@Home.aspx:

Description: This is the starting page when the users enter the website URL.

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="Home.aspx.cs"
Inherits="HospitalSystem.Home" %>

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title>INSAT Hospital</title>
     <link href="css/style.css" type="text/css" rel="stylesheet"/>
</head>
<body>
    <link href="style.css" type="text/css" rel="stylesheet"/>
    <form id="form1" runat="server">
        <div>
            Contact Us +1 (940) 662-0000 / 01 | INSAT@hospital.com <br/>
        </div>
        <div class="logo">
            <div>
                <table>
                    <tr>
                        <td  style="font-size:50px;font-family:Times New
Roman;color:#428bca"> INSAT Hospital</td>
                        <td> <br/> <br/>
                                    <a href="Loginpage2.aspx">LOGIN</a>
                        <a href="Register.aspx">REGISTER</a>
                                    <a href="About.aspx">ABOUT US</a>
                                    <a href="contact.html">CONTACT US</a>



                        </td>
                    </tr>
                </table>
            </div>
        </div>
         <div class="bottom">
            <div>
                <table border="0">
                    <tr>
                        <td style="color:#000">
                                Welcome to INSAT Hospital  <br/> <br/>

                            Best Medical & Health care Needs to Our Patients
<br/> <br/>

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

<br>
                        </td>
                    </tr>
                </table>
            </div>
        </div>
```

```
        <div class="bottom">
                <div>
                        <table border="0">
                                <tr>
                                        <td style="color:#000">
                                                Address   <br/> <br/>

                                        INSAT Hospital   <br/> <br/>

2222 OAK Street<br/>
DENTON, TX-76201 <br/> Contact No - (940) 123-4567 <br/> Email:
INSAT@hospital.com<br/><br/>


<br/>
 </td>


                                        <td style="padding-left:20px;"> </td>
                                </tr>


                        </table>
                </div>
        </div>


        <div class="nav_down">
                <div>
                 &copy; INSAT Hospital, site designed & developed by TEAM 7
                </div>
        </div>



    </form>
</body>
</html>
```

@Loginpage2.aspx:

Description: This is the html code for the login page all the users like employees, admin, doctor can login at a single login page.

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="Loginpage2.aspx.cs"
Inherits="HospitalSystem.Loginpage2" %>
<link href="//maxcdn.bootstrapcdn.com/bootstrap/4.1.1/css/bootstrap.min.css"
rel="stylesheet" id="bootstrap-css">
<script src="//maxcdn.bootstrapcdn.com/bootstrap/4.1.1/js/bootstrap.min.js"></script>
<script src="//cdnjs.cloudflare.com/ajax/libs/jquery/3.2.1/jquery.min.js"></script>
```

```
<!DOCTYPE html>
<head>
    <style>
        body {
  background: url(bg2.jpg);
  background-repeat: no-repeat;
    background-size: 100% 100%;
  object-fit:cover;

}


    </style>
</head>

<html xmlns="http://www.w3.org/1999/xhtml">
    <head>
        <style>
            .button1 {width: 250px;}
        </style>
    </head>

<body >
    <tr>


    <form id="form1" runat="server">
        <div>
            <style type="text/css">
        .auto-style1 {
            width: 194px;
        }
        .auto-style2 {
            width: 242px;
        }
    </style>
        <table align="center" style="width: 380px" cellspacing="5" cellpadding="7"  >

                <tr>
                <div class="row justify-content-center">
                <div class="col-md-8">
                    <div class="card">
                        <div class="card-header" fon>Login</div>
                </tr>
        <tr>
            <br><br><br><br><br><br>
              <td  > </td>
            <td> Login </td>
            <td>
                <asp:TextBox ID="loginTextBox" runat="server"
OnTextChanged="loginTextBox_TextChanged"></asp:TextBox>
            </td>
        </tr>
        <tr>
            <td class="auto-style1"> </td>
            <td class="auto-style1">Password</td>
            <td>
```

```
                    <asp:TextBox ID="passTextBox" runat="server"
OnTextChanged="passTextBox_TextChanged"></asp:TextBox>
            </td>
        </tr>
        <tr>
            <td class="auto-style1"> </td>
            <td class="auto-style2"> </td>
            <td> </td>
        </tr>
        <tr>
            <td class="auto-style1"> </td>
            <td class="auto-style2">
                <asp:Button class="btn btn-primary btn-lg btn-block login-button"
ID="Button1" runat="server" OnClick="Button1_Click" Text="Login" Width="150px" />
            </td>
            <td>
                <asp:Button class="btn btn-primary btn-lg btn-block login-button"
ID="Button2" runat="server" OnClick="Button2_Click" Text="Change password" Width="180px"
/>
            </td>
            <td>
                <asp:Button class="btn btn-primary btn-lg btn-block login-button"
ID="Button3" runat="server" Text="Home" OnClick="Button3_Click" Width="98px" />
            </td>

        </tr>
        <tr>
            <td class="auto-style1"> </td>
            <td class="auto-style2">
                <asp:Label ID="Label1" runat="server"></asp:Label>
                </td><td>
                <asp:Label ID="Label2" runat="server"></asp:Label>
            </td>
            <td> </td>
        </tr>
    </table>
        </div>
    </form>
</body>
</html>
```

@Loginpage2.aspx.cs:

Description: This is the c# code for the login page.

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
using HospitalSystem.App_Code;

namespace HospitalSystem
{
    public partial class Loginpage2 : System.Web.UI.Page
```

```csharp
    {
        protected void Page_Load(object sender, EventArgs e)
        {
            /*LoginPageunittest lp = new LoginPageunittest();
            Response.Write(lp.Userid+ " " + lp.password) ;
            Response.Write(lp.docid + " " + lp.docpassword);
            Response.Write(lp.fduid + " " + lp.fdupassword);
            Response.Write(lp.patientid + " " + lp.patientpswd);*/
                }

        protected void Button1_Click(object sender, EventArgs e)
        {
            Class1 c = new Class1();
            string str = loginTextBox.Text.Trim();
            Label2.Text = str.Substring(0, 1);
            if (Equals(str.Substring(0,1),"d")==true)
                {

                c.cmd.CommandText = "Select * from Doctor1 where DoctorID='" +
loginTextBox.Text + "' and pswd='" + passTextBox.Text + "'";
                c.ds.Clear();
                c.adp.Fill(c.ds, "vt");
                if (c.ds.Tables["vt"].Rows.Count == 0)
                {
                    Label1.Text = "Username or Password does not exist! Try again";
                }
                else
                {
                    Session["user"] = loginTextBox.Text;
                    Response.Redirect("WelcomeDoctor.aspx");
                }
                //c.ds.Clear();
                //c.adp.Fill(c.ds, "vt");

            }
            else if(Equals(str.Substring(0, 1),"p")==true)
            {
                c.cmd.CommandText = "Select * from Patient1 where PatientID='" +
loginTextBox.Text + "' and pswd='" + passTextBox.Text + "'";
                c.ds.Clear();
                c.adp.Fill(c.ds, "vt");
                if (c.ds.Tables["vt"].Rows.Count == 0)
                {
                    Label1.Text = "Username or Password does not exist! Try again";
                }
                else
                {
                    Session["user"] = loginTextBox.Text;
                    Response.Redirect("WelcomePatient.aspx");
                }
            }
            else if (Equals(str.Substring(0, 1),"e")==true)
            {
                c.cmd.CommandText = "Select * from Persons where EmployeeID='" +
loginTextBox.Text + "' and pswd='" + passTextBox.Text + "'";
                c.ds.Clear();
                c.adp.Fill(c.ds, "vt");
                if (c.ds.Tables["vt"].Rows.Count == 0)
```

```csharp
            {
                Label1.Text = "Username or Password does not exist! Try again";
            }
            else
            {
                Session["user"] = loginTextBox.Text;
                Response.Redirect("WelcomeEmp.aspx");
            }
        }

        else if (Equals(str.Substring(0, 1), "a") == true)
        {
            c.cmd.CommandText = "Select * from tableadmin where Adminid='" +
loginTextBox.Text + "' and password='" + passTextBox.Text + "'";
            c.ds.Clear();
            c.adp.Fill(c.ds, "vt");
            if (c.ds.Tables["vt"].Rows.Count == 0)
            {
                Label1.Text = "Username or Password does not exist! Try again";
            }
            else
            {
                Session["user"] = loginTextBox.Text;
                Response.Redirect("WelcomeEmp.aspx");
            }
        }

        else
        {
            Label1.Text = "Invalid Userid";
        }


        /*if (c.ds.Tables["vt"].Rows.Count > 0)
        {
            Class2.username = textBox1.Text.Trim().ToUpper();
            //this.Hide();
            MDIParent1 window = new MDIParent1();
            window.Show();

