

DEPARTMENT OF COMPUTER & INFORMATION SCIENCES

INTERNET APPLICATION DEVELOPMENT LAB 05

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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="PatientRegistration.aspx">Patient Registration</a></li>

                <li><a href="Searxh.aspx">Search</a></li>

            </ul>

        </div>

    </form>


</body>

</html>
```

Default.aspx.vb

Partial Class _Default

Inherits System.Web.UI.Page

End Class

PatientRegistration.aspx

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

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head>
    <title>Patient Registration</title>
</head>
<body>
    <form id="form1" runat="server">
        <div>
            <h2>Patient Registration</h2>
            <table>
                <tr>
                    <td>Patient ID:</td>
                    <td><asp:TextBox ID="patientID" runat="server"></asp:TextBox></td>
                </tr>
                <tr>
                    <td>Full Name:</td>
                    <td><asp:TextBox ID="txtName" runat="server"></asp:TextBox></td>
                </tr>
                <tr>
                    <td>Age:</td>
                    <td><asp:TextBox ID="txtAge" runat="server"
TextMode="Number"></asp:TextBox></td>
                </tr>
                <tr>
                    <td>Gender:</td>
                    <td>
                        <asp:DropDownList ID="ddlGender" runat="server">

```

```

        <asp:ListItem Text="--Select--" Value=""></asp:ListItem>
        <asp:ListItem Text="Male" Value="M"></asp:ListItem>
        <asp:ListItem Text="Female" Value="F"></asp:ListItem>
    </asp:DropDownList>
</td>
</tr>
<tr>
    <td colspan="2">
        <asp:Button ID="btnRegister" runat="server" Text="Register"
OnClick="btnRegister_Click" />
    </td>
</tr>
<tr>
    <td colspan="2">
        <asp:Label ID="lblMessage" runat="server" ForeColor="Green" />
    </td>
</tr>
</table>
<p><a href="Default.aspx">Back to Login</a></p>
</div>
</form>
</body>
</html>

```

PatientRegistration.aspx.vb

Imports System.Data.SqlClient

Partial Class PatientRegistration

Inherits System.Web.UI.Page

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

```
Dim id As String = patientID.Text  
Dim name As String = txtName.Text  
Dim age As Integer  
If Not Integer.TryParse(txtAge.Text, age) Then
```

```
    Exit Sub
```

```
End If
```

```
Dim gender As String = ddlGender.SelectedValue
```

```
Dim connectionString As String = "workstation  
id=Hospital_Management_System.mssql.somee.com;packet size=4096;user  
id=maliqadri_SQLLogin_1;pwd=dqc1rki42z;data  
source=Hospital_Management_System.mssql.somee.com;persist security info=False;initial  
catalog=Hospital_Management_System;TrustServerCertificate=True"
```

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

```
    Dim query As String = "INSERT INTO  
PATIENT(PATIENT_ID,PATIENT_NAME,PATIENT_AGE,GENDER) VALUES (@Id,  
@Name, @Age, @Gender)"
```

```
    Dim cmd As New SqlCommand(query, con)
```

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

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

```
    cmd.Parameters.AddWithValue("@Age", age)
```

```
    cmd.Parameters.AddWithValue("@Gender", gender)
```

```
    con.Open()
```

```
    cmd.ExecuteNonQuery()
```

```
    con.Close()
```

```
End Using
```

```
lblMessage.Text = "Patient registered successfully!"
```

```
patientID.Text = ""
```

```
txtName.Text = ""
```

```
txtAge.Text = ""
```

```
ddlGender.SelectedIndex = 0
```

```
End Sub
```

```
End Class
```

search.aspx

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

```
<!DOCTYPE html>
```

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

```
<head>
```

```
    <title>HMS - Search</title>
```

```
</head>
```

```
<body>
```

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

```
        <div>
```

```
            <h2>Search Hospital Records</h2>
```

```
            <table>
```

```
                <tr>
```

```
                    <td>Search Type:</td>
```

```
                    <td>
```

```
                        <asp:DropDownList ID="ddlSearchType" runat="server">
```

```
                            <asp:ListItem Value="patient">Patient</asp:ListItem>
```

```
                            <asp:ListItem Value="doctor">Doctor</asp:ListItem>
```

```
                            <asp:ListItem Value="appointment">Appointment</asp:ListItem>
```

```
                        </asp:DropDownList>
```

```
                    </td>
```

```
                </tr>
```

```
                <tr>
```

```
                    <td>Search Text:</td>
```

```
                    <td>
```

```
                        <asp:TextBox ID="txtSearchText" runat="server"></asp:TextBox>
```

```
                    </td>
```

```

        </tr>
        <tr>
            <td colspan="2">
                <asp:Button ID="btnSearch" runat="server" Text="Search" />
            </td>
        </tr>
    </table>
    <br />
    <asp:GridView ID="GridViewResults" runat="server" AutoGenerateColumns="True"
/>
    <br />
    <a href="dashboard.aspx">Back to Dashboard</a>
</div>
</form>
</body>
</html>

```

search.aspx.vb

Imports System.Data.SqlClient

Partial Class Search

Inherits System.Web.UI.Page

Protected Sub btnSearch_Click(sender As Object, e As EventArgs) Handles
btnSearch.Click

Dim connectionString As String =
ConfigurationManager.ConnectionStrings("HMSCConnectionString").ConnectionString

Dim query As String = ""

Dim tableName As String = ddlSearchType.SelectedValue

Select Case tableName

Case "patient"

query = "SELECT PatientID AS ID, FullName AS Name, CAST(Age AS
NVARCHAR) + '/' + Gender AS Details FROM Patient WHERE FullName LIKE
@SearchText"

Case "doctor"

query = "SELECT DoctorID AS ID, FullName AS Name, Specialty AS Details
FROM Doctor WHERE FullName LIKE @SearchText"

Case "appointment"

query = "SELECT AppointmentID AS ID, PatientName AS Name,
AppointmentDate AS Details FROM Appointment WHERE PatientName LIKE
@SearchText"

End Select

Using con As New SqlConnection(connectionString)

Using cmd As New SqlCommand(query, con)

cmd.Parameters.AddWithValue("@SearchText", "%" & txtSearchText.Text & "%")

con.Open()

Dim reader As SqlDataReader = cmd.ExecuteReader()

GridViewResults.DataSource = reader

GridViewResults.DataBind()

End Using

End Using

End Sub

End Class