**/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Program 1 : Create an ASP.NET Website that converts entered numbers to their corresponding words. [e.g. 1234 – One thousand two hundred and thirty four].**

**Reg No :211906**

**Date :14-02-2023**

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/**

**Calculation.cs:**

using System;

using System.Collections.Generic;

using System.Linq;

using System.Web;

namespace NumberToChar

{

public class Calculation

{

public static string NumberToWords(int number)

{

if (number == 0)

return "zero";

string words = "";

if((number / 1000000) > 0)

{

words += NumberToWords(number / 1000000) + " million";

number %= 1000000;

}

if ((number / 100000) > 0)

{

words += NumberToWords(number / 100000) + " lakh ";

number %= 100000;

}

if ((number / 1000) > 0)

{

words += NumberToWords(number / 1000) + " thousand";

number %= 1000;

}

if ((number / 100) > 0)

{

words += NumberToWords(number / 100) + " hundred";

number %= 100;

}

if (number > 0)

{

if (words != "")

words += " and ";

var unitsMap = new[] {"zero","one","two","three","four","five","six","seven","eight","nine","ten","eleven",

"twelve","thirteen","fourteen","fifteen","sixteen","seventeen","eighteen","nineteen"};

var tensMap = new[] { "zero", "ten", "twenty", "thirty", "fourty", "fifty", "sixty", "seventy", "eighty", "ninety" };

if (number < 20)

words += unitsMap[number];

else

{

words += tensMap[number / 10];

if ((number % 10) > 0)

words += "-" + unitsMap[number % 10];

}

}

return words;

}

}

}

**Number.aspx:**

<%@ Page Title="" Language="C#" MasterPageFile="~/Site.Master" AutoEventWireup="true" CodeBehind="number.aspx.cs" Inherits="NumberToChar.number" %>

<asp:Content ID="Content1" ContentPlaceHolderID="MainContent" runat="server">

<h1>Number to Word Convert</h1>

<table style="width: 100%;">

<tr>

<td style="height: 56px" ><h3><b>Enter a Number</b></h3></td>

<td style="height: 56px">

<asp:TextBox ID="txtNumber" runat="server" CssClass="form-control"></asp:TextBox>

</td>

</tr>

<tr>

<td >

<asp:Button ID="btnConvert" runat="server" Text="Convert" CssClass="btn btn-warning" OnClick="btnConvert\_Click" />

</td>

<td >

<asp:Button ID="btnReset" runat="server" Text="Reset" CssClass="btn btn-success" OnClick="btnReset\_Click" />

</td>

</tr>

<tr>

<td colspan="2" >

<asp:Label ID="lblResult" runat="server"></asp:Label>

</td>

</tr>

</table>

</asp:Content>

**Number.aspx.cs:**

using System;

using System.Collections.Generic;

using System.Linq;

using System.Web;

using System.Web.UI;

using System.Web.UI.WebControls;

namespace NumberToChar

{

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

{

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

{

}

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

{

txtNumber.Text = "";

lblResult.Text = "";

}

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

{

int num = int.Parse(txtNumber.Text);

string word = Calculation.NumberToWords(num);

lblResult.Text = word;

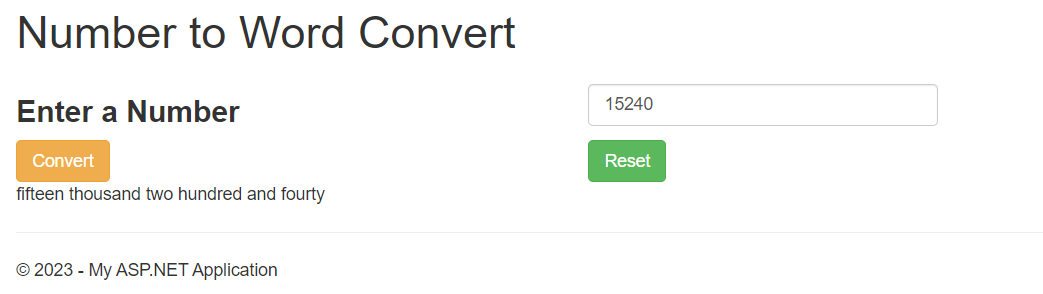
}

}

}

**OUTPUT:**





**/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Program 4 : Create an ASP.NET Website that performs CRUD Operations using the Connected Model of ADO.NET with appropriate validations and AJAX.**

**Reg No :211906**

**Date :14-02-2023**

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/**

**Display.aspx:**

<%@ Page Title="" Language="C#" MasterPageFile="~/Site.Master" AutoEventWireup="true" CodeBehind="display.aspx.cs" Inherits="studentDemo.display" %>

