:</label></br>
        <input type="text" id="name" runat="server" required></br></br>

        <label for="age">Age:</label></br>
        <input type="number" id="age" runat="server" required></br></br>

        <label for="gender">Gender:</label></br>
        <select id="gender" runat="server" required>
            <option value="M">Male</option>
            <option value="F">Female</option>
        </select></br></br>

        <label for="cnic">CNIC:</label></br>
    </form>

```

```

        <input type="text" id="cnic" runat="server" placeholder="xxxxx-xxxxxxx-x"
required></br></br>
        <label for="pass">Password:</label></br>
        <input type="password" id="pass" required></br></br>

        <asp:Button ID="reg" runat="server" Text="Register"
OnClick="Register_Click"/>

        <asp:label ID="label" runat="server"></asp:label>

    </form>

</body>
</html>

```

## Test\_Entry.aspx.vb

```

Imports System.Data.SqlClient
Imports System.Reflection.Emit

Public Class Test_Entry
    Inherits System.Web.UI.Page

    Protected Sub Enter_Click(ByVal sender As Object, ByVal e As System.EventArgs)

        Dim constr As String
        constr = "Data source = Localhost; Initial Catalog = HMS; Integrated
Security=True;"

        Dim insertSQL As String
        insertSQL = "INSERT INTO TEST (TEST_ID, TEST_NAME, TEST_COST)"
        insertSQL &= "VALUES (@id, @name, @cost)"

        Dim con As New SqlConnection(constr)
        Dim cmd As New SqlCommand(insertSQL, con)

        cmd.Parameters.AddWithValue("@id", testID.Value)
        cmd.Parameters.AddWithValue("@name", name.Value)
        cmd.Parameters.AddWithValue("@cost", cost.Value)

        Try
            con.Open()
            cmd.ExecuteNonQuery()
            Label.Text = " </br></br> <b style='color: green;'"> Test entered
successfully! </b>"

            Catch ex As Exception
                Label.Text = "Error: " & ex.Message

            Finally
                con.Close()
                cmd.Dispose()
            End Try

        End Sub

    End Class

```

## Test\_Entry.aspx

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

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title>Test Entry</title>
</head>
<body>
    <h2>New Test Entry</h2>

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

        <label for="name">Test Name:</label></br>
        <input type="text" id="name" runat="server" required></br></br>

        <label for="testID">Test ID:</label></br>
        <input type="text" id="testID" runat="server" required></br></br>

        <label for="cost">Test Cost:</label></br>
        <input type="number" id="cost" step="0.1" runat="server" required></br></br>

        <asp:Button ID="enter" runat="server" Text="Enter" OnClick="Enter_Click"/>

        <asp:label ID="label" runat="server"></asp:label>

    </form>

</body>
</html>
```

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