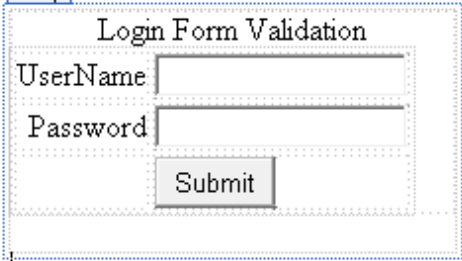


Lab Programs 12 - 14 (ASP/NET)

12. Create a Web application in ASP.NET that has a Login Module which adds Username and Password in the database. Username in the database should be a primary key.



The screenshot shows a web form titled "Login Form Validation". It contains two text input fields labeled "UserName" and "Password", and a "Submit" button. The form is enclosed in a dotted border.

Table Name : login			
SNo	column name	Datatype	Constraints
1	username	varchar(15)	primary key
2	password	varchar(15)	

Property Table			
SNo	Control Name	Property	Value
1	TextBox1	id	txtuser
2	TextNox2	id	txtpwd
		TextMode	Password
3	Button1	Text	Submit

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

```
public partial class login : System.Web.UI.Page
{
    SqlConnection con;
    SqlCommand cmd;
    int res;
    protected void Button1_Click(object sender, EventArgs e)
    { try
        { con = new SqlConnection("Data Source=.\SQLEXPRESS; Integrated Security=SSPI;
Initial Catalog=testdb1");
        con.Open();
        cmd = new SqlCommand("select count(*) from login where username='" + txtuser.Text +
        "' and password='" + txtpwd.Text + "'", con);
        res = (int)cmd.ExecuteScalar();
        if (res > 0)
```

```

        Response.Write ("Valid user!!!");

    else
        Response.Write ("Invalid user");

    }
    catch (Exception ex)
    {
        Response.Write(ex.Message);
    }

}
}

```

13. Create a Web application in ASP.NET to a) add b)search and delete records to an employee database.

Employee Registration Form

Employee Id	<input type="text"/>
Employee Name	<input type="text"/>
Salary	<input type="text"/>
Designation	<input type="text"/>
Add Record	

Search and Delete an Employee

Employee Id	<input type="text" value="Unbound"/>
Employee Name	<input type="text"/>
Salary	<input type="text"/>
Designation	<input type="text"/>
Delete	

a) Adding Records to Employee table

Table Name : employee			
SNo	column name	Datatype	Constraints
1	empid	numeric(10,0)	primary key
2	ename	varchar(15)	
3	salary	numeric(10,0)	
4	desig	varchar(15)	

Property Table			
SNo	Control Name	Property	Value
1	TextBox1	id	txtempid
2	TextBox2	id	txtname
3	TextBox3	id	txtsal
4	TextBox4	id	txtdesig
5	Button1	Text	Add Record
		id	btnadd

```

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

public partial class EmployeeDetails : System.Web.UI.Page
{
    SqlConnection con;
    SqlCommand cmd;
    SqlDataReader dr;
    int newempid;
    protected void Page_Load(object sender, EventArgs e)
    {
        con = new SqlConnection("Data Source=.\SQLEXPRESS;Initial
Catalog=testdb1;Integrated Security=True");
        con.Open();
    }
    protected void btnadd_Click(object sender, EventArgs e)
    {
        try
        {
            cmd = new SqlCommand("insert into employee values(" + txttempid.Text + "," +
txtname.Text + "," + txtsal.Text + "," + txtdesig.Text + ")", con);
            cmd.ExecuteNonQuery();
            Response.Write("Record successfully inserted");
            txtname.Text = "";
            txtdesig.Text = "";
            txtsal.Text = "";
            txttempid.Text = "";
            txttempid.Focus();

        }
        catch (Exception ex)
        {
            Response.Write(ex.Message);
        }
    }
}

```

b) Search and Delete an employee record

Property Table			
SNo	Control Name	Property	Value
1	DropDownList1	id	lstempid
2	TextBox2	id	txtname
3	TextBox3	id	txtsal
4	TextBox4	id	txtdesig
5	Button1	Text	Delete
		id	btndelete

```

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

public partial class searchdelemp : System.Web.UI.Page
{
    SqlConnection con;
    SqlCommand cmd;
    SqlDataReader dr;
    protected void Page_Load(object sender, EventArgs e)
    {
        con = new SqlConnection("Data Source=.\SQLEXPRESS;Initial Catalog=testdb1;
Integrated Security=True");
        con.Open();
        if (!IsPostBack)
        {
            cmd = new SqlCommand("select * from employee", con);
            dr = cmd.ExecuteReader();
            while (dr.Read())
                lstempid.Items.Add(dr.GetValue(0).ToString());
            dr.Close();
        }
    }
    protected void lstempid_SelectedIndexChanged(object sender, EventArgs e)
    {
        try
        {
            cmd = new SqlCommand("select * from employee where empid=" + lstempid.Text,
con);
            dr = cmd.ExecuteReader();

            if (dr.Read())
            {
                txtname.Text = dr.GetString(1).ToString();
                txtsal.Text = dr.GetValue(2).ToString();
                txtdesig.Text = dr.GetString(3).ToString();
            }
            else
                Response.Write("Record not found");
        }
        catch (Exception ex)
        {
            Response.Write(ex.Message);
        }
        dr.Close();
    }
}