        }
        else
        {
            label1.Text = "Login Failed";
        }
        */
    }

    protected void Button2_Click(object sender, EventArgs e)
    {

    }

    protected void loginTextBox_TextChanged(object sender, EventArgs e)
    {

    }
```

```
        protected void passTextBox_TextChanged(object sender, EventArgs e)
        {

        }

        protected void Button3_Click(object sender, EventArgs e)
        {
            Response.Redirect("Home.aspx");
        }
    }
}
```

@AddEmp.aspx:

Description: This is the html code for adding the Front desk user.

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="AddEmp.aspx.cs"
Inherits="HospitalSystem.AddEmp" %>
<link href="//maxcdn.bootstrapcdn.com/bootstrap/4.1.1/css/bootstrap.min.css"
rel="stylesheet" id="bootstrap-css">
<script src="//maxcdn.bootstrapcdn.com/bootstrap/4.1.1/js/bootstrap.min.js"></script>
<script src="//cdnjs.cloudflare.com/ajax/libs/jquery/3.2.1/jquery.min.js"></script>

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title>Add Employee</title>
    <style>
        body {
            background: url(bg4.jpg);
            background-repeat: no-repeat;
            background-size: 100% 100%;
            object-fit: cover;
        }
    </style>
</head>
<body>
    <form id="form1" runat="server">
        <div>
            <table>
        <tr>
            <td align="center">
                 </td>
            </tr>
    </table>


    <table style="background-color: #f2f2f2; width: 900px">

                <tr>

                 <table align="center" style="width: 380px" cellspacing="5"
cellpadding="7"  >
                 <tr>
```

```html
<div class="row justify-content-center">
<div class="col-md-8">
    <div class="card">
        <div class="card-header">Add Employee</div>
</tr>
                <tr>
 <td align="center" class="style1" style="background-image:
url('BG'); ">
        </tr>

        <tr >
    <div class="form-group">
        <td for="name" class="cols-sm-2 control-label"  align="right">First
Name</td>
           <div class="input-group">
                <span class="input-group-addon"><i class="fa fa-user fa"
aria-hidden="true"></i></span>
        <td><asp:TextBox ID="nameTxt" runat="server"
OnTextChanged="nameTxt_TextChanged"></asp:TextBox></td>
            </div>
        </tr>

        <tr >
    <td align="right"> Last Name</td>
    <td><asp:TextBox ID="TextBox2" runat="server"
OnTextChanged="nameTxt_TextChanged"></asp:TextBox></td>
        </tr>

    <tr ><td

              &nbsp
;  Age</td>
        <td><asp:TextBox ID="TextBox3" runat="server"
OnTextChanged="nameTxt_TextChanged"></asp:TextBox></td>
        </tr>
     <tr>
       <td align="right">Phone Number</td>
    <td><asp:TextBox ID="emailTxt" runat="server"
OnTextChanged="emailTxt_TextChanged"></asp:TextBox></td>
        </tr>

      <tr >
    <td align="right">Gender</td>
    <td>
        <asp:RadioButtonList ID="RadioButtonList1" runat="server">
            <asp:ListItem>male</asp:ListItem>
            <asp:ListItem>Female</asp:ListItem>
        </asp:RadioButtonList>
      
            </td>
        </tr>

    <tr>
<td align="right">Address</td>
<td><asp:TextBox ID="addressTxt" runat="server"></asp:TextBox></td>
</tr>
```

```
                <tr><td>
        Date of Birth</td>
                    <td>
                        <asp:TextBox ID="TextBox1" runat="server"></asp:TextBox>
    </td>
    </tr>

                     <tr>
                     <td align="right">Joining Date</td>
                     <td>
                         <asp:Label ID="Label4" runat="server" Text=""></asp:Label>
                         </td>
                    </tr>
                        <tr>
                     <td align="right">EmpID      <td align="right"></td>
                                <td><asp:Label ID="Label2"
runat="server"></asp:Label></td>

                    </tr>
                        <tr>
                     <td align="right">Your Password</td>
                                <td>  <asp:Label ID="Label3"
runat="server"></asp:Label></td>

                    </tr>

    <tr>
    <td colspan="2" align="center">
        <br />

 
        <br />
        <asp:Button  class="btn btn-primary btn-lg btn-block login-button" ID="submitBtn"
runat="server" Text="Submit" OnClick="submitBtn_Click" />
        <br />
        <asp:Label ID="Label1" runat="server"></asp:Label>
        </td>
    </tr>

    <tr>
    <td colspan="2" align="center">


 
                    <asp:Button class="btn btn-primary btn-lg btn-block login-button"
ID="Button1" runat="server" Text="Home" OnClick="Button1_Click" />


        <asp:Label ID="Label5" runat="server"></asp:Label>
        </td>
    </tr>



    </table>
    </td>
    </tr>
```

```
        </table>



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

@AddEmp.aspx.cs:

This is the c# code for adding front desk user which is done by admin.

```csharp
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
using System.Text;
using System.Data;
using System.Data.SqlClient;
using HospitalSystem.App_Code;

namespace HospitalSystem
{
    public partial class AddEmp : System.Web.UI.Page
    {
        Class1 c = new Class1();
        protected void Page_Load(object sender, EventArgs e)
        {

            if (!IsPostBack)
            {
                autoid();
                RandomString();
            }

        }

        public string RandomString()
        {
            StringBuilder builder = new StringBuilder();
            Random random = new Random();
            char ch;
            for (int i = 0; i < 10; i++)
            {
                ch = Convert.ToChar(Convert.ToInt32(Math.Floor(26 * random.NextDouble() +
65)));

                builder.Append(ch);
            }
            return builder.ToString();
        }

        public string autoid()
        {
```

```csharp
            string eid = "emp";
            string empid;
            int n;
            // c.cmd2.CommandText = "select max(Convert(int,substring(" + column + "," +
    Convert.ToInt32(text.Length + 1) + ",len(" + column + ")))) from " + table;
            //c.cmd2.CommandText = "Select max(ID) from Patient";
            //SqlCommand cmd = new SqlCommand("Select max(ID) from Persons", c.con);
            c.cmd.CommandText = "Select max(ID) from Persons";
            c.con.Open();
            if (c.cmd.ExecuteScalar() == DBNull.Value)
            {
                n = 1;
            }
            else
            {
                n = Convert.ToInt32(c.cmd.ExecuteScalar());
                n = n + 1;
            }
            c.con.Close();

            empid = eid + n.ToString();
            return empid;
        }

        protected void submitBtn_Click(object sender, EventArgs e)
        {
            try
            {
                //SqlCommand cmd = new SqlCommand("select * from Persons", c.con);
                string str = autoid();
                string str1 = RandomString();
              c.cmd.CommandText = "select * from Persons";
              c.ds.Clear();
                    //c.con.Open();
                c.adp.Fill(c.ds, "vt");
                //c.con.Close();
                c.dr = c.ds.Tables["vt"].NewRow();
                //c.dr["username"] = usernameTextBox.Text.Trim();
                c.dr["LastName"] = TextBox2.Text.Trim();
                c.dr["FirstName"] = nameTxt.Text.Trim();
                c.dr["Age"] = Convert.ToInt32(TextBox3.Text.Trim());
                c.dr["EmployeeID"] = str;
                c.dr["Gender"] = RadioButtonList1.SelectedItem.ToString();
                c.dr["Addrs"] = addressTxt.Text.Trim();
                c.dr["phoneno"] =(emailTxt.Text.Trim());
                c.dr["DOB"] = TextBox1.Text.Trim();
                c.dr["pswd"] = str1;
                c.dr["joiningdate"] = DateTime.Now;
                //string str = c.dr["pswd"];
                // c.dr["emailid"] = emailTxt.Text.Trim();

                //c.dr["ans"] = yourAnsTxt.Text;


                /*if (FileUpload1.HasFile)
                {
                    string p = "~/image/" + FileUpload1.FileName;
                    FileUpload1.SaveAs(Server.MapPath(p));
```

```csharp
                    c.dr["pic"] = p;

                }*/
                c.ds.Tables["vt"].Rows.Add(c.dr);

                c.scb.DataAdapter = c.adp;
                c.adp.Update(c.ds.Tables["vt"]);
                //Label2.Text = "Your id is";
                Label4.Text = Convert.ToString(DateTime.Now);
                Label2.Text = str;
                Label3.Text = str1;
                Label1.Text = "Registration Successful";

              // c.con.Close();
            }

            catch (Exception m)
            {
                Label1.Text = m.ToString();


            }
        }

        protected void nameTxt_TextChanged(object sender, EventArgs e)
        {

        }

        protected void emailTxt_TextChanged(object sender, EventArgs e)
        {

        }

        protected void Button1_Click(object sender, EventArgs e)
        {
            Response.Redirect("About.aspx");
        }

        protected void mobileTxt_TextChanged(object sender, EventArgs e)
        {

        }
    }
}
```

@AddDoc.aspx:

Description: This is the html code for adding the doctor into the database which is performed by the admin.