<asp:Content ID="Content1" ContentPlaceHolderID="MainContent" runat="server">

<h1 style="font-weight: bold">Student Details</h1>

<asp:GridView ID="gvstudent" runat="server" CssClass="table"></asp:GridView>

<a href="insert.aspx" class="btn btn-primary" >Insert</a>

<a href="update.aspx" class="btn btn-primary" >Update</a>

<a href="delete.aspx" class="btn btn-primary" >Delete</a>

</asp:Content>

**Display.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.SqlClient;

namespace studentDemo

{

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

{

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

{

SqlConnection con = new SqlConnection(@"Data Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=C:\Users\veiga\source\repos\studentDemo\studentDemo\App\_Data\StudentDB.mdf;Integrated Security=True");

con.Open();

SqlCommand cmd = new SqlCommand("SELECT \* FROM tblStudent", con);

SqlDataReader dr = cmd.ExecuteReader();

gvstudent.DataSource = dr;

gvstudent.DataBind();

}

}

}

**Insert.aspx:**

<%@ Page Title="" Language="C#" MasterPageFile="~/Site.Master" AutoEventWireup="true" CodeBehind="insert.aspx.cs" Inherits="studentDemo.insert" %>

<asp:Content ID="Content1" ContentPlaceHolderID="MainContent" runat="server">

<h1 style="font-weight: bold">Add a New Student</h1>

<table class="table">

<tr>

<td style="font-weight: bold; font-size: medium" >Enter Student Name</td>

<td>

<asp:TextBox ID="txtName" runat="server" CssClass="form-control"></asp:TextBox>

</td>

<td>&nbsp;</td>

</tr>

<tr>

<td style="font-weight: bold; font-size: medium">Enter Student Course</td>

<td>

<asp:DropDownList ID="ddlcourse" runat="server" CssClass="form-control">

<asp:ListItem>Select</asp:ListItem>

<asp:ListItem>MSc ST</asp:ListItem>

<asp:ListItem>MCA</asp:ListItem>

<asp:ListItem>MSc BDA</asp:ListItem>

<asp:ListItem>MBA</asp:ListItem>

</asp:DropDownList>

</td>

<td>&nbsp;</td>

</tr>

<tr>

<td style="font-weight: bold; font-size: medium">Enter Year Of Joining</td>

<td>

<asp:TextBox ID="txtYOJ" runat="server" CssClass="form-control" TextMode="Number"></asp:TextBox>

</td>

<td>&nbsp;</td>

</tr>

<tr>

<td>&nbsp;</td>

<td>

<asp:Button ID="btnAdd" runat="server" CssClass="btn btn-primary" OnClick="btnAdd\_Click" Text="Add A student" />

</td>

<td>&nbsp;</td>

</tr>

</table>

</asp:Content>

**Insert.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.SqlClient;

namespace studentDemo

{

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

{

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

{

}

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

{

string sname = txtName.Text;

string course = ddlcourse.SelectedValue;

int yoj = int.Parse(txtYOJ.Text);

SqlConnection con = new SqlConnection(@"Data Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=C:\Users\veiga\source\repos\studentDemo\studentDemo\App\_Data\StudentDB.mdf;Integrated Security=True");

con.Open();

SqlCommand cmd = new SqlCommand(" INSERT INTO tblStudent(student\_name,student\_course,student\_yoj)VALUES('" + sname +"' , '" + course +"',"+yoj +")",con);

if (cmd.ExecuteNonQuery() > 0)

{

Response.Redirect("display.aspx");

}

}

}

}

**Update.aspx:**

<%@ Page Title="" Language="C#" MasterPageFile="~/Site.Master" AutoEventWireup="true" CodeBehind="update.aspx.cs" Inherits="studentDemo.update" %>

<asp:Content ID="Content1" ContentPlaceHolderID="MainContent" runat="server">

<h1 style="font-weight: bold">Update a Student</h1>

<table class="table">

<tr>

<td style="font-weight: bold; font-style: normal; font-size: medium;" >Choose a Student</td>

<td>

<asp:DropDownList ID="ddlStudents" runat="server" CssClass="form-control" AutoPostBack="True" OnSelectedIndexChanged="ddlStudents\_SelectedIndexChanged">

</asp:DropDownList>

</td>

<td>&nbsp;</td>

</tr>

<tr>

<td style="font-weight: bold; font-style: normal; font-size: medium;" >Enter Student Name</td>

<td>

<asp:TextBox ID="txtName" runat="server" CssClass="form-control"></asp:TextBox>

</td>

<td>&nbsp;</td>

</tr>

<tr>

<td style="font-weight: bold; font-style: normal; font-size: medium;">Enter Stiudent Course</td>

<td>

<asp:DropDownList ID="ddlcourse" runat="server" CssClass="form-control">

<asp:ListItem>Select</asp:ListItem>

<asp:ListItem>MSc ST</asp:ListItem>

<asp:ListItem>MCA</asp:ListItem>

<asp:ListItem>MSc BDA</asp:ListItem>

<asp:ListItem>MBA</asp:ListItem>

</asp:DropDownList>

</td>

<td>&nbsp;</td>

</tr>

<tr>

<td style="font-weight: bold; font-style: normal; font-size: medium;">Enter Year Of Joining</td>

