## @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 >
  >
<form id="form1" runat="server">
    <div>
      <style type="text/css">
    .auto-style1 {
      width: 194px;
    .auto-style2 {
      width: 242px;
  </style>
     <div class="row justify-content-center">
          <div class="col-md-8">
            <div class="card">
              <div class="card-header" fon>Login</div>
          >
       
      Login
```

```
<asp:TextBox ID="loginTextBox" runat="server"
OnTextChanged="loginTextBox_TextChanged"></asp:TextBox>
     >
      
     Password
      <asp:TextBox ID="passTextBox" runat="server"
OnTextChanged="passTextBox_TextChanged"></asp:TextBox>
     >
      
      
      
    
     <asp:Button class="btn btn-primary btn-lg btn-block login-button" ID="Button1" runat="server"
OnClick="Button1 Click" Text="Login" Width="150px" />
     <asp:Button class="btn btn-primary btn-lg btn-block login-button" ID="Button2" runat="server"
OnClick="Button2_Click" Text="Change password" Width="180px" />
     <asp:Button class="btn btn-primary btn-lg btn-block login-button" ID="Button3" runat="server"
Text="Home" OnClick="Button3_Click" Width="98px" />
     >
      
     <asp:Label ID="Label1" runat="server"></asp:Label>
      <asp:Label ID="Label2" runat="server"></asp:Label>
      
   </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
    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");
       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)
           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";
    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");
  }
}
```

## @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"</p>
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>
     <asp:Button ID="Button1" runat="server" Text="Home" OnClick="Button1_Click" />
     <asp:Button ID="Button3" runat="server" Text="My Portal" OnClick="Button3 Click" />
     Request
For Appointment
          
         Speciality
         >
           <asp:DropDownList ID="DropDownList1" runat="server"</pre>
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>
        Doctor
           <asp:DropDownList ID="DropDownList2" runat="server">
           </asp:DropDownList>
```

```
Date
       >
        <asp:TextBox ID="TextBox1" runat="server"></asp:TextBox>
       Time
       <asp:TextBox ID="TextBox2" runat="server"></asp:TextBox>
         >
 Reason
 <asp:TextBox ID="RsnTxt" runat="server" TextMode="MultiLine" ></asp:TextBox>
        >
       <asp:Button ID="Button2" runat="server" OnClick="Button2_Click" Text="Submit" />
          
          <asp:Label ID="Label3" runat="server"></asp:Label>
      <br />
 
  <br />
  <asp:Label ID="Label1" runat="server"></asp:Label>
  </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;
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;
         //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");
  }
@Docapp.aspx:
<@ Page Language="C#" AutoEventWireup="true" CodeBehind="Docapp.aspx.cs"</p>
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">
      <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"</p>
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>
@Docapp.aspx.cs:
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();
}
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";
    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");
```

## @appointmentrequests.aspx:

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

```
<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())
         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)
    //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)
      SqlCommand cmd1 = new SqlCommand("Update Appointments set IsAccepted="" + approval + "",
      ApprovedBy=""+ Session["User"] + "" where ID=" + applicationid,c.con);
     c.con.Open();
    cmd1.ExecuteNonQuery();
    c.con.Close();
    Label1.Text = "Approved Successfully.";
    fillDataGrid();
  }
}
```