```aspx
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="AddDoc.aspx.cs"
Inherits="HospitalSystem.AddDoc" %>
<link href="//maxcdn.bootstrapcdn.com/bootstrap/4.1.1/css/bootstrap.min.css"
rel="stylesheet" id="bootstrap-css">
<script src="//maxcdn.bootstrapcdn.com/bootstrap/4.1.1/js/bootstrap.min.js"></script>
<script src="//cdnjs.cloudflare.com/ajax/libs/jquery/3.2.1/jquery.min.js"></script>
```

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <style>
        body {
            background: url(bg4.jpg);
            background-repeat: no-repeat;
            background-size: 100% 100%;
            object-fit: cover;
        }
    </style>

</head>
<body>
    <form id="form1" runat="server">
        <div>
            <table width="100%">
        <tr>
            <td align="center">
            <asp:Button ID="Button1" runat="server" Text="Home" OnClick="Button1_Click"
/>
                </td>
            </tr>
    </table>


    <table style=" width: 900px">
                        <tr>

                    <table align="center" style="width: 380px" cellspacing="5"
cellpadding="7"  >
                    <tr>
                    <div class="row justify-content-center">
                    <div class="col-md-8">
                        <div class="card">
                            <div class="card-header">Add Doctor</div>
                    </tr>


                    <table align="center" style="width: 380px" cellspacing="5"
cellpadding="7"  >

                    <tr>
                    <td  colspan="2" align="center" style=" font-weight:bold; font-
style:italic; font-size:larger;">Add Doctor</td>
                    </tr>

                        <tr><td> </td>
                    </tr>

                    <tr>
                    <td align="right">First Name</td>
                    <td><asp:TextBox ID="nameTxt" runat="server"
OnTextChanged="nameTxt_TextChanged"></asp:TextBox></td>
                        </tr>
```

```html
<tr >
<td align="right">Last Name</td>
<td><asp:TextBox ID="TextBox2" runat="server"></asp:TextBox></td>
</tr>

 <tr ><td>
      Age</td>
<td><asp:TextBox ID="TextBox3" runat="server"></asp:TextBox></td>
</tr>

 <tr ><td>
      Experience</td>
<td><asp:TextBox ID="TextBox4" runat="server"></asp:TextBox></td>
</tr>


    <tr>
  <td align="right">Gender</td>
   <td>
        <asp:RadioButtonList ID="RadioButtonList1" runat="server">
            <asp:ListItem>male</asp:ListItem>
            <asp:ListItem>Female</asp:ListItem>
        </asp:RadioButtonList>
      
        </td>
    </tr>

            <tr>
<td align="right">Address</td>
<td><asp:TextBox ID="addressTxt" runat="server"></asp:TextBox></td>
</tr>


<tr>
<td align="right">Mobile_no.</td>
<td><asp:TextBox ID="mobileTxt" runat="server"></asp:TextBox></td>
</tr>

            <tr>
            <td align="right">Date_of_Birth</td>
            <td>
                <asp:TextBox ID="TextBox1" runat="server"></asp:TextBox>
</td>
</tr>

             <tr>
             <td align="right">Speciality</td>
             <td> <asp:DropDownList ID="spList" runat="server" Height="44px"
Width="132px">
                 <asp:ListItem>--Select--</asp:ListItem>
                 <asp:ListItem>Cancer</asp:ListItem>
                 <asp:ListItem>Pediatrician</asp:ListItem>
                 <asp:ListItem>Neuro</asp:ListItem>
                 <asp:ListItem>ENT</asp:ListItem>
             </asp:DropDownList></td>
             </tr>
                 <tr>
```

```
                    <td align="right">EmpID</td>
                            <td><asp:Label ID="Label2"
runat="server"></asp:Label></td>

                    </tr>
                        <tr>
                    <td align="right">Your Password</td>
                            <td><asp:Label ID="Label3"
runat="server"></asp:Label></td>

                    </tr>

    <tr>
    <td colspan="2" align="center">
        <br />

 
        <br />
        <asp:Button ID="submitBtn" runat="server" Text="Submit" OnClick="submitBtn_Click"
/>
        <br />
        <asp:Label ID="Label1" runat="server"></asp:Label>
        </td>
    </tr>

    </table>
    </td>
    </tr>

    </table>



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

@AddDoc.aspx.cs:

Description: This is the c# code for adding the doctor into the database.

```csharp
using System;
using System.Text;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
using System.Data;
using System.Data.SqlClient;
using HospitalSystem.App_Code;

namespace HospitalSystem
{
```

```csharp
public partial class AddDoc : System.Web.UI.Page
{
    Class1 c = new Class1();
    protected void Page_Load(object sender, EventArgs e)
    {

        if (!IsPostBack)
        {
            autoid();
        }
        // unit test
        /*
        adddocunittest obj = new adddocunittest();
        c.cmd.CommandText = "select * from Doctor1";
        c.ds.Clear();
        c.adp.Fill(c.ds, "vt");
        c.dr = c.ds.Tables["vt"].NewRow();
        //c.dr["username"] = usernameTextBox.Text.Trim();
        c.dr["pswd"] = obj.docpwd;
        c.dr["LastName"] = obj.lname;
        c.dr["FirstName"] = obj.fname;
        c.dr["phoneno"] = obj.phone;
        c.dr["Speciality"] = obj.speciality;
        c.dr["Age"] = obj.age;
        c.dr["DoctorID"] = obj.id;
        c.dr["DOB"] = obj.dob;
        c.dr["Experience"] = obj.experience;
        // c.dr["ans"] = yourAnsTxt.Text;
        c.dr["Gender"] = obj.gender;
        //c.dr["joiningdate"] = DateTime.Now;
        c.dr["Addrs"] = obj.address;
        */

        //unit test over

    }

    public string RandomString()
    {
        StringBuilder builder = new StringBuilder();
        Random random = new Random();
        char ch;
        for (int i = 0; i < 10; i++)
        {
            ch = Convert.ToChar(Convert.ToInt32(Math.Floor(26 * random.NextDouble() +
65)));

            builder.Append(ch);
        }
        return builder.ToString();
    }

    public string autoid()
    {
        string did = "doc";
        string doctid;
        int n;
```

```csharp
            // c.cmd2.CommandText = "select max(Convert(int,substring(" + column + "," +
Convert.ToInt32(text.Length + 1) + ",len(" + column + ")))) from " + table;
            //c.cmd2.CommandText = "Select max(ID) from Patient";
        // SqlCommand cmd = new SqlCommand("Select max(ID) from Doctor", c.con);
            c.cmd.CommandText = "Select max(ID) from Doctor1";
            c.con.Open();
            if (c.cmd.ExecuteScalar() == DBNull.Value)
            {
                n = 1;
            }
            else
            {
                n = Convert.ToInt32(c.cmd.ExecuteScalar());
                n = n + 1;
            }
            c.con.Close();

            doctid = did + n.ToString();
            return doctid;
        }

        protected void submitBtn_Click(object sender, EventArgs e)
        {

            try
            {
                string str = autoid();
                string str1 = RandomString();
                c.cmd.CommandText = "select * from Doctor1";
                c.ds.Clear();
                c.adp.Fill(c.ds, "vt");
                c.dr = c.ds.Tables["vt"].NewRow();
                //c.dr["username"] = usernameTextBox.Text.Trim();
                c.dr["pswd"] = str1;
                c.dr["LastName"] = TextBox2.Text.Trim();
                c.dr["FirstName"] = nameTxt.Text.Trim();
                c.dr["phoneno"] = mobileTxt.Text.Trim();
                c.dr["Age"] = Convert.ToInt32(TextBox3.Text.Trim());
                c.dr["DoctorID"] = str;
                //c.dr["emailid"] = emailTxt.Text.Trim();
                c.dr["speciality"] = spList.SelectedValue;
                c.dr["experience"] = TextBox4.Text.Trim();
                //c.dr["ans"] = yourAnsTxt.Text;
                c.dr["Gender"] = RadioButtonList1.SelectedItem.ToString();
                c.dr["joiningdate"] = DateTime.Now;
                c.dr["Addrs"] = addressTxt.Text.Trim();


                /*if (FileUpload1.HasFile)
                {
                    string p = "~/image/" + FileUpload1.FileName;
                    FileUpload1.SaveAs(Server.MapPath(p));
                    c.dr["pic"] = p;