<td>

<asp:TextBox ID="txtYOJ" runat="server" CssClass="form-control" TextMode="Number"></asp:TextBox>

</td>

<td>&nbsp;</td>

</tr>

<tr>

<td>&nbsp;</td>

<td>

<asp:Button ID="btnUpdate" runat="server" CssClass="btn btn-primary" Text="Update A student" OnClick="btnUpdate\_Click" />

</td>

<td>&nbsp;</td>

</tr>

</table>

</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.SqlClient;

namespace studentDemo

{

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

{

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

{

if (!IsPostBack)

{

SqlConnection con = new SqlConnection(@"Data Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=C:\Users\veiga\source\repos\studentDemo\studentDemo\App\_Data\StudentDB.mdf;Integrated Security=True");

con.Open();

SqlCommand cmd = new SqlCommand("SELECT student\_id,student\_name FROM tblStudent", con);

SqlDataReader dr = cmd.ExecuteReader();

ddlStudents.DataSource = dr;

ddlStudents.DataTextField = "student\_name";

ddlStudents.DataValueField = "student\_id";

ddlStudents.DataBind();

ddlStudents.Items.Insert(0, "Select a Student");

}

}

static int regno;

protected void ddlStudents\_SelectedIndexChanged(object sender, EventArgs e)

{

regno = int.Parse(ddlStudents.SelectedValue);

SqlConnection con = new SqlConnection(@"Data Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=C:\Users\veiga\source\repos\studentDemo\studentDemo\App\_Data\StudentDB.mdf;Integrated Security=True");

con.Open();

SqlCommand cmd = new SqlCommand("SELECT \* FROM tblStudent WHERE student\_id =" + regno, con);

SqlDataReader dr = cmd.ExecuteReader();

while (dr.Read())

{

txtName.Text = dr.GetString(1);

ddlcourse.SelectedValue = dr.GetString(2);

txtYOJ.Text = dr.GetInt32(3).ToString();

}

}

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

{

string sname = txtName.Text;

string course = ddlcourse.SelectedValue;

int yoj = int.Parse(txtYOJ.Text);

SqlConnection con = new SqlConnection(@"Data Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=C:\Users\veiga\source\repos\studentDemo\studentDemo\App\_Data\StudentDB.mdf;Integrated Security=True");

con.Open();

SqlCommand cmd = new SqlCommand(" UPDATE tblStudent SET student\_name ='" + sname + "', student\_course='" + course + " ',student\_yoj=" + yoj + " WHERE student\_id=" + regno, con);

if (cmd.ExecuteNonQuery() > 0)

{

Response.Redirect("display.aspx");

}

}

}

}

**Delete.aspx:**

<%@ Page Title="" Language="C#" MasterPageFile="~/Site.Master" AutoEventWireup="true" CodeBehind="delete.aspx.cs" Inherits="studentDemo.delete" %>

<asp:Content ID="Content1" ContentPlaceHolderID="MainContent" runat="server">

<h1 style="color: #000000; font-weight: bold">Delete a Student</h1>

<table class="table">

<tr>

<td style="font-size: medium; font-weight: bold" >Choose a Student</td>

<td>

<asp:DropDownList ID="ddlStudents" runat="server" CssClass="form-control" AutoPostBack="True" OnSelectedIndexChanged="ddlStudents\_SelectedIndexChanged">

</asp:DropDownList>

</td>

<td>&nbsp;</td>

</tr>

<tr>

<td style="font-size: medium; font-weight: bold" >Enter Student Name</td>

<td>

<asp:TextBox ID="txtName" runat="server" CssClass="form-control"></asp:TextBox>

</td>

<td>&nbsp;</td>

</tr>

<tr>

<td style="font-size: medium; font-weight: bold">Enter Stiudent Course</td>

<td>

<asp:DropDownList ID="ddlcourse" runat="server" CssClass="form-control" AutoPostBack="True">

<asp:ListItem>Select</asp:ListItem>

<asp:ListItem>MSc ST</asp:ListItem>

<asp:ListItem>MCA</asp:ListItem>

<asp:ListItem>MSc BDA</asp:ListItem>

<asp:ListItem>MBA</asp:ListItem>

</asp:DropDownList>

</td>

<td>&nbsp;</td>

</tr>

<tr>

<td style="font-size: medium; font-weight: bold">Enter Year Of Joining</td>

<td>

<asp:TextBox ID="txtYOJ" runat="server" CssClass="form-control" TextMode="Number"></asp:TextBox>

</td>

<td>&nbsp;</td>

</tr>

<tr>

<td>&nbsp;</td>

<td>

<asp:Button ID="btnUpdate" runat="server" CssClass="btn btn-primary" Text="Delete A student" OnClick="btnUpdate\_Click" />

</td>

<td>&nbsp;</td>

</tr>

</table>

</asp:Content>

**Delete.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.SqlClient;

namespace studentDemo

{

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

{

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

{

if (!IsPostBack)

