**Practice Project**

**ASP.NET WebForms**

**Source code:**

**Class1.cs:**

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace School

{

public class Class1

{

public int Room\_no { get; set; }

public int class\_strength { get; set; }

}

public class student

{

//student\_id int primary key,student\_name varchar(25),student\_class int

public int student\_id { get; set; }

public string student\_name { get; set; }

public int student\_class { get; set; }

}

public class subjects

{

// subjects\_id int primary key,subjects\_name

public int subjects\_id { get; set; }

public string subjects\_name { get; set; }

}

}

**WebForm1.aspx.cs:**

using School;

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;

namespace WebApplication4

{

public partial class WebForm1 : System.Web.UI.Page

{

SqlConnection c = new SqlConnection("Data Source=DESKTOP-5GL4B5D\\SQLEXPRESS1;Initial Catalog=School;Integrated Security=True");

protected void Page\_Load(object sender, EventArgs e)

{

}

protected void Button1\_Click(object sender, EventArgs e)

{

Class1 p = new Class1();

p.Room\_no= Convert.ToInt32(TextBox1.Text);

p.class\_strength = Convert.ToInt32(TextBox2.Text);

c.Open();

SqlCommand cmd = new SqlCommand("insert into Class1 values('" + p.Room\_no+ "','" + p.class\_strength + "')", c);

cmd.ExecuteNonQuery();

Display.Text = "Record inserted succesfully...";

TextBox1.Text = " ";

TextBox2.Text = " ";

disp();

c.Close();

}

protected void Button2\_Click(object sender, EventArgs e)

{

Class1 p = new Class1();

p.Room\_no = Convert.ToInt32(TextBox1.Text);

p.class\_strength = Convert.ToInt32(TextBox2.Text);

c.Open();

SqlCommand cmd = new SqlCommand("update Class1 set class\_strength=' " + p.class\_strength + "' where Room\_no=' " + p.Room\_no + "'", c);

cmd.ExecuteNonQuery();

Display.Text = "Record updated succesfully !!";

disp();

TextBox1.Text = " ";

TextBox2.Text = " ";

c.Close();

}

protected void Button3\_Click(object sender, EventArgs e)

{

Class1 p = new Class1();

p.Room\_no = Convert.ToInt32(TextBox1.Text);

//p.class\_strength = Convert.ToInt32(TextBox2.Text);

c.Open();

SqlCommand cmd = new SqlCommand("delete from Class1 where Room\_no=' " + p.Room\_no + "'", c); ;

cmd.ExecuteNonQuery();

Display.Text = "Record deleted succesfully...";

disp();

TextBox1.Text = " ";

TextBox2.Text = " ";

c.Close();

}

public void disp()

{

SqlCommand cmd = new SqlCommand("select \* from Class1", c);

SqlDataAdapter da = new SqlDataAdapter(cmd);

DataTable dt = new DataTable();

da.Fill(dt);

GridView1.DataSource = dt;

GridView1.DataBind();

Display2.Text = "Record viewed succesfully !!";

}

protected void Button4\_Click(object sender, EventArgs e)

{

Class1 p = new Class1();

p.Room\_no = Convert.ToInt32(TextBox1.Text);

SqlCommand cmd = new SqlCommand("select \* from Class1 where Room\_no=' " + p.Room\_no + "'", c);

SqlDataAdapter da = new SqlDataAdapter(cmd);

DataTable dt = new DataTable();

da.Fill(dt);

GridView2.DataSource = dt;

GridView2.DataBind();

Display.Text = "Class Room number found ..";

disp();

}

protected void Button5\_Click(object sender, EventArgs e)

{

disp();

Display.Text = "Record viewed succesfully !!";

}

}

}

**WebForm2.aspx.cs:**

using System;

using System.Collections.Generic;

using System.Linq;

using System.Web;

using System.Web.UI;

using System.Web.UI.WebControls;

namespace WebApplication4

{

public partial class WebForm2 : System.Web.UI.Page

{

protected void Page\_Load(object sender, EventArgs e)

{

}

protected void LinkButton1\_Click(object sender, EventArgs e)

{

Response.Redirect("~/WebForm1");

}

protected void LinkButton2\_Click(object sender, EventArgs e)

{

Response.Redirect("~/WebForm3");

}

protected void LinkButton3\_Click(object sender, EventArgs e)

{

Response.Redirect("~/WebForm4");

}

}

}

**WebForm3.aspx.cs:**

using School;

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;

namespace WebApplication4

{

public partial class WebForm3 : System.Web.UI.Page

{

SqlConnection c = new SqlConnection("Data Source=DESKTOP-5GL4B5D\\SQLEXPRESS1;Initial Catalog=School;Integrated Security=True");

protected void Page\_Load(object sender, EventArgs e)

{

}

public void disp()

{

SqlCommand cmd = new SqlCommand("select \* from student", c);

SqlDataAdapter da = new SqlDataAdapter(cmd);

DataTable dt = new DataTable();

da.Fill(dt);

GridView1.DataSource = dt;

GridView1.DataBind();

Display2.Text = "Record viewed succesfully !!";

}

protected void Button1\_Click(object sender, EventArgs e)

{

student p = new student();

p.student\_id = Convert.ToInt32(TextBox1.Text);

p.student\_name = TextBox2.Text;

p.student\_class = Convert.ToInt32(TextBox3.Text);

c.Open();