                }*/
                c.ds.Tables["vt"].Rows.Add(c.dr);

                c.scb.DataAdapter = c.adp;
```

```
                c.adp.Update(c.ds.Tables["vt"]);
                Label2.Text = str;
                Label3.Text = str1;
                Label1.Text = "Registration Successful";
            }

            catch(Exception m)
            {
                Label1.Text = m.ToString();

            }
        }

        protected void Button1_Click(object sender, EventArgs e)
        {
            Response.Redirect("About.aspx");

        }

        protected void nameTxt_TextChanged(object sender, EventArgs e)
        {

        }
    }
}
```

@Register.aspx:

Description: This is the html code for register page where the user can register online.

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="Register.aspx.cs"
Inherits="HospitalSystem.Register" %>

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title>Register Page</title>

    <link href="StyleSheet5.css" rel="Stylesheet" type="text/css" />

    <style type="text/css">
        .style1
        {
            background-repeat: no-repeat;
            background-position: center;
            height: 683px;
        }
        .auto-style1 {
            width: 505px;
        }
        .auto-style2 {
            height: 78px;
        }
        .auto-style3 {
            width: 505px;
```

```
            height: 78px;
        }
    </style>

</head>
<body style="background-image:url(Images/background_image.jpg)">
    <form id="form2" runat="server">
    <div>
    <table width="100%">
        <tr>
            <td align="center">
            <asp:Button ID="Button1" runat="server" Text="Home" OnClick="Button1_Click"
/>
            </td>
        </tr>
    <tr><td align="center">

    <table width="75%" style=" top:50px">
    <tr>
    <td style="background-color:#f2f2f2" align="center" colspan="2">

    <table style="background-color: #f2f2f2; width: 900px">

                    <tr>
                     <td align="center" class="style1" style="background-image:
url('images/Light-Blue-HD-Backgrounds-Free-Download.jpg'); ">

                    <table style="width: 380px" cellspacing="5" cellpadding="7"  >

                     <tr>
                     <td  colspan="2" align="center" style=" color:#7D0541; font-
weight:bold; font-style:italic; font-size:larger;">Register Your self........ </td>
                     </tr>

                     <tr style="background-color:#CEE3F6">
                     <td align="right">First Name</td>
                     <td class="auto-style1"><asp:TextBox ID="nameTxt"
runat="server"></asp:TextBox></td>
                            <td>
                                <asp:RequiredFieldValidator ID="RequiredFieldValidator1"
runat="server" ErrorMessage="First Name Empty"
ControlToValidate="nameTxt"></asp:RequiredFieldValidator>
                            </td>
                        </tr>

                     <tr>
                     <td align="right">Last name</td>
                     <td class="auto-style1"><asp:TextBox ID="TextBox2"
runat="server"></asp:TextBox></td>
                            <td>
                                <asp:RequiredFieldValidator ID="RequiredFieldValidator2"
runat="server" ErrorMessage="RequiredField"
ControlToValidate="TextBox2"></asp:RequiredFieldValidator>
                            </td>
                        </tr>

                     <tr>
                     <td align="right">Age</td>
```

```
                    <td class="auto-style1"><asp:TextBox ID="TextBox3"
runat="server"></asp:TextBox></td>
                        <td>
                            <asp:RequiredFieldValidator ID="RequiredFieldValidator6"
runat="server" ErrorMessage="RequiredField"
ControlToValidate="TextBox3"></asp:RequiredFieldValidator>
                        </td>
                    </tr>
                 <tr>
                    <td align="right" class="auto-style2">Date_of_Birth</td>
                    <td class="auto-style3">
                        <asp:TextBox ID="TextBox4" runat="server"
ReadOnly="False"></asp:TextBox><br />
                    </td>
                        <td class="auto-style2">
                        <br />

                        </td>
                    </tr>
                    <tr>
                        <td align="right">E-mail</td>
                        <td class="auto-style1"><asp:TextBox ID="emailTxt"
runat="server"></asp:TextBox></td>
                            <td>
                                <asp:RegularExpressionValidator
ID="RegularExpressionValidator1" runat="server" ErrorMessage="invalid email address"
ControlToValidate="emailTxt" ValidationExpression="\w+([-+.']\w+)*@\w+([-.]\w+)*\.\w+([-
.]\w+)*"></asp:RegularExpressionValidator>
                                <asp:RequiredFieldValidator ID="RequiredFieldValidator5"
runat="server" ErrorMessage="RequiredField"
ControlToValidate="emailTxt"></asp:RequiredFieldValidator>
                            </td>
                        </tr>


                    <tr style="background-color:#CEE3F6">
                    <td align="right">Gender</td>
                     <td class="auto-style1">
                        <asp:RadioButtonList ID="RadioButtonList1" runat="server">
                            <asp:ListItem>male</asp:ListItem>
                            <asp:ListItem>Female</asp:ListItem>
                        </asp:RadioButtonList>
      
                        </td>
                        <td>
                            <asp:RequiredFieldValidator
ID="RequiredFieldValidator4" runat="server" ErrorMessage="RequiredField"
ControlToValidate="RadioButtonList1"></asp:RequiredFieldValidator>
                        </td>
                    </tr>

                    <tr>
    <td align="right">Address</td>
    <td class="auto-style1"><asp:TextBox ID="addressTxt"
runat="server"></asp:TextBox></td>
                        <td>
```

```
                                <asp:RequiredFieldValidator ID="RequiredFieldValidator3"
runat="server" ErrorMessage="RequiredField"
ControlToValidate="addressTxt"></asp:RequiredFieldValidator>
                                </td>
        </tr>


        <tr style="background-color:#CEE3F6">
        <td align="right">Mobile_no.</td>
        <td class="auto-style1"><asp:TextBox ID="mobileTxt"
runat="server"></asp:TextBox></td>
            <td>
                <asp:RequiredFieldValidator ID="RequiredFieldValidator7" runat="server"
ControlToValidate="mobileTxt" ErrorMessage="RequiredField"></asp:RequiredFieldValidator>
            </td>
        </tr>
                                <tr>
                        <td align="right">PatientID</td>
                                <td class="auto-style1"><asp:Label ID="Label3"
runat="server"></asp:Label></td>


                </tr>
                    <tr>
                        <td align="right">Your Password</td>
                                <td class="auto-style1"><asp:Label ID="Label4"
runat="server"></asp:Label></td>


                </tr>




        <tr>
        <td colspan="2" align="center">
            <br />
            <asp:CheckBox ID="CheckBox1" runat="server" Text="I accept terms and conditions"
/>
 
            <br />
            <asp:Button ID="submitBtn" runat="server" Text="Submit" OnClick="submitBtn_Click"
/>
            <br />
            <asp:Label ID="Label2" runat="server"></asp:Label><br>
            <asp:Label ID="Label1" runat="server"></asp:Label></br>
            </td>
        </tr>

        </table>
        </td>
        </tr>

    </table>

    </td>
```

```html
        </tr>

        <tr>
        <td style="background-image:url(images/075.jpg); color:#FFF8C6; font-weight:bold"
align="center" colspan="2">

             </td>
        </tr>

        </table>

</td></tr>
    </table>
    </div>
    </form>
</body>
</html>
```

@Register.aspx.cs:

Description: This is the c# code for online registering.

```csharp
using System;
using System.Text;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
using System.Data;
using System.Data.SqlClient;
using HospitalSystem.App_Code;
//using System.Data;


namespace HospitalSystem
{

    public partial class Register : System.Web.UI.Page
    {
        Class1 c = new Class1();
        protected void Page_Load(object sender, EventArgs e)
        {

            if(!IsPostBack)
            {
                autoid();



            }
            // unit test
            /*
            Registrationunittest reg = new Registrationunittest();
```

```csharp
            c.cmd.CommandText = "select * from Patient1";
            c.ds.Clear();
            c.adp.Fill(c.ds, "vt");
            c.dr = c.ds.Tables["vt"].NewRow();
            //c.dr["username"] = usernameTextBox.Text.Trim();
            c.dr["pswd"] = reg.patientpswd;
            c.dr["LastName"] = reg.lname;
            c.dr["FirstName"] = reg.fname;
            c.dr["phoneno"] = reg.phone;
            c.dr["EmailID"] = reg.emailid;
            c.dr["Age"] = reg.age;
            c.dr["PatientID"] = reg.id;
            c.dr["DOB"] = reg.dob;
            //c.dr["emailid"] = emailTxt.Text.Trim();
            //c.dr["sq"] = spList.SelectedValue.Trim();
            // c.dr["ans"] = yourAnsTxt.Text;
            c.dr["Gender"] = reg.gender;
            //c.dr["joiningdate"] = DateTime.Now;
            c.dr["Addrs"] = reg.address;

            */
            //unit test over
            c.ds.Tables["vt"].Rows.Add(c.dr);

            c.scb.DataAdapter = c.adp;
            c.adp.Update(c.ds.Tables["vt"]);


        }
        public string RandomString()
        {
            StringBuilder builder = new StringBuilder();
            Random random = new Random();
            char ch;
            for (int i = 0; i < 10; i++)
            {
                ch = Convert.ToChar(Convert.ToInt32(Math.Floor(26 * random.NextDouble() +
65)));

                builder.Append(ch);
            }
            return builder.ToString();
        }
        public string autoid()
        {
            string pid = "pt";
            string ptid;
            int n;
            // c.cmd2.CommandText = "select max(Convert(int,substring(" + column + "," +
Convert.ToInt32(text.Length + 1) + ",len(" + column + ")))) from " + table;
            //c.cmd2.CommandText = "Select max(ID) from Patient";
            c.cmd.CommandText = "Select max(ID) from Patient1";

            c.con.Open();
            if (c.cmd.ExecuteScalar() == DBNull.Value)
            {
                n = 1;
            }
            else
```

```csharp
        {
            n = Convert.ToInt32(c.cmd.ExecuteScalar());
            n = n + 1;
        }

        c.con.Close();

        ptid = pid + n.ToString();
        return ptid;
    }
    protected void submitBtn_Click(object sender, EventArgs e)
    {
        //SqlCommand cmd1 = new SqlCommand();
        if (CheckBox1.Checked == true)
        {

            try
            {
                // int k=0;
                 string str = autoid();
                 string str1 = RandomString();
                 SqlCommand cmd1 = new SqlCommand();
                // cmd1.CommandText = "Select EmailID from Patient1 where EmailID= '"+
emailTxt +"' ";

                c.cmd.CommandText = "select * from Patient1";
                c.ds.Clear();
                c.adp.Fill(c.ds, "vt");
                c.dr = c.ds.Tables["vt"].NewRow();
                //c.dr["username"] = usernameTextBox.Text.Trim();
                c.dr["pswd"] = str1;
                c.dr["LastName"] = TextBox2.Text.Trim();
                c.dr["FirstName"] = nameTxt.Text.Trim();
                c.dr["phoneno"] = mobileTxt.Text.Trim();
                c.dr["EmailID"] = emailTxt.Text.Trim();
                c.dr["Age"] = Convert.ToInt32(TextBox3.Text.Trim());
                c.dr["PatientID"] = str;
                c.dr["DOB"] =Convert.ToDateTime(TextBox4.Text.Trim());
                //c.dr["emailid"] = emailTxt.Text.Trim();
                //c.dr["sq"] = spList.SelectedValue.Trim();
                // c.dr["ans"] = yourAnsTxt.Text;
                c.dr["Gender"] = RadioButtonList1.SelectedItem.ToString();
                //c.dr["joiningdate"] = DateTime.Now;
                c.dr["Addrs"] = addressTxt.Text.Trim();


                /*if (FileUpload1.HasFile)
                {
                    string p = "~/image/" + FileUpload1.FileName;
                    FileUpload1.SaveAs(Server.MapPath(p));
                    c.dr["pic"] = p;

                }*/
                c.ds.Tables["vt"].Rows.Add(c.dr);

                c.scb.DataAdapter = c.adp;
                c.adp.Update(c.ds.Tables["vt"]);
                Label3.Text = str;
```

```csharp
                Label4.Text = str1;
                Label1.Text = "Registration Successful";
            }

            catch (Exception m)
            {
                Label1.Text = m.ToString();

            }


        }

        else
        {
            Label1.Visible = true;
            Label1.Text = "please accept terms and conditions";
        }

    }
    protected void Button1_Click(object sender, EventArgs e)
    {
        Response.Redirect("Home.aspx");

    }

/*  protected void ImageButton1_Click(object sender, ImageClickEventArgs e)
    {

            TextBox4.Visible = true;
            Label5.Visible = true;
            Label6.Visible = true;
            DropDownList1.Visible = true;
            DropDownList2.Visible = true;
            Calendar1.Visible = true;



    }

    protected void DropDownList1_SelectedIndexChanged(object sender, EventArgs e)
    {
        int yr = Convert.ToInt32(DropDownList1.SelectedValue);
        int mnth = Convert.ToInt32(DropDownList2.SelectedValue);
        Calendar1.VisibleDate = new DateTime(yr, mnth, 1);
        Calendar1.SelectedDate= new DateTime(yr, mnth, 1);

    }

    protected void DropDownList2_SelectedIndexChanged(object sender, EventArgs e)
    {
        int yr = Convert.ToInt32(DropDownList1.SelectedValue);
        int mnth = Convert.ToInt32(DropDownList2.SelectedValue);
        Calendar1.VisibleDate = new DateTime(yr, mnth, 1);
        Calendar1.SelectedDate = new DateTime(yr, mnth, 1);
    }
```

```
        protected void Calendar1_SelectionChanged(object sender, EventArgs e)
        {
            TextBox4.Text = Calendar1.SelectedDate.ToShortDateString();
            Label5.Visible = false;
            Label6.Visible = false;
            DropDownList1.Visible = false;
            DropDownList2.Visible = false;
        }*/
    }
}
```

@Docapp.aspx:

Description: This is the html page where the doctors can their view apartments.

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="Docapp.aspx.cs"
Inherits="HospitalSystem.Docapp" %>

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
</head>
<body>
    <form id="form1" runat="server">
        <div>
            <asp:Button ID="Button2" runat="server" Text="Home" OnClick="Button2_Click"
/><asp:Button ID="Button3" runat="server" Text="MyPortal" OnClick="Button3_Click" />
            <asp:GridView ID="GridView1" runat="server" AllowPaging="True"
AutoGenerateColumns="False" DataKeyNames="ID"
                OnPageIndexChanging="GridView1_PageIndexChanging"
OnRowDeleting="GridView1_RowDeleting" OnRowCommand="GridView1_RowCommand" pagesize="3"
Width="438px" >
                <columns>
                    <asp:BoundField DataField="ID" HeaderText="ID"/>
                    <asp:BoundField DataField="DocID" HeaderText="Doctor"/>
                    <asp:BoundField DataField="PID" HeaderText="PatientID"/>
                    <asp:BoundField DataField="starttime" HeaderText="time"/>
                    <asp:CommandField ShowDeleteButton="True" ButtonType="Button" />

                    <asp:TemplateField HeaderText="ApppointmentCompleted">
                        <ItemTemplate>
                            <asp:CheckBox ID="CheckBox1" runat="server" />
                        </ItemTemplate>
                    </asp:TemplateField>

                </columns>
            </asp:GridView>
            <asp:Button ID="Button1" runat="server" Text="Mark as Completed"
OnClick="Button1_Click" />

            <asp:Label ID="Label1" runat="server" Text=""></asp:Label>
        </div>
    </form>
</body>
```

```html
</html>
```

@Docapp.aspx.cs:

Description: This is the c# code for Appointment view.

```csharp
using System;
using System.Collections.Generic;
using System.Data;
using System.Data.SqlClient;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
using HospitalSystem.App_Code;
namespace HospitalSystem
{
    public partial class Docapp : System.Web.UI.Page
    {
        Class1 c = new Class1();
        protected void Page_Load(object sender, EventArgs e)
        {
            if (!IsPostBack)
            {
                fillDataGrid();
            }

        }
        public void fillDataGrid()
        {
            SqlCommand cmd = new SqlCommand("Select * from Appointments where IsDeleted =
0 and IsAccepted = 1 and Istreated = 0 and DocID='" + Session["user"].ToString() + "'",
c.con);


            //SqlDataReader rdr = cmd.ExecuteReader();
            //GridView1.DataSource = rdr;
            SqlDataAdapter adp1 = new SqlDataAdapter();
            adp1.SelectCommand = cmd;

            using (DataTable dt = new DataTable())
            {
                adp1.Fill(dt);
                GridView1.DataSource = dt;
                GridView1.DataBind();
            }
            //adapter = new SqlDataAdapter(cmd);
            //GridView1.DataBind();
            c.con.Close();
        }

        protected void GridView1_PageIndexChanging(object sender, GridViewPageEventArgs
e)
        {
            GridView1.PageIndex = e.NewPageIndex;
            fillDataGrid();
```