{

SqlConnection con = new SqlConnection(@"Data Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=C:\Users\veiga\source\repos\studentDemo\studentDemo\App\_Data\StudentDB.mdf;Integrated Security=True");

con.Open();

SqlCommand cmd = new SqlCommand("SELECT student\_id,student\_name FROM tblStudent", con);

SqlDataReader dr = cmd.ExecuteReader();

ddlStudents.DataSource = dr;

ddlStudents.DataTextField = "student\_name";

ddlStudents.DataValueField = "student\_id";

ddlStudents.DataBind();

ddlStudents.Items.Insert(0, "Select a Student");

}

}

static int regno;

protected void ddlStudents\_SelectedIndexChanged(object sender, EventArgs e)

{

regno = int.Parse(ddlStudents.SelectedValue);

SqlConnection con = new SqlConnection(@"Data Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=C:\Users\veiga\source\repos\studentDemo\studentDemo\App\_Data\StudentDB.mdf;Integrated Security=True");

con.Open();

SqlCommand cmd = new SqlCommand("SELECT \* FROM tblStudent WHERE student\_id =" + regno, con);

SqlDataReader dr = cmd.ExecuteReader();

while (dr.Read())

{

txtName.Text = dr.GetString(1);

ddlcourse.SelectedValue = dr.GetString(2);

txtYOJ.Text = dr.GetInt32(3).ToString();

}

}

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

{

SqlConnection con = new SqlConnection(@"Data Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=C:\Users\veiga\source\repos\studentDemo\studentDemo\App\_Data\StudentDB.mdf;Integrated Security=True");

con.Open();

SqlCommand cmd = new SqlCommand("DELETE FROM tblStudent WHERE student\_id= "+ regno , con);

if (cmd.ExecuteNonQuery() > 0)

{

Response.Redirect("display.aspx");