```

```

}
protected void btndelete_Click(object sender, EventArgs e)
{
    cmd = new SqlCommand("delete from employee where empid=" + lstempid.Text ,
con);
    cmd.ExecuteNonQuery();
    Response.Write("Record Deleted!!!!");
    txtname.Text = "";
    txtsal.Text = "";
    txtdesig.Text = "";
    lstempid.Items.Remove(lstempid.SelectedItem);
}
}

```

14. Design a Web application using ASP.NET Server controls that accepts name, user id, password, age and email id. All the information entry is compulsory. Password should be reconfirmed, Age should be within 21 to 30, Email id should be valid, User id should have at least a capital letter and digit as well as length should be between 7 and 20 characters. [Use Validation controls]

Registration Form

First Name	<input type="text"/>	First Name cannot be empty
Last Name	<input type="text"/>	Last Name cannot be empty
User Id	<input type="text"/>	Userid cannot be emptyAtleast One Capital letter and 1 digit
Password	<input type="password"/>	Password cannot be empty
Retype Password to confirm	<input type="password"/>	Confirm password cannot be emptyPassword not matching
Email-id	<input type="text"/>	Email-id cannot be emptyInvalid Emailid
Age	<input type="text"/>	Age cannot be emptyAge should be between 21 and 40
Mobile Number	<input type="text"/>	Mobile No cannot be emptyInvalid Mobile Number
<input type="button" value="Submit"/>		

Property Table			
SNo	Control Name	Property	textfn
1	TextBox1	id	lstempid
2	TextBox2	id	txtln
3	TextBox3	id	txtuser
4	TextBox4	id	txtpwd
		TextMode	Password
5	TextBox5	id	txtrepwd
		TextMode	Password

6	TextBox6	id	txtemail
7	TextBox7	id	txtage
8	TextBox8	id	txtmobile
9	Button1	Text	Submit
10	RequiredFieldValidator1	ControlToValidate	txtfn
		ForeColor	Red
		ErrorMessage	First Name cannot be empty
11	RequiredFieldValidator2	ControlToValidate	txtln
		ForeColor	Red
		ErrorMessage	Last Name cannot be empty
12	RequiredFieldValidator3	ControlToValidate	txtuser
		ForeColor	Red
		ErrorMessage	Userid cannot be empty
13	RequiredFieldValidator4	ControlToValidate	txtpwd
		ForeColor	Red
		ErrorMessage	Password cannot be empty
14	RequiredFieldValidator5	ControlToValidate	txtrepwd
		ForeColor	Red
		ErrorMessage	Confirm password cannot be empty
15	RequiredFieldValidator6	ControlToValidate	txtemail
		ForeColor	Red
		ErrorMessage	emailid cannot be empty
16	RequiredFieldValidator7	ControlToValidate	txtage
		ForeColor	Red
		ErrorMessage	Age cannot be empty
17	RequiredFieldValidator8	ControlToValidate	txtmobile
		ForeColor	Red
		ErrorMessage	Mobileno cannot be empty
18	CustomValidator1	ControlToValidate	txtuser
		ForeColor	Red
		ErrorMessage	Atleast One Capital letter and 1 digit
19	RangeValidator1	ControlToValidate	txtage
		ForeColor	Red
		ErrorMessage	Age should be between 21 and 40
		Maximum Value	40
		Minimum Value	21
20	CompareValidator1	ControlToValidate	txtrepwd
		ForeColor	Red
		ErrorMessage	Password not matching
		ControlToCompare	txtpwd
21	RegularExpressionValidator1	ControlToValidate	txtemail
		ForeColor	Red
		ErrorMessage	Invalid Emailid
		ValidationExpression	\w+([-+.'\w+)*@\w+([-.\w+)*\.\w+([-.\w+)*
22	RegularExpressionValidator2	ControlToValidate	txtmobile
		ForeColor	Red

		ErrorMessage	Invalid Mobile Number
		ValidationExpression	\d{10}

```

using System;

using System.Collections.Generic;

using System.Linq;

using System.Web;

using System.Web.UI;

using System.Web.UI.WebControls;

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

{
    protected void CustomValidator1_ServerValidate(object source, ServerValidateEventArgs args)
    {
        string str = args.Value;

        args.IsValid = false;

        if (str.Length < 7 || str.Length > 20)
        {
            return;
        }

        bool capital = false;

        foreach (char ch in str)
        {
            if (ch >= 'A' && ch <= 'Z')
            {
                capital = true;

                break;
            }
        }

        if (!capital)
        {
            return;
        }

        bool digit = false;

        foreach (char ch in str)
        {
            if (ch >= '0' && ch <= '9')
            {
                digit = true; break;
            }
        }

        if (!digit)
        {
            return;
        }
    }
}

```

```
        args.IsValid = true;
    }
    protected void Button1_Click(object sender, EventArgs e)
    {
        Response.Write("User Registration for " + txtfn .Text  + " is submitted successfully");
    }
}
```