```csharp
        }

        protected void GridView1_RowDeleting(object sender, GridViewDeleteEventArgs e)
        {
            // int index = Convert.ToInt32(e.RowIndex);
            //SqlCommand cmd2 = new SqlCommand("Update table Appointments set IsDeleted=1
where e.  ");
            //c.con.Close();
        }

        protected void GridView1_RowCommand(object sender, GridViewCommandEventArgs e)
        {
            if (e.CommandName == "Delete")
            {
                int rowno = Convert.ToInt32(e.CommandArgument);

                try
                {
                    string ID = GridView1.Rows[rowno].Cells[0].Text.ToString();
                    //c.con = new SqlConnection(myconnectionString);
                    c.cmd = new SqlCommand("Update Appointments set IsDeleted = 1 where
ID='" + ID + "'", c.con);
                    c.con.Open();
                    c.cmd.ExecuteNonQuery();
                    c.con.Close();
                    Label1.Text = "Deleted Successfully.";
                    fillDataGrid();
                }
                catch (Exception ex)
                {

                    Label1.Text = ex.Message.ToString();
                    fillDataGrid();
                }
            }

        }

        protected void Button1_Click(object sender, EventArgs e)
        {
            foreach (GridViewRow row in GridView1.Rows)
            {

                CheckBox status = (row.Cells[3].FindControl("CheckBox1") as CheckBox);
                //string ID = GridView1.Rows[rowno].Cells[0].Text.ToString();
                int ID = Convert.ToInt32(row.Cells[0].Text.ToString());
                if (status.Checked)
                {
                    updaterow(ID, 1);
                }
                else
                {
                    updaterow(ID, 0);

                }
            }
            Label1.Text = "Appointments have Been completed Successfully";
```

```csharp
        }

        private void updaterow(int applicationid, int approval)
        {
            //String mycon = "Data Source=HP-PC\\SQLEXPRESS; Initial
Catalog=LeaveApplication; Integrated Security=True";
            SqlCommand cmd1 = new SqlCommand("Update Appointments set IsTreated='" +
approval + "'  where ID=" + applicationid, c.con);
            //c.con = new SqlConnection(c.c);
            //con.Open();
            //SqlCommand cmd = new SqlCommand();
            //cmd1.CommandText = updatedata;
            //cmd.Connection = con;
            c.con.Open();
            cmd1.ExecuteNonQuery();
            c.con.Close();
            Label1.Text = "Approved Successfully.";
            fillDataGrid();
        }

        protected void Button2_Click(object sender, EventArgs e)
        {
            Response.Redirect("HomePageDoc.aspx");
        }

        protected void Button3_Click(object sender, EventArgs e)
        {
            Response.Redirect("WelcomeDoctor.aspx");
        }


        /*protected void GridView1_RowDataBound(object sender, GridViewRowEventArgs e)
        {
            if (e.Row.RowType == DataControlRowType.DataRow)
            {
                string item = e.Row.Cells[0].Text;
                foreach (Button button in e.Row.Cells[2].Controls.OfType<Button>())
                {
                    if (button.CommandName == "Delete")
                    {
                        button.Attributes["onclick"] = "if(!confirm('Do you want to
delete " + item + "?')){ return false; };";
                    }
                }
            }
        }/*




        /*protected void GridView1_SelectedIndexChanged(object sender, EventArgs e)
        {

        }*/
    }
}
```

@WelcomeAdmin.aspx:

Description: This is page is displayed when the Admin logins into the page.

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WelcomeAdmin.aspx.cs"
Inherits="HospitalSystem.WelcomeAdmin" %>

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
</head>
<body>
    <form id="form1" runat="server">
        <div>
                    <table align="centre" runat="server">
                <tr>
    <td>
        <asp:Button ID="Button1" runat="server" Text="Add doctor"
OnClick="Button1_Click" /></td>
                        <td>
        <asp:Button ID="Button2" runat="server" Text="Add Employee"
OnClick="Button2_Click" /></td>
                    <td>

                    </td>
                    <td>
                        <asp:Button ID="Button3" runat="server" Text="Home"
OnClick="Button3_Click" />
                        </td>
                    <td>
                        <asp:Button ID="Button4" runat="server" Text="Logout"
OnClick="Button4_Click" />
                        </td>
                    <td>Hello
                        <asp:Label ID="Label1" runat="server" Text=""></asp:Label>
                    </td>
                </tr>

                <asp:GridView ID="GridView1" runat="server"
Visible="false"></asp:GridView>
            </table>
        </div>
    </form>
</body>
</html>
```

@WelcomeAdmin.aspx.cs:

```csharp
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;

namespace HospitalSystem
{
    public partial class WelcomeAdmin : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {

        }

        protected void Button1_Click(object sender, EventArgs e)
        {
            Response.Redirect("AddDoc.aspx");
        }

        protected void Button2_Click(object sender, EventArgs e)
        {
            Response.Redirect("AddEmp.aspx");
        }

        protected void Button3_Click(object sender, EventArgs e)
        {
            Response.Redirect("home.aspx");
        }

        protected void Button4_Click(object sender, EventArgs e)
        {

        }
    }
}
```

@WelcomeDoctor.aspx:

Description: This is page is displayed when the Doctor logins into the page and session is maintained in this page.

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WelcomeDoctor.aspx.cs"
Inherits="HospitalSystem.WelcomeDoctor" %>
<link href="//maxcdn.bootstrapcdn.com/bootstrap/4.1.1/css/bootstrap.min.css"
rel="stylesheet" id="bootstrap-css">
<script src="//maxcdn.bootstrapcdn.com/bootstrap/4.1.1/js/bootstrap.min.js"></script>
<script src="//cdnjs.cloudflare.com/ajax/libs/jquery/3.2.1/jquery.min.js"></script>
<!DOCTYPE html>

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

```html
<head runat="server">
    <title></title>
    <head>
<meta name="viewport" content="width=device-width, initial-scale=1">
<style>

    .mybtn
{  background-color: lightblue;
  border: none;
  color: white;
  padding: 15px 32px;
  text-align: center;
  text-decoration: none;
  display: inline-block;
  font-size: 16px;
  margin: 4px 2px;
  cursor: pointer;


  //some more styles
}
body {
  margin: 0;
  font-family: Arial, Helvetica,sans-serif;
}
.topnav {
  overflow: hidden;
  background-color: lightblue;
}
.topnav tr {
  float: left;
  color: black;
  text-align: center;
  padding: 14px 16px;
  text-decoration: none;
  font-size: 17px;
}
.topnav td:hover {
  background-color: #ddd;
  color: black;
}

.topnav td.active {
  background-color: #4CAF50;
  color: black;
}
</style>
</head>
</head>
<body background="bg6.jpg">
    <form id="form1" runat="server">
        <div>
            <table class="topnav" align="centre" runat="server">

                <tr>
    <td>
        <asp:Button ID="Button1" class="mybtn" runat="server" Text="View appointments"
OnClick="Button1_Click1" style="height: 26px" /></td>
```

```html
                    <td >
                        <asp:Button class="mybtn" ID="Button2" runat="server" Text="Apply
For leave" OnClick="Button2_Click" Height="54px" Width="155px" />
                    </td>
                    <td >
</td>
                    <td>
                        <asp:Button  class="mybtn" ID="Button3" runat="server"
Text="Home" OnClick="Button3_Click" />
                    </td>
                     <td>
                        <asp:Button class="mybtn" ID="Button4" runat="server"
Text="Logout" OnClick="Button4_Click" />
                    </td>
                    <td>
                        <asp:Button class="mybtn" ID="Button5" runat="server"
Text="Change Password" OnClick="Button5_Click" />
                    </td>
                    <td>Hello
                        <asp:Label ID="Label1" runat="server" Text=""></asp:Label>
                    </td>
                </tr>


            </table>
 </div>
    </form>
</body>
</html>
```

@WelcomeDoctor.aspx.cs:

Description: This is the c# for Doctor portal.

```csharp
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
using HospitalSystem.App_Code;

namespace HospitalSystem
{

    public partial class WelcomeDoctor : System.Web.UI.Page
    {
        Class1 c = new Class1();
        protected void Page_Load(object sender, EventArgs e)
        {
            if (!IsPostBack)
            {
                if (Session["user"] == null)
                {
                    Response.Redirect("Loginpage2.aspx");
                }
                else
                {
```

```csharp
                c.cmd.CommandText = "Select * from Doctor1 where DoctorID='" +
Session["user"].ToString() + "'";
                c.ds.Clear();
                c.adp.Fill(c.ds, "vt");
                Label1.Text = c.ds.Tables["vt"].Rows[0]["DoctorID"].ToString();


            }
        }
    }



    protected void Button4_Click(object sender, EventArgs e)
    {
        Session.Abandon();
        Response.Redirect("Loginpage2.aspx");
    }

    protected void Button1_Click1(object sender, EventArgs e)
    {
        Response.Redirect("Docapp.aspx");


    }

    protected void Button2_Click(object sender, EventArgs e)
    {

        Response.Redirect("WebForm2.aspx");

    }

    protected void Button3_Click(object sender, EventArgs e)
    {
        Response.Redirect("HomePageDoc.aspx");
    }

    protected void Button5_Click(object sender, EventArgs e)
    {
        Session.Abandon();
        Response.Redirect("Loginpage2.aspx");
    }
  }
}
```