}

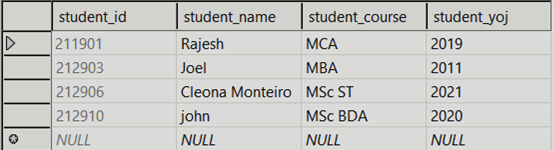
}

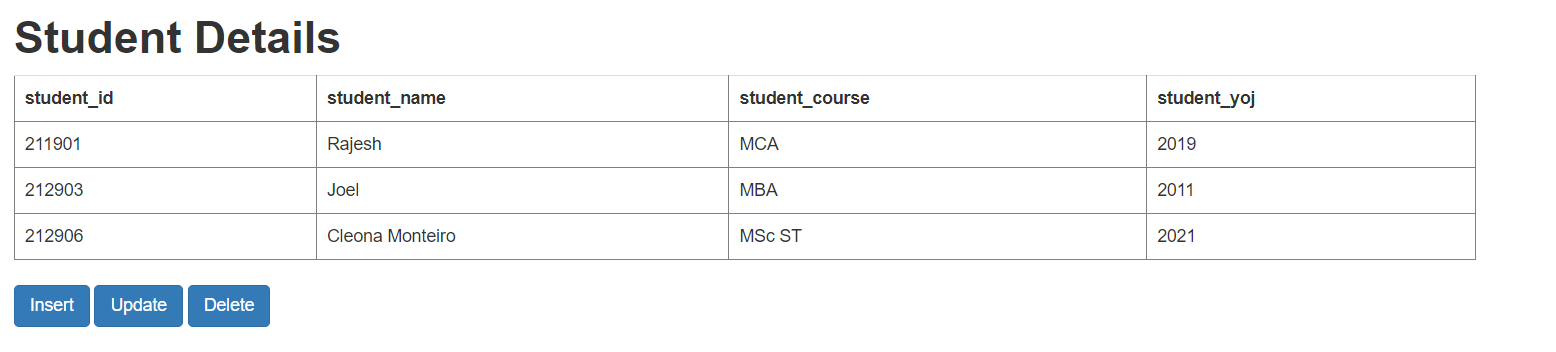
}

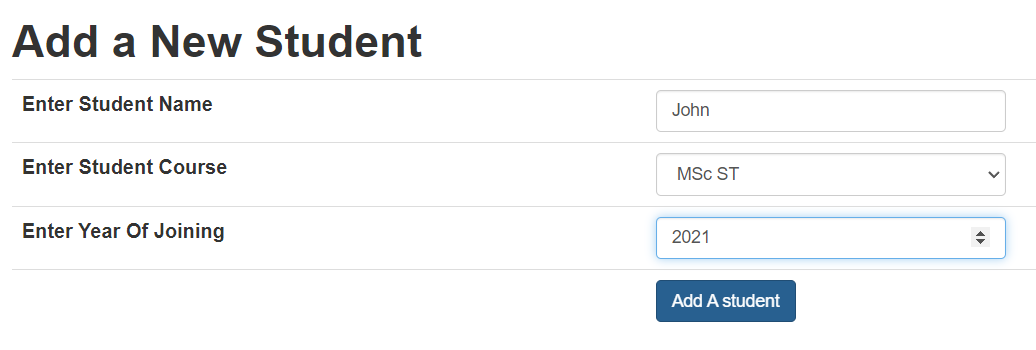
}

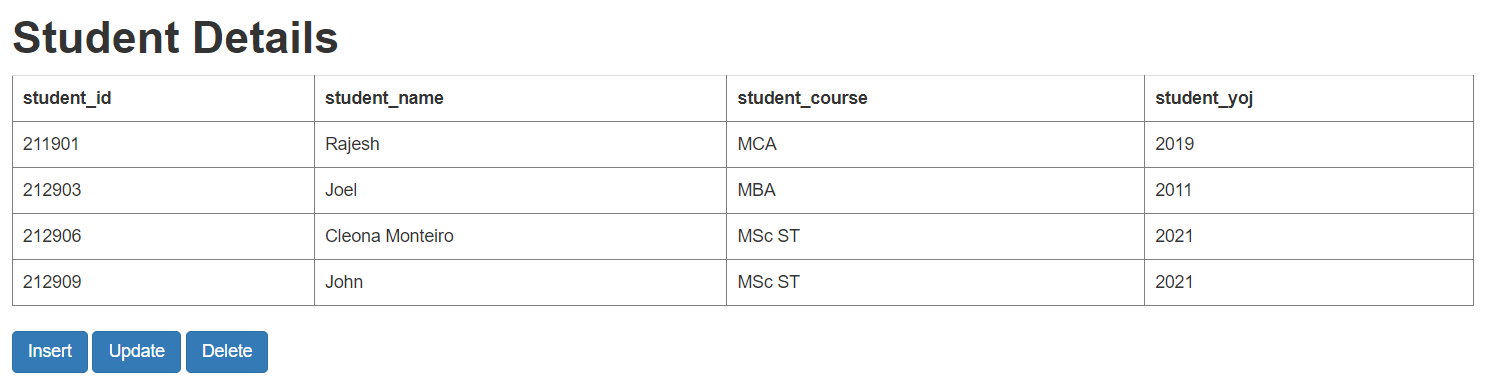
**OUTPUT:**

**Database:**

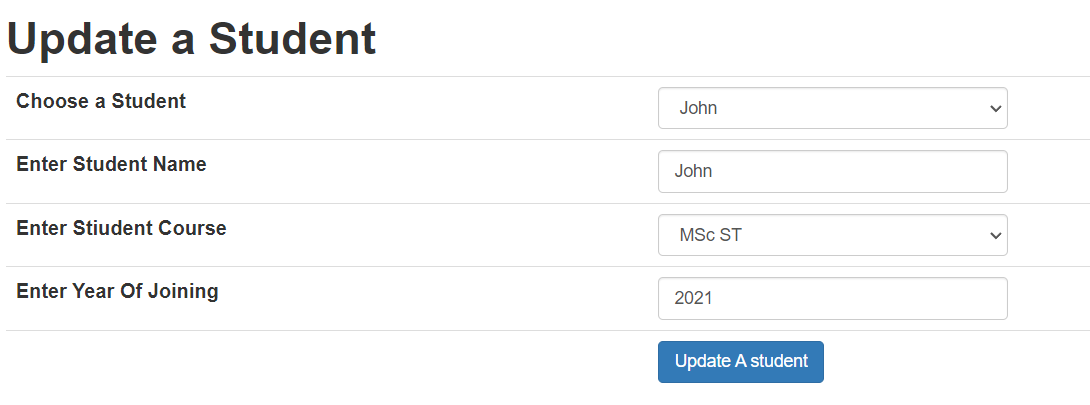


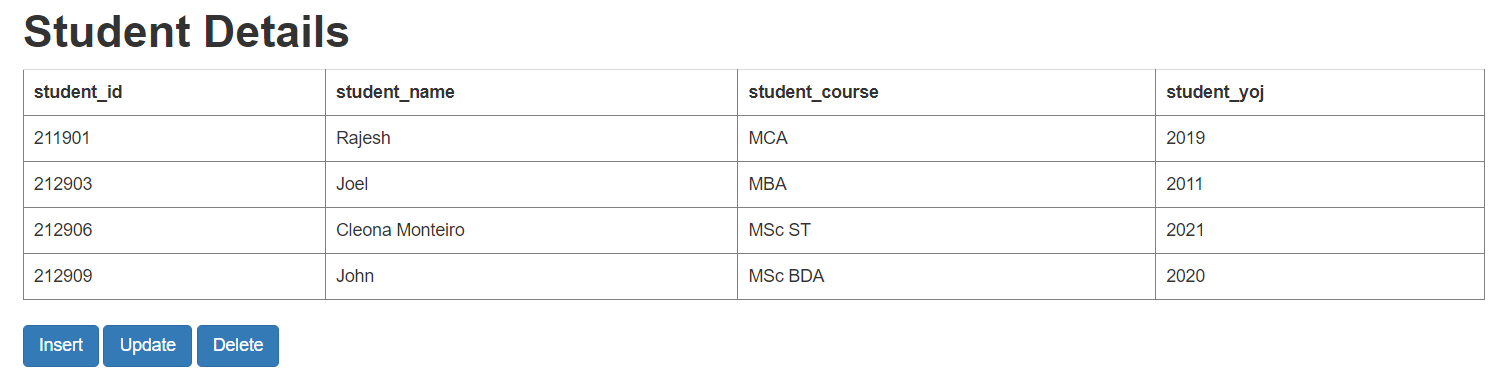
**Insert:**



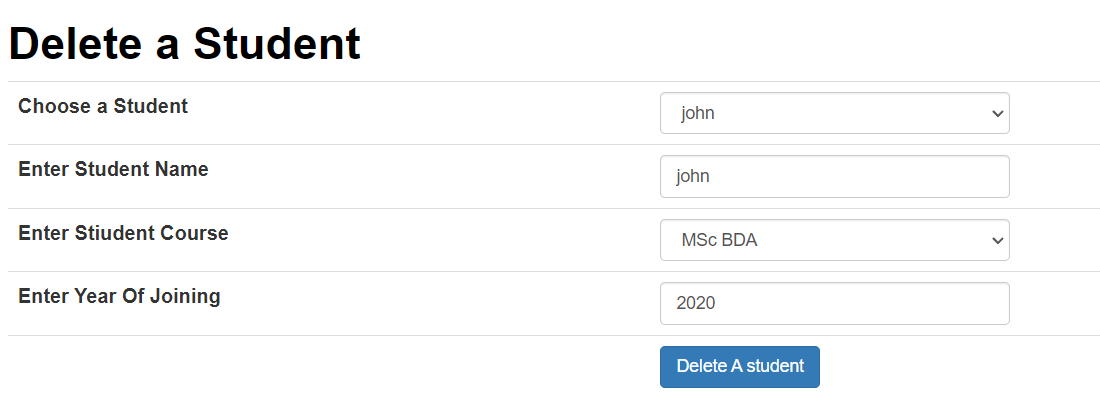


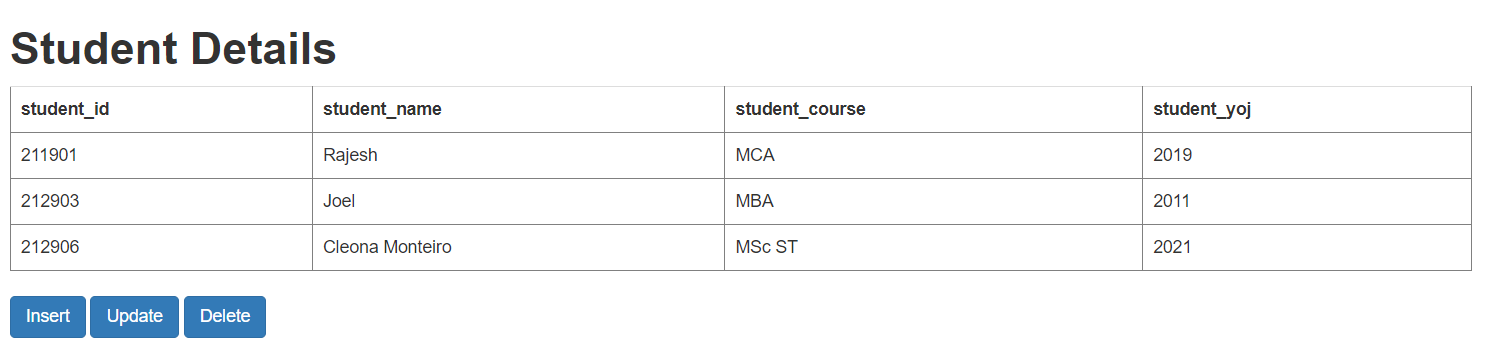
**Update:**





**Delete:**





**/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Program 5 :Create an ASP.NET Website that performs CRUD Operations using the Disconnected Model of ADO.NET with appropriate validations and AJAX.**

**Reg No :211906**

**Date :14-02-2023**

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/**

**Display.aspx:**

<%@ Page Title="" Language="C#" MasterPageFile="~/Site.Master" AutoEventWireup="true" CodeBehind="display.aspx.cs" Inherits="employeeDemo.display" %>

<asp:Content ID="Content1" ContentPlaceHolderID="MainContent" runat="server">

<h1 style="font-weight: bold">Employee Details</h1>

<asp:GridView ID="gvEmp" runat="server" CssClass="table"></asp:GridView>

<a href="insert.aspx" class="btn btn-primary" >Insert</a>

<a href="update.aspx" class="btn btn-primary" >Update</a>

<a href="delete.aspx" class="btn btn-primary" >Delete</a>

</asp:Content>

**Display.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.SqlClient;

using System.Data;

namespace employeeDemo

{

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

{

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

{

SqlConnection con = new SqlConnection(@"Data Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=C:\Users\veiga\source\repos\employeeDemo\employeeDemo\App\_Data\EmployeeDB.mdf;Integrated Security=True");

con.Open();

