

## Week 6

### Default.aspx

```
<%@ Page Language="C#" AutoEventWireup="true" CodeFile="Default.aspx.cs"
Inherits="_Default" %>

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
</head>
<body>
    <form id="form1" runat="server">
        <div style="height: 452px">
            <asp:Label ID="Label1" runat="server" Text="Staff ID"></asp:Label>
            <br />
            <br />
            <asp:DropDownList ID="DropDownList1" runat="server" AutoPostBack="true"
OnSelectedIndexChanged="DropDownList1_SelectedIndexChanged">
</asp:DropDownList>
            <br />
            <br />
            <asp:Label ID="Label2" runat="server" Text="Staff Details:"></asp:Label>
            <br />
            <br />
            <asp:ListBox ID="ListBox1" runat="server"></asp:ListBox>
            <br />
            <br />
            <asp:Button ID="Button1" runat="server" Text="Update"
OnClick="Button1_Click" />
            <br />
            <br />
            <asp:Label ID="Label3" runat="server"></asp:Label>
        </div>
    </form>
</body>
</html>
```

### Default.aspx.cs

```
using System;
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;

public partial class _Default : System.Web.UI.Page
{
    protected void Page_Load(object sender, EventArgs e)
    {
        if(!this.IsPostBack)
        {
            ListBox1.Items.Add("Mumbai");
            ListBox1.Items.Add("Pune");
            ListBox1.Items.Add("Chennai");
        }
    }
}
```

```

        FillID();
    }

}

private void FillID()
{
    string connection_string = "Data Source=(localdb)\\MSSQLLocalDB;Initial
Catalog=HouseKeeping; Integrated Security=SSPI";

    string select = "SELECT StaffID from Staff";

    SqlConnection con = new SqlConnection(connection_string);

    SqlCommand cmd = new SqlCommand(select, con);

    SqlDataAdapter adapter = new SqlDataAdapter(cmd);

    DataSet ds = new DataSet();

    try
    {
        con.Open();

        adapter.Fill(ds, "Staff");
    }
    catch (Exception err)
    {
    }
    finally
    {
        con.Close();
    }

    foreach (DataRow row in ds.Tables["Staff"].Rows)
    {
        DropDownList1.Items.Add(row["StaffID"].ToString());
    }
}

protected void DropDownList1_SelectedIndexChanged(object sender, EventArgs e)
{
    int id = Int32.Parse(DropDownList1.SelectedValue);

    string connection_string = "Data Source=(localdb)\\MSSQLLocalDB;Initial
Catalog=HouseKeeping; Integrated Security=SSPI";

    string select = "SELECT FirstName,LastName,DNo,Street,City,State,ZipCode FROM
Staff where StaffID="+id;

    SqlConnection con = new SqlConnection(connection_string);

    SqlCommand cmd = new SqlCommand(select, con);

    SqlDataAdapter adapter = new SqlDataAdapter(cmd);

    DataSet ds = new DataSet();

```

```

try
{
    con.Open();

    adapter.Fill(ds, "Staff");
}
catch (Exception err)
{
}
finally
{
    con.Close();
}

DataRow row = ds.Tables["Staff"].Rows[0];

string f_name = (string)row["FirstName"];
string l_name = (string)row["LastName"];
int d_no = (int)row["DNo"];
string street = (string)row["Street"];
string city = (string)row["City"];
string state = (string)row["State"];
decimal zip = (decimal)row["ZipCode"];

Label2.Text += f_name + " " + l_name + " " + d_no.ToString() + " " + street +
" " + city + " " + state + " " + zip.ToString();

}

protected void Button1_Click(object sender, EventArgs e)
{
    int id = Int32.Parse(DropDownList1.SelectedValue);

    string city = ListBox1.SelectedValue;

    string connection_string = "Data Source=(localdb)\\MSSQLLocalDB;Initial
Catalog=HouseKeeping; Integrated Security=SSPI";

    string update = "UPDATE Staff SET City=@city" + " WHERE StaffID=@id" ;

    SqlConnection con = new SqlConnection(connection_string);

    SqlCommand cmd = new SqlCommand(update, con);

    cmd.Parameters.AddWithValue("@city", city);
    cmd.Parameters.AddWithValue("@id", id);
    int updated = 0;
    try
    {
        con.Open();

        updated = cmd.ExecuteNonQuery();
    }
    catch(Exception err)
    {
    }
    finally
    {
        con.Close();
    }
}

```

```

    }
    if(updated>0)
    {
        Label3.Text = "Record has been updated";
    }
    else
    {
        Label3.Text = "Problem in performing update";
    }
}
}

```

I/O

	Name	Data Type	Allow Nulls	Default
	StaffID	int	<input type="checkbox"/>	
	FirstName	varchar(50)	<input type="checkbox"/>	
	LastName	varchar(50)	<input type="checkbox"/>	
	DNo	int	<input type="checkbox"/>	
	Street	varchar(50)	<input type="checkbox"/>	
	City	varchar(50)	<input type="checkbox"/>	
	State	varchar(50)	<input type="checkbox"/>	
	ZipCode	numeric(18,0)	<input type="checkbox"/>	

	StaffID	FirstName	LastName	DNo	Street	City	State	ZipCode
	1	Dhiman	C	1	sector 17c	Gurgaon	Haryana	122
	2	Shubham	B	2	NTPC	Bhilai	Chattisgarh	121
	3	Arun	G	3	Navy colony	Mumbai	Maharashtra	586
	4	Rohan	Thomas	78	Akshay Kumar ...	Mumbai	Maharashtra	476

4 ▾

**StaffID: 4**  
**First Name: Rohan**  
**Last Name: thomas**  
**DNo: 78**  
**Street: Akshay Kumar street**  
**City: Mumbai**  
**State: Maharashtra**  
**ZipCode: 476**

Agartala

Shimla

Delhi

Update



Default.aspx.cs

```
using System;
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;

public partial class _Default : System.Web.UI.Page
{
    protected void Page_Load(object sender, EventArgs e)
    {
        if(!this.IsPostBack)
        {
            DropDownList1.Items.Add("comedy");
            DropDownList1.Items.Add("romance");
            DropDownList1.Items.Add("action");
        }
    }

    protected void DropDownList1_SelectedIndexChanged(object sender, EventArgs e)
    {
        string category = DropDownList1.SelectedValue;
        string connection_string = @"Data Source=(localdb)\MSSQLLocalDB;Initial
Catalog=Test;Integrated Security=SSPI";

        string query = "SELECT name,age from Legends WHERE category='" + category+"'";

        SqlConnection con = new SqlConnection(connection_string);

        SqlCommand cmd = new SqlCommand(query, con);

        try
        {
            con.Open();

            ListBox1.DataSource = cmd.ExecuteReader();
            ListBox1.DataTextField = "name";
            ListBox1.DataValueField = "age";
            ListBox1.DataBind();

        }
        catch(Exception err)
        {

        }
        finally
        {
            con.Close();
        }

        ListBox1.SelectedIndex = -1;
    }
}
```

```
}
```

```
protected void ListBox1_SelectedIndexChanged(object sender, EventArgs e)
{
    string name = ListBox1.SelectedItem.Text;
    string age = ListBox1.SelectedValue;
    TextBox1.Text = "Name:" + name + "\n" + "Age:" + age;
}
}
```

I/O

	Name	Data Type	Allow Nulls	Default	
1	Id	nchar(10)	<input type="checkbox"/>		
	name	varchar(50)	<input type="checkbox"/>		
	age	nchar(10)	<input type="checkbox"/>		
	category	varchar(50)	<input type="checkbox"/>		
			<input type="checkbox"/>		

Id	name	age	category
1	charlie chaplin	84	comedy
2	johnny lever	60	comedy
3	jim carrey	50	comedy
4	JLo	40	romance
5	Tom Cruise	52	romance
6	Blake	38	romance
7	Naruto	22	animated
8	Bleach	20	animated
9	hero academia	10	animated

Choose Genre: animated ▼

Naruto  
 Bleach  
 hero academia

NAME: Bleach AGE: 20

Q3

Default.aspx

```
<%@ Page Language="C#" AutoEventWireup="true" CodeFile="Default.aspx.cs"
Inherits="_Default" %>
```

```
<!DOCTYPE html>
```

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





```

    }
    finally
    {
        con.Close();
    }
}
}

```

I/O

	Name	Data Type	Allow Nulls	Default
1	Id	int	<input type="checkbox"/>	
2	flavour	varchar(50)	<input type="checkbox"/>	
3	price	int	<input type="checkbox"/>	
4			<input type="checkbox"/>	

Id	flavour	price
1	vanilla	35
2	chocolate	60
3	strawberry	45
4	coffee	75
5	litchi	75
6	coconut	50

Enter Price of Vanilla:

Id	flavour	price
1	vanilla	45
2	chocolate	60
3	strawberry	45
4	coffee	75
5	litchi	75
6	coconut	50
NULL	NULL	NULL

Q4

Default.aspx

```

<%@ Page Language="C#" AutoEventWireup="true" CodeFile="Default.aspx.cs"
Inherits="_Default" %>

```

```

<!DOCTYPE html>

```

```

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

```

```

<head runat="server">

```

```

    <title></title>

```

```

</head>

```

```

<body>

```

```

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

```

```

        <div style="height: 419px">

```



```

}

protected void Button1_Click(object sender, EventArgs e)
{
    string name = TextBox1.Text;
    string company = TextBox2.Text;
    string salary = TextBox3.Text;

    string connection_string = @"Data Source=(localdb)\MSSQLLocalDB;Initial
Catalog=WorksAndLives;Integrated Security=SSPI";

    SqlConnection con = new SqlConnection(connection_string);

    string query = "INSERT INTO Works (name,company,salary) VALUES
('"+name+"','"+company+"','"+salary+"')";

    SqlCommand cmd = new SqlCommand(query, con);

    int added = 0;
    try
    {
        con.Open();

        added = cmd.ExecuteNonQuery();
    }
    catch(Exception err)
    {
    }
    finally
    {
        con.Close();
    }

    if(added>0)
    {
        Label4.Text = "Successfully added";
    }
    else
    {
        Label4.Text = "Values were not added";
    }
}

protected void Button2_Click(object sender, EventArgs e)
{
    ListBox1.Items.Clear();
    string company = TextBox4.Text;

    string connection_string = @"Data Source=(localdb)\MSSQLLocalDB;Initial
Catalog=WorksAndLives;Integrated Security=SSPI";

    string query = "SELECT Lives.name name,Lives.city city FROM Works,Lives where
company='"+ company + "' AND Works.name=Lives.name";

    SqlConnection con = new SqlConnection(connection_string);

    SqlCommand cmd = new SqlCommand(query, con);

    SqlDataReader reader;

```

```

try
{
    con.Open();

    reader = cmd.ExecuteReader();

    while(reader.Read())
    {
        string name = (string)reader["name"];
        string city = (string)reader["city"];
        ListBox1.Items.Add(name + " " + city);
    }

}
catch(Exception err)
{
}
finally
{
    con.Close();
}
}

```

I/O

	Name	Data Type	Allow Nulls	Default
	person_name	varchar(50)	<input type="checkbox"/>	
	street	varchar(50)	<input type="checkbox"/>	
	city	varchar(50)	<input type="checkbox"/>	

	Name	Data Type	Allow Nulls	Default
	person_name	varchar(50)	<input type="checkbox"/>	
	company_name	varchar(50)	<input type="checkbox"/>	
	salary	int	<input type="checkbox"/>	

Enter name:

Enter company name:

Enter salary:

Enter Company Name:

Name: MelvinCompany: PHILIPSCity Columbia

Name: SuriCompany: PHILIPSCity Bangalore