WelcomeEmp.aspx:

Description: This is page is displayed when the employee logins into the page and session is maintained in this page.

```aspx
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WelcomeEmp.aspx.cs"
Inherits="HospitalSystem.WelcomeEmp" %>

<!DOCTYPE html>

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

```
<body>
    <form id="form1" runat="server">
        <div>
            <table align="centre" runat="server">
                <tr>
     <td>
         <asp:Button ID="Button1" runat="server" Text="View appointments"
OnClick="Button1_Click" /></td>
                    <td>

                    </td>
                    <td>
                        <asp:Button ID="Button3" runat="server" Text="Home"
OnClick="Button3_Click" />
                        </td>
                     <td>
                        <asp:Button ID="Button4" runat="server" Text="Logout"
OnClick="Button4_Click" />
                        </td>
                        <td>
                        <asp:Button ID="Button5" runat="server" Text="Change Password" />
                        </td>
                    <td>Hello
                        <asp:Label ID="Label1" runat="server" Text=""></asp:Label>
                    </td>
                </tr>

            </table>
        </div>
    </form>
</body>
</html>
```

WelcomeEmp.aspx.cs:

Description: This is the c# code for the employee portal

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
using HospitalSystem.App_Code;

namespace HospitalSystem
{
    public partial class WelcomeEmp : System.Web.UI.Page
    {
        Class1 c = new Class1();
        protected void Page_Load(object sender, EventArgs e)
        {
            if (!IsPostBack)
            {
                if (Session["user"] == null)
                {
                    Response.Redirect("Loginpage2.aspx");
```

```
                }
                else
                {
                    c.cmd.CommandText = "Select * from Persons where EmployeeID='" +
Session["user"].ToString() + "'";
                    c.ds.Clear();
                    c.adp.Fill(c.ds, "vt");
                    Label1.Text = c.ds.Tables["vt"].Rows[0]["EmployeeID"].ToString();


                }
            }
        }

        protected void Button1_Click(object sender, EventArgs e)
        {
            Response.Redirect("appointmentrequests.aspx");
        }

        protected void Button4_Click(object sender, EventArgs e)
        {
            Session.Abandon();
            Response.Redirect("Loginpage2.aspx");

        }

        protected void Button3_Click(object sender, EventArgs e)
        {
            Response.Redirect("HomeP.aspx");
        }
    }
}
```

@Request for appointment.aspx:

Description: This is the html page where the patient can request for an appointment.

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="Request for
appointment.aspx.cs" Inherits="HospitalSystem.Request_for_appointment" %>

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
    <style type="text/css">
        .auto-style1 {
            height: 23px;
        }
    </style>
</head>
<body>
    <form id="form1" runat="server">
        <div>

            <table align="center" width="100%">
        <tr>
```

```
            <td align="center">
            <asp:Button ID="Button1" runat="server" Text="Home" OnClick="Button1_Click"
/>
                </td>
            <td>
                <asp:Button ID="Button3" runat="server" Text="My Portal"
OnClick="Button3_Click" /></td>
            </tr>
    </table>



                    <table style="width: 380px"  >

                     <tr>
                     <td  colspan="2" style=" color:#7D0541; font-weight:bold; font-
style:italic; font-size:larger;">Request For Appointment</td>
                     </tr>

                        <tr><td> </td>
                     </tr>

                     <tr style="background-color:#CEE3F6">
                     <td >Speciality</td>
                     <td>
                         <asp:DropDownList ID="DropDownList1" runat="server"
OnSelectedIndexChanged="DropDownList1_SelectedIndexChanged" AutoPostBack="True">
                         <asp:ListItem>--Select--</asp:ListItem>
                         <asp:ListItem>Cancer</asp:ListItem>
                         <asp:ListItem>Pediatrician</asp:ListItem>
                         <asp:ListItem>Neuro</asp:ListItem>
                         <asp:ListItem>ENT</asp:ListItem>
                     </asp:DropDownList></td>




                     </tr>

                     <tr style="background-color:#CEE3F6">
                     <td >Doctor</td>
                     <td>
                         <asp:DropDownList ID="DropDownList2" runat="server">
                         </asp:DropDownList>
                         </td>
                     </tr>

                      <tr style="background-color:#CEE3F6"><td>
                          Date</td>
                     <td>
                         <asp:TextBox ID="TextBox1" runat="server"></asp:TextBox>
                          </td>
                     </tr>

                      <tr style="background-color:#CEE3F6"><td>
                          Time</td>
                     <td>
```

```
                    <asp:TextBox ID="TextBox2" runat="server"></asp:TextBox>
                      </td>
                  </tr>


                  <tr>
        <td >Reason</td>
        <td><asp:TextBox ID="RsnTxt" runat="server" TextMode="MultiLine" ></asp:TextBox></td>
        </tr>


                    <tr>
                  <td class="auto-style1" ></td>
                          <td class="auto-style1">
                              <asp:Button ID="Button2" runat="server"
OnClick="Button2_Click" Text="Submit" />
                          </td>

                  </tr>
                      <tr>
                  <td > </td>
                          <td><asp:Label ID="Label3"
runat="server"></asp:Label></td>

                  </tr>

        <tr>
        <td colspan="2 >
            <br />

 
            <br />

            <br />
            <asp:Label ID="Label1" runat="server"></asp:Label>
            </td>
        </tr>

        </table>


    </table>


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

@Request for appointment.aspx.cs:

Description: This is the c# code where the patient can request for an appointment.

```
using System;
using System.Collections.Generic;
using System.Linq;
```

```csharp
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
using HospitalSystem.App_Code;
using System.Data;
using System.Data.SqlClient;

namespace HospitalSystem
{
    public partial class Request_for_appointment : System.Web.UI.Page
    {
        Class1 c = new Class1();
        protected void Page_Load(object sender, EventArgs e)
        {

            BindDropDownList();
            //unit test

            rqstunittest req = new rqstunittest();
            c.cmd.CommandText = "select * from Appointments";
            c.ds.Clear();
            c.adp.Fill(c.ds, "vt");
            c.dr = c.ds.Tables["vt"].NewRow();
            c.dr["Reason"] = req.reason;
            c.dr["PID"] = req.ptid;
            string Date1 = Convert.ToString(req.Date1);
            string Time1 = req.Time1;
            DateTime result = DateTime.Parse(Date1 + " " + Time1);
            c.dr["starttime"] = result;
            c.dr["DocID"] = req.docid;
            c.ds.Tables["vt"].Rows.Add(c.dr);
            c.scb.DataAdapter = c.adp;
            c.adp.Update(c.ds.Tables["vt"]);

            //unit test over


        }

        private void BindDropDownList()
        {

            DataTable dt = new DataTable();
        }

        protected void Button2_Click(object sender, EventArgs e)
        {
            try
            {
                //string user = Session["user"].ToString();
                //string str = autoid();
                //string str1 = RandomString();
                c.cmd.CommandText = "select * from Appointments";
                c.ds.Clear();
                c.adp.Fill(c.ds, "vt");
                c.dr = c.ds.Tables["vt"].NewRow();
                //c.dr["username"] = usernameTextBox.Text.Trim();
                // c.dr["Doc_ID"] = str1;
```

```csharp
            //c.dr["PID"] = user;
            c.dr["Reason"] = RsnTxt.Text.Trim();
            c.dr["PID"] = Session["user"].ToString();
            string Date1 = TextBox1.Text.Trim();
            string Time1 = TextBox2.Text.Trim();
            DateTime result = DateTime.Parse(Date1 + " " + Time1);
            c.dr["starttime"] = result;
            //c.dr["Time"] = Convert.ToInt32(TextBox3.Text.Trim());
            c.dr["DocID"] = DropDownList2.SelectedValue;
            //c.dr["emailid"] = emailTxt.Text.Trim();
            //c.dr["speciality"] = spList.SelectedValue;
            //c.dr["experience"] = TextBox4.Text.Trim();
            //c.dr["ans"] = yourAnsTxt.Text;
            //c.dr["Gender"] = RadioButtonList1.SelectedItem.ToString();
            //c.dr["joiningdate"] = DateTime.Now;
            //c.dr["Addrs"] = addressTxt.Text.Trim();


            /*if (FileUpload1.HasFile)
            {
                string p = "~/image/" + FileUpload1.FileName;
                FileUpload1.SaveAs(Server.MapPath(p));
                c.dr["pic"] = p;

            }*/
            c.ds.Tables["vt"].Rows.Add(c.dr);

            c.scb.DataAdapter = c.adp;
            c.adp.Update(c.ds.Tables["vt"]);
            //Label2.Text = str;
            //Label3.Text = str1;
            Label1.Text = "Request sent.Plz wait for response";
        }

        catch (Exception m)
        {
            Label1.Text = m.ToString();

        }
    }

    protected void DropDownList1_SelectedIndexChanged(object sender, EventArgs e)
    {
        string com = "select FirstName,DoctorID from Doctor1 where speciality = '" +
DropDownList1.SelectedValue + "'";
        SqlDataAdapter adpt = new SqlDataAdapter(com, c.con);

        c.ds.Clear();
        DataSet dt = new DataSet();
        adpt.Fill(dt);
        DropDownList2.DataSource = dt;
        DropDownList2.DataBind();
        DropDownList2.DataTextField = "FirstName";
        DropDownList2.DataValueField = "DoctorID";
        DropDownList2.DataBind();
    }

    protected void Button1_Click(object sender, EventArgs e)
```

```
            {
                Response.Redirect("HomePage.aspx");
            }

            protected void Button3_Click(object sender, EventArgs e)
            {
                Response.Redirect("WelcomePatient.aspx");
            }
        }
}
```

@appointmentrequests.aspx:

Description: This is the grid view code where the front desk user and doctors can view appointments.