SqlDataAdapter da = new SqlDataAdapter("SELECT \* FROM tblEmployee",con);

DataSet ds = new DataSet();

da.Fill(ds);

con.Close();

gvEmp.DataSource = ds;

gvEmp.DataBind();

}

}

}

**Insert.aspx:**

<%@ Page Title="" Language="C#" MasterPageFile="~/Site.Master" AutoEventWireup="true" CodeBehind="insert.aspx.cs" Inherits="employeeDemo.insert" %>

<asp:Content ID="Content1" ContentPlaceHolderID="MainContent" runat="server">

<h1 style="font-weight: bold">Add a New Employee</h1>

<table class="table">

<tr>

<td style="font-weight: bold; font-size: medium" >Enter Employee Name</td>

<td>

<asp:TextBox ID="txtName" runat="server" CssClass="form-control"></asp:TextBox>

</td>

<td>&nbsp;</td>

</tr>

<tr>

<td style="font-weight: bold; font-size: medium">Enter Employee Designation</td>

<td>

<asp:TextBox ID="txtDesig" runat="server" CssClass="form-control"></asp:TextBox>

</td>

<td>&nbsp;</td>

</tr>

<tr>

<td style="font-weight: bold; font-size: medium">Enter Year Of Joining</td>

<td>

<asp:TextBox ID="txtYOJ" runat="server" CssClass="form-control" TextMode="Number"></asp:TextBox>

</td>

<td>&nbsp;</td>

</tr>

<tr>

<td>&nbsp;</td>

<td>

<asp:Button ID="btnAdd" runat="server" CssClass="btn btn-primary" OnClick="btnAdd\_Click" Text="Add A Employee" />

</td>

<td>&nbsp;</td>

</tr>

</table>

</asp:Content>

**Insert.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.SqlClient;

using System.Data;

namespace employeeDemo

{

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

{

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

{

}

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

{

string ename = txtName.Text;

string edesig = txtDesig.Text;

int yoj = int.Parse(txtYOJ.Text);

SqlConnection con = new SqlConnection(@"Data Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=C:\Users\veiga\source\repos\employeeDemo\employeeDemo\App\_Data\EmployeeDB.mdf;Integrated Security=True");

con.Open();

SqlDataAdapter da = new SqlDataAdapter(" INSERT INTO tblEmployee(employeeName,employee\_desig,employee\_yoj)VALUES('" + ename + "' , '" + edesig + "'," + yoj + ")", con);

DataSet ds = new DataSet();

da.Fill(ds);

con.Close();

Response.Redirect("display.aspx");

}

}

}

**Update.aspx:**

<%@ Page Title="" Language="C#" MasterPageFile="~/Site.Master" AutoEventWireup="true" CodeBehind="update.aspx.cs" Inherits="employeeDemo.update" %>

<asp:Content ID="Content1" ContentPlaceHolderID="MainContent" runat="server">

<h1 style="font-weight: bold">Update a Employee</h1>

<table class="table">

<tr>

<td style="font-weight: bold; font-size: medium" >Choose an Employee</td>

<td>

<asp:DropDownList ID="ddlEmp" runat="server" CssClass="form-control" AutoPostBack="True" OnSelectedIndexChanged="ddlEmp\_SelectedIndexChanged">

</asp:DropDownList>

</td>

<td>&nbsp;</td>

</tr>

<tr>

<td style="font-weight: bold; font-size: medium" >Enter Employee Name</td>

<td>

<asp:TextBox ID="txtName" runat="server" CssClass="form-control"></asp:TextBox>

</td>

<td>&nbsp;</td>

</tr>

<tr>

<td style="font-weight: bold; font-size: medium">Enter Employee Designation</td>

<td>

<asp:TextBox ID="txtDesig" runat="server" CssClass="form-control"></asp:TextBox>

</td>

<td>&nbsp;</td>

</tr>

<tr>

<td style="font-weight: bold; font-size: medium">Enter Year Of Joining</td>

<td>

<asp:TextBox ID="txtYOJ" runat="server" CssClass="form-control" TextMode="Number"></asp:TextBox>

</td>

<td>&nbsp;</td>

</tr>

<tr>

<td>&nbsp;</td>

<td>

<asp:Button ID="btnUpdate" runat="server" CssClass="btn btn-primary" Text="Update A Employee" OnClick="btnUpdate\_Click" />

</td>

<td>&nbsp;</td>

</tr>

</table>

</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.SqlClient;

using System.Data;

namespace employeeDemo

{

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

{

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

{

if (!IsPostBack)

{

SqlConnection con = new SqlConnection(@"Data Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=C:\Users\veiga\source\repos\employeeDemo\employeeDemo\App\_Data\EmployeeDB.mdf;Integrated Security=True");

con.Open();