SqlCommand cmd = new SqlCommand("insert into student values('" + p.student\_id + "','" + p.student\_name + "','" + p.student\_class + "')", c);

cmd.ExecuteNonQuery();

Display.Text = "Record inserted succesfully...";

TextBox1.Text = " ";

TextBox2.Text = " ";

TextBox3.Text = " ";

disp();

c.Close();

}

protected void Button2\_Click(object sender, EventArgs e)

{

student p = new student();

p.student\_id = Convert.ToInt32(TextBox1.Text);

p.student\_name = TextBox2.Text;

p.student\_class = Convert.ToInt32(TextBox3.Text);

c.Open();

SqlCommand cmd = new SqlCommand("update student set student\_name=' " + p.student\_name + "',student\_class='" + p.student\_class + "' where student\_id=' " + p.student\_id + "'", c);

cmd.ExecuteNonQuery();

Display.Text = "Record updated succesfully !!";

disp();

TextBox1.Text = " ";

TextBox2.Text = " ";

TextBox3.Text = " ";

c.Close();

}

protected void Button3\_Click(object sender, EventArgs e)

{

student p = new student();

p.student\_id = Convert.ToInt32(TextBox1.Text);

c.Open();

SqlCommand cmd = new SqlCommand("delete from student where student\_id=' " + p.student\_id + "'", c); ;

cmd.ExecuteNonQuery();

Display.Text = "Record deleted succesfully...";

disp();

TextBox1.Text = " ";

TextBox2.Text = " ";

TextBox3.Text = " ";

c.Close();

}

protected void Button4\_Click(object sender, EventArgs e)

{

student p = new student();

p.student\_id = Convert.ToInt32(TextBox1.Text);

SqlCommand cmd = new SqlCommand("select \* from student where student\_id=' " + p.student\_id + "'", c);

SqlDataAdapter da = new SqlDataAdapter(cmd);

DataTable dt = new DataTable();

da.Fill(dt);

GridView2.DataSource = dt;

GridView2.DataBind();

Display.Text = "student details found ..";

disp();

}

protected void Button5\_Click(object sender, EventArgs e)

{

disp();

Display.Text = "Record viewed succesfully !!";

}

}

}

**WebForm4.aspx.cs:**

using School;

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;

namespace WebApplication4

{

public partial class WebForm4 : System.Web.UI.Page

{

SqlConnection c = new SqlConnection("Data Source=DESKTOP-5GL4B5D\\SQLEXPRESS1;Initial Catalog=School;Integrated Security=True");

protected void Page\_Load(object sender, EventArgs e)

{

}

public void disp()

{

SqlCommand cmd = new SqlCommand("select \* from subjects", c);

SqlDataAdapter da = new SqlDataAdapter(cmd);

DataTable dt = new DataTable();

da.Fill(dt);

GridView1.DataSource = dt;

GridView1.DataBind();

Display2.Text = "Subject details viewed succesfully !!";

}

protected void Button1\_Click(object sender, EventArgs e)

{

subjects p = new subjects();

p.subjects\_id = Convert.ToInt32(TextBox1.Text);

p.subjects\_name = TextBox2.Text;

c.Open();

SqlCommand cmd = new SqlCommand("insert into subjects values('" + p.subjects\_id + "','" + p.subjects\_name + "')", c);

cmd.ExecuteNonQuery();

Display.Text = "Record inserted succesfully...";

TextBox1.Text = " ";

TextBox2.Text = " ";

disp();

c.Close();

}

protected void Button2\_Click(object sender, EventArgs e)

{

subjects p = new subjects();

p.subjects\_id = Convert.ToInt32(TextBox1.Text);

p.subjects\_name = TextBox2.Text;

c.Open();

SqlCommand cmd = new SqlCommand("update subjects set subjects\_name=' " + p.subjects\_name + "' where subjects\_id=' " + p.subjects\_id + "'", c);

cmd.ExecuteNonQuery();

Display.Text = "Record updated succesfully !!";

disp();

TextBox1.Text = " ";

TextBox2.Text = " ";

c.Close();

}

protected void Button3\_Click(object sender, EventArgs e)

{

subjects p = new subjects();

p.subjects\_id = Convert.ToInt32(TextBox1.Text);

//p.class\_strength = Convert.ToInt32(TextBox2.Text);

c.Open();

SqlCommand cmd = new SqlCommand("delete from subjects where subjects\_id=' " + p.subjects\_id + "'", c); ;

cmd.ExecuteNonQuery();

Display.Text = "Record deleted succesfully...";

disp();

TextBox1.Text = " ";

TextBox2.Text = " ";

c.Close();

}

protected void Button4\_Click(object sender, EventArgs e)

{

subjects p = new subjects();

p.subjects\_id = Convert.ToInt32(TextBox1.Text);

SqlCommand cmd = new SqlCommand("select \* from subjects where subjects\_id=' " + p.subjects\_id + "'", c);

SqlDataAdapter da = new SqlDataAdapter(cmd);

DataTable dt = new DataTable();

da.Fill(dt);

GridView2.DataSource = dt;

GridView2.DataBind();

Display.Text = "Subject details found ..";

disp();

}

protected void Button5\_Click(object sender, EventArgs e)

{

disp();

Display.Text = "Record viewed succesfully !!";

}

}

}