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="appointmentrequests.aspx.cs"
Inherits="HospitalSystem.appointmentrequests" %>

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
</head>
<body>
    <form id="form1" runat="server">
        <div>
            <asp:Button ID="Button2" runat="server" Text="Home" /><asp:Button
ID="Button3" runat="server" Text="MyPortal" />
            <asp:GridView ID="GridView1" runat="server" AllowPaging="True"
AutoGenerateColumns="False" DataKeyNames="ID"
                OnPageIndexChanging="GridView1_PageIndexChanging"
OnRowDeleting="GridView1_RowDeleting" OnRowCommand="GridView1_RowCommand" pagesize="3"
Width="438px" >
                <columns>
                    <asp:BoundField DataField="ID" HeaderText="ID"/>
                    <asp:BoundField DataField="DocID" HeaderText="Doctor"/>
                    <asp:BoundField DataField="PID" HeaderText="PatientID"/>
                    <asp:BoundField DataField="starttime" HeaderText="time"/>
                    <asp:CommandField ShowDeleteButton="True" ButtonType="Button"
HeaderText="Delete"/>



                    <asp:TemplateField HeaderText="Approve">

                        <ItemTemplate>

                            <asp:CheckBox ID="CheckBox1" runat="server" />

                        </ItemTemplate>
```

```
                            </asp:TemplateField>




                        </columns>
                </asp:GridView>
                <asp:Button ID="Button1" runat="server" Text="Approve"
OnClick="Button1_Click" />
                <asp:Label ID="Label1" runat="server" Text=""></asp:Label>
            </div>
        </form>
    </body>
</html>
```

@appointmentrequests.aspx.cs:

Description: This is the c# code for viewing the appoinements.

```
using System;
using System.Collections.Generic;
using System.Data;
using System.Data.SqlClient;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
using HospitalSystem.App_Code;

namespace HospitalSystem
{
    public partial class appointmentrequests : System.Web.UI.Page
    {
        Class1 c = new Class1();
        protected void Page_Load(object sender, EventArgs e)
        {
            if(!IsPostBack)
            {
                fillDataGrid();
            }

        }
        public void fillDataGrid()
        {
            SqlCommand cmd = new SqlCommand("Select * from Appointments where IsDeleted =
0 and IsAccepted = 0 and Istreated = 0", c.con);


            //SqlDataReader rdr = cmd.ExecuteReader();
            //GridView1.DataSource = rdr;
            SqlDataAdapter adp1 = new SqlDataAdapter();
            adp1.SelectCommand = cmd;

            using (DataTable dt = new DataTable())
```

```csharp
        {
            adp1.Fill(dt);
            GridView1.DataSource = dt;
            GridView1.DataBind();
        }
        //adapter = new SqlDataAdapter(cmd);
        //GridView1.DataBind();
        c.con.Close();
    }

    protected void GridView1_PageIndexChanging(object sender, GridViewPageEventArgs
e)
    {
        GridView1.PageIndex = e.NewPageIndex;
        fillDataGrid();

    }

    protected void GridView1_RowDeleting(object sender, GridViewDeleteEventArgs e)
    {
      // int index = Convert.ToInt32(e.RowIndex);
       //SqlCommand cmd2 = new SqlCommand("Update table Appointments set IsDeleted=1
where e.   ");
        //c.con.Close();
    }

    protected void GridView1_RowCommand(object sender, GridViewCommandEventArgs e)
    {
        if (e.CommandName == "Delete")
        {
            int rowno = Convert.ToInt32(e.CommandArgument);

            try
            {
                string ID = GridView1.Rows[rowno].Cells[0].Text.ToString();
                //c.con = new SqlConnection(myconnectionString);
                c.cmd = new SqlCommand("Update Appointments set IsDeleted = 1 where
ID='" + ID + "'", c.con);
                c.con.Open();
                c.cmd.ExecuteNonQuery();
                c.con.Close();
                Label1.Text = "Deleted Successfully.";
                fillDataGrid();
            }
            catch (Exception ex)
            {

                Label1.Text = ex.Message.ToString();
                fillDataGrid();
            }
        }

    }

    protected void Button1_Click(object sender, EventArgs e)
    {

       // int rowno = Convert.ToInt32(e.CommandArgument);
```

```csharp
            //GridViewCommandEventArgs e = new GridViewCommandEventArgs();
            foreach (GridViewRow row in GridView1.Rows)
            {

                CheckBox status = (row.Cells[3].FindControl("CheckBox1") as CheckBox);
                //string ID = GridView1.Rows[rowno].Cells[0].Text.ToString();
                int ID = Convert.ToInt32(row.Cells[0].Text.ToString());
                if (status.Checked)
                {
                    updaterow(ID, 1);
                }
                else
                {
                    updaterow(ID, 0);

                }



            }
            Label1.Text = "Applications Has Been Approved Successfully";
        }


        private void updaterow(int applicationid, int approval)
        {
            //String mycon = "Data Source=HP-PC\\SQLEXPRESS; Initial
Catalog=LeaveApplication; Integrated Security=True";
            SqlCommand cmd1 = new SqlCommand("Update Appointments set IsAccepted='" +
approval + "' , ApprovedBy='"+ Session["User"] + "' where ID=" + applicationid,c.con);
            //c.con = new SqlConnection(c.c);
            //con.Open();
            //SqlCommand cmd = new SqlCommand();
            //cmd1.CommandText = updatedata;
            //cmd.Connection = con;
            c.con.Open();
            cmd1.ExecuteNonQuery();
            c.con.Close();
            Label1.Text = "Approved Successfully.";
            fillDataGrid();
        }



        /*protected void GridView1_RowDataBound(object sender, GridViewRowEventArgs e)
        {
            if (e.Row.RowType == DataControlRowType.DataRow)
            {
                string item = e.Row.Cells[0].Text;
                foreach (Button button in e.Row.Cells[2].Controls.OfType<Button>())
                {
                    if (button.CommandName == "Delete")
                    {
                        button.Attributes["onclick"] = "if(!confirm('Do you want to
delete " + item + "?')){ return false; };";
                    }
                }
            }
```

```
        }/*



        /*protected void GridView1_SelectedIndexChanged(object sender, EventArgs e)
        {

        }*/
    }
}
```

@Class.cs:

Description: This is the database collection class.

```csharp
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Data;
using System.Data.SqlClient;

namespace HospitalSystem.App_Code
{
    public class Class1
    {
        public DataSet ds = new DataSet();
        public SqlDataAdapter adp = new SqlDataAdapter();
        public DataRow dr;
        public SqlCommandBuilder scb = new SqlCommandBuilder();
        public SqlDataReader drr;
        public SqlCommand cmd = new SqlCommand();
        public SqlConnection con = new SqlConnection();
        public Class1()
        {
            adp.SelectCommand = cmd;
            cmd.Connection = con;
           // con.ConnectionString = @"Data Source=LAPTOP-
PE1NJBJG\SQLEXPRESS;Database=hospital management system;User ID=LAPTOP-PE1NJBJG\MANOJ
REDDY";
            con.ConnectionString = @"Data Source=LAPTOP-
PE1NJBJG\SQLEXPRESS;Database=hospital management system;User ID=se;Password=Pass@123";
        }
        /* public string autoid(string id, string q)
         {
            cmd.CommandText = q;
            ds.Clear();
            ad.Fill(ds, "vt");
            return id + Convert.ToString(ds.Tables["vt"].Rows.Count + 1);
        }
         */

    }
}
```