SqlDataAdapter da = new SqlDataAdapter("SELECT employeeID,employeeName FROM tblEmployee", con);

DataSet ds = new DataSet();

da.Fill(ds);

con.Close();

ddlEmp.DataSource = ds;

ddlEmp.DataTextField = "employeeName";

ddlEmp.DataValueField = "employeeID";

ddlEmp.DataBind();

ddlEmp.Items.Insert(0, "Select a Employee");

}

}

static int empid;

protected void ddlEmp\_SelectedIndexChanged(object sender, EventArgs e)

{

empid = int.Parse(ddlEmp.SelectedValue);

SqlConnection con = new SqlConnection(@"Data Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=C:\Users\veiga\source\repos\employeeDemo\employeeDemo\App\_Data\EmployeeDB.mdf;Integrated Security=True");

con.Open();

SqlDataAdapter da= new SqlDataAdapter("SELECT \* FROM tblEmployee WHERE employeeID =" + empid, con);

DataSet ds = new DataSet();

da.Fill(ds);

con.Close();

txtName.Text = ds.Tables[0].Rows[0][1].ToString();

txtDesig.Text = ds.Tables[0].Rows[0][2].ToString();

txtYOJ.Text = ds.Tables[0].Rows[0][3].ToString();

}

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

{

string ename = txtName.Text;

string edesig = txtDesig.Text;

int yoj = int.Parse(txtYOJ.Text);

SqlConnection con = new SqlConnection(@"Data Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=C:\Users\veiga\source\repos\employeeDemo\employeeDemo\App\_Data\EmployeeDB.mdf;Integrated Security=True");

con.Open();

SqlDataAdapter da = new SqlDataAdapter(" UPDATE tblEmployee SET employeeName ='" + ename + "', employee\_desig='" + edesig + " ',employee\_yoj=" + yoj + " WHERE employeeID=" + empid, con);

DataSet ds = new DataSet();

da.Fill(ds);

con.Close();

Response.Redirect("display.aspx");

}

}

}

**Delete.aspx:**

<%@ Page Title="" Language="C#" MasterPageFile="~/Site.Master" AutoEventWireup="true" CodeBehind="delete.aspx.cs" Inherits="employeeDemo.delete" %>

<asp:Content ID="Content1" ContentPlaceHolderID="MainContent" runat="server">

<h1 style="font-weight: bold">Delete a Employee</h1>

<table class="table">

<tr>

<td style="font-weight: bold; font-size: medium" >Choose an Employee</td>

<td>

<asp:DropDownList ID="ddlEmp" runat="server" CssClass="form-control" AutoPostBack="True" OnSelectedIndexChanged="ddlEmp\_SelectedIndexChanged">

</asp:DropDownList>

</td>

<td>&nbsp;</td>

</tr>

<tr>

<td style="font-weight: bold; font-size: medium" >Enter Employee Name</td>

<td>

<asp:TextBox ID="txtName" runat="server" CssClass="form-control"></asp:TextBox>

</td>

<td>&nbsp;</td>

</tr>

<tr>

<td style="font-weight: bold; font-size: medium">Enter Employee Designation</td>

<td>

<asp:TextBox ID="txtDesig" runat="server" CssClass="form-control"></asp:TextBox>

</td>

<td>&nbsp;</td>

</tr>

<tr>

<td style="font-weight: bold; font-size: medium">Enter Year Of Joining</td>

<td>

<asp:TextBox ID="txtYOJ" runat="server" CssClass="form-control" TextMode="Number"></asp:TextBox>

</td>

<td>&nbsp;</td>

</tr>

<tr>

<td>&nbsp;</td>

<td>

<asp:Button ID="btnDelete" runat="server" CssClass="btn btn-primary" Text="Delete A Employee" OnClick="btnDelete\_Click" />

</td>

<td>&nbsp;</td>

</tr>

</table>

</asp:Content>

**Delete.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.SqlClient;

using System.Data;

namespace employeeDemo

{

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

{

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

{

if (!IsPostBack)

{

SqlConnection con = new SqlConnection(@"Data Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=C:\Users\veiga\source\repos\employeeDemo\employeeDemo\App\_Data\EmployeeDB.mdf;Integrated Security=True");

con.Open();

SqlDataAdapter da = new SqlDataAdapter("SELECT employeeID,employeeName FROM tblEmployee", con);

DataSet ds = new DataSet();

da.Fill(ds);

con.Close();

ddlEmp.DataSource = ds;

ddlEmp.DataTextField = "employeeName";

ddlEmp.DataValueField = "employeeID";

ddlEmp.DataBind();

ddlEmp.Items.Insert(0, "Select a Employee");

}

}

static int empid;

protected void ddlEmp\_SelectedIndexChanged(object sender, EventArgs e)

{

empid = int.Parse(ddlEmp.SelectedValue);

SqlConnection con = new SqlConnection