



**LAB 6:**  
***DOTNET***

**MOHAMAD IMAN MUHAJMIN BIN HUSIN**  
**AI210206**

Update.aspx

```
<%@ Page Title="" Language="C#" MasterPageFile="~/Masterpage/Main.Master"
AutoEventWireup="true" CodeBehind="Update.aspx.cs"
Inherits="Lab6._1.Masterpage.Update" %>
<asp:Content ID="Content1" ContentPlaceHolderID="title" runat="server">
</asp:Content>
<asp:Content ID="Content2" ContentPlaceHolderID="head" runat="server">
</asp:Content>
<asp:Content ID="Content3" ContentPlaceHolderID="ContentPlaceHolder1"
runat="server">
    <div class="container">
<table>
    <tr><td class="auto-style8">&nbsp;</td>
        <td class="auto-style2">
            <H2>Add New Student</H2>
        </td>
        <td class="auto-style8">&nbsp;</td>
    </tr>
    <tr><td class="auto-style8">&nbsp;</td>
        <td class="auto-style2">
            <H3></H3>
        </td>
        <td class="auto-style8">&nbsp;</td>
    </tr>
    <tr><td class="auto-style8">&nbsp;</td>
        <td class="auto-style3"><strong>Student Name : </strong></td>
        <td>&nbsp;<asp:TextBox id="txtbox_name"
runat="server"></asp:TextBox>
            <asp:RequiredFieldValidator ID="rfvName" runat="server"
ControlToValidate="txtbox_name" ErrorMessage="Enter Studend Name"
ForeColor="Red">
                </asp:RequiredFieldValidator>
        </td>
    </tr>
    <tr><td class="auto-style8">&nbsp;</td>
        <td class="auto-style3"><strong>Student ID : </strong></td>
        <td>&nbsp;<asp:TextBox ID="txtbox_ID"
runat="server"></asp:TextBox>&nbsp;<asp:RequiredFieldValidator ID="rfvID"
runat="server" ControlToValidate="txtbox_ID" ErrorMessage="Enter Studend ID"
ForeColor="Red">
                </asp:RequiredFieldValidator>
        </td>
    </tr>
    <tr><td class="auto-style8">&nbsp;</td>
        <td class="auto-style3"><strong>Course : </strong></td>
        <td>&nbsp;<asp:DropDownList runat="server" ID="ddl_Course">
            <asp:ListItem Text="Computer Science" Value="1"></asp:ListItem>
            <asp:ListItem Text="Electrical Engineering"
Value="2"></asp:ListItem>
            <asp:ListItem Text="Mechanical Engineering"
Value="3"></asp:ListItem>
            <asp:ListItem Text="Architecture" Value="4"></asp:ListItem>
            <asp:ListItem Text="Electronic Engineering"
Value="5"></asp:ListItem>
            <asp:ListItem Text="Technology Management"
Value="6"></asp:ListItem>
        </td>
    </tr>
</table>
    </div>
</asp:Content>
```

```

                <asp:ListItem Text="Aeronautical Engineering"
Value="7"></asp:ListItem>
                <asp:ListItem Text="Civil Engineering" Value="8"></asp:ListItem>
            </asp:DropDownList>&nbsp;

</td>
</tr>
<tr><td class="auto-style8">&nbsp;</td>
    <td class="auto-style2">
        <asp:Button ID="ButtonSave" Text="Save" runat="server"
OnClick="ButtonSave_Click" />&nbsp;
        <asp:Button ID="ButtonCancel" Text="Cancel" runat="server"
OnClick="ButtonCancel_Click" />&nbsp;

    </td>
    <td class="auto-style8">&nbsp;<asp:Label id="lblStatus"
ForeColor="Red" runat="server"></asp:Label></td>
</tr>
<tr><td class="auto-style8">&nbsp;</td>
    <td class="auto-style2">
        &nbsp;</td>
    <td class="auto-style8">&nbsp;</td>
</tr>
</table>
</div>
</asp:Content>

```

Update.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;
using System.Configuration;

namespace Lab6._1.Masterpage
{
    public partial class Update : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {
            ValidationSettings.UnobtrusiveValidationMode =
UnobtrusiveValidationMode.None;
        }

        protected void ButtonSave_Click(object sender, EventArgs e)
        {
            string ID = txtbox_ID.Text;
            string name = txtbox_name.Text;
            string course = ddl_Course.SelectedItem.Text;

            SqlConnection con = new SqlConnection
("Data Source =.\\SQLEXPRESS; Initial Catalog = lab6; Integrated
Security = True; Pooling = False");

            try
            {
                con.Open();

                SqlCommand cmmd = new SqlCommand("SELECT * FROM clients WHERE
Studentid='" + ID + "'", con);
                SqlDataReader reader = cmmd.ExecuteReader();

                if (reader.Read())
                {
                    lblStatus.Text = "Student ID already exists! Please type
different Student ID";
                    reader.Close();
                    return;
                }

                reader.Close();
                SqlDataAdapter cmd = new SqlDataAdapter();// Create a object of
SqlDataAdapter class
                cmd.InsertCommand = new SqlCommand("INSERT INTO clients VALUES
(@Studentname, @Studentid,@course) ", con); //Pass the connection object to cmd

                cmd.InsertCommand.Parameters.Add("@Studentname",
SqlDbType.Text).Value = name;
                cmd.InsertCommand.Parameters.Add("@Studentid",
SqlDbType.Text).Value = ID;
                cmd.InsertCommand.Parameters.Add("@course", SqlDbType.Text).Value
= course;

                cmd.InsertCommand.ExecuteNonQuery(); //to execute the SQL
command
            }
        }
    }
}
```

```

        lblStatus.Text = "New student info added successfully";
        txtbox_ID.Text = "";
        txtbox_name.Text = "";
        ddl_Course.Text = "";
    }
    catch (Exception ex)
    {
        Response.Write(ex.ToString());
    }
    finally
    {
        con.Close();
    }
}

protected void ButtonCancel_Click(object sender, EventArgs e)
{
    txtbox_name.Text = "";
    txtbox_ID.Text = "";
    ddl_Course.Text = "";
}
}

```

StudentInfo.aspx

```
<%@ Page Title="" Language="C#" MasterPageFile="~/Masterpage/Main.Master"
AutoEventWireup="true" CodeBehind="StudentInfo.aspx.cs"
Inherits="Lab6._1.Masterpage.StudentInfo" %>
<asp:Content ID="Content1" ContentPlaceHolderID="title" runat="server">
</asp:Content>
<asp:Content ID="Content2" ContentPlaceHolderID="head" runat="server">
<style>
    .container {
        width: 80%;
        margin: 0 auto;
    }

    h2 {
        text-align: center;
    }

    #AddNew {
        margin-bottom: 20px;
    }

    #GridView1 {
        margin-top: 20px;
    }

    #msg {
        display: block;
        text-align: center;
        margin-top: 20px;
        font-weight: bold;
    }
</style>
</asp:Content>
<asp:Content ID="Content3" ContentPlaceHolderID="ContentPlaceHolder1"
runat="server">
    <div class="container">
        <h2>Student Info</h2>
        <asp:Button ID="AddNew" Text="Add New Student" runat="server"
OnClick="ButtonAddNew_Click" CssClass="btn btn-primary" />
        <br /><br />
        <div>
            <asp:GridView ID="GridView1" runat="server" AutoGenerateColumns="false"
                OnRowDataBound="GridView1_RowDataBound"
                OnSelectedIndexChanged="GridView1_SelectedIndexChanged"
                AllowPaging="true" PageSize="5"
                OnPageIndexChanging="GridView1_PageIndexChanging">
                <HeaderStyle BackColor="#507CD1" Font-Bold="True" ForeColor="White" />
                <Columns>
                    <asp:BoundField DataField="Studentname" HeaderText="Student Name" />
                    <asp:BoundField DataField="Studentid" HeaderText="Student ID" />
                    <asp:BoundField DataField="course" HeaderText="Course" />
                    <asp:TemplateField>
                        <ItemTemplate>
                            <asp:LinkButton ID="lnkSelect" runat="server" Text="Select"
CommandName="Select" OnClientClick="return confirm('Are you sure you want to
perform this action?');" />
                        </ItemTemplate>
                    </asp:TemplateField>
                </Columns>
            </asp:GridView>
            <br />
            <asp:Label ID="msg" runat="server" Text="" CssClass="msg-label"></asp:Label>
        </div>
    </div>
</asp:Content>
```

```
</div>  
      </div>  
</asp:Content>
```

StudentInfo.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;
using System.Configuration;

namespace Lab6._1.Masterpage
{
    public partial class StudentInfo : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {
            if (!this.IsPostBack)
            {
                this.BindGrid();
            }

            private void BindGrid()
            {
                SqlConnection con = new SqlConnection
                ("Data Source =.\\SQLEXPRESS; Initial Catalog = lab6; Integrated
Security = True; Pooling = False");

                try
                {
                    con.Open();

                    SqlCommand cmmd = new SqlCommand("SELECT * FROM clients", con);
                    SqlDataAdapter sda = new SqlDataAdapter();
                    DataTable dt = new DataTable();
                    sda.SelectCommand = cmmd;
                    sda.Fill(dt);
                    GridView1.DataSource = dt;
                    GridView1.DataBind();

                }
                catch (Exception ex)
                {
                    Response.Write(ex.ToString());
                }
                finally
                {
                    con.Close();
                }
            }

            protected void GridView1_RowDataBound(object sender, EventArgs e)
            {
            }

            protected void GridView1_SelectedIndexChanged(object sender, EventArgs e)
            {
            }
        }
    }
}
```



```

        string name = GridView1.SelectedRow.Cells[0].Text;
        string ID = GridView1.SelectedRow.Cells[1].Text;
        string course = GridView1.SelectedRow.Cells[2].Text;

        Session["Studentid"] = ID;
        Session["Studentname"] = name;
        Session["course"] = course;


        Response.Redirect("Update.aspx");
    }



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

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

```

Lab6 database  
table clients

	Name	Data Type	Allow Nulls
	Studentname	varchar(100)	<input type="checkbox"/>
	Studentid	varchar(100)	<input checked="" type="checkbox"/>
	course	varchar(150)	<input checked="" type="checkbox"/>
			<input type="checkbox"/>

	Studentname	Studentid	course
	iman	123	Computer Scie...
	iman1	1234	Mechanical En...
	iman12	1236	Aeronautical En...
	immm	2	Electrical Engin...
	NULL	NULL	NULL

Student info ui



### Student Info

Add New Student

Student Name	Student ID	Course	
iman	123	Computer Science	<a href="#">Select</a>
iman1	1234	Mechanical Engineering	<a href="#">Select</a>
iman12	1236	Aeronautical Engineering	<a href="#">Select</a>
immm	2	Electrical Engineering	<a href="#">Select</a>

Update ui

### Add New Student

Student Name :

Student ID :

Course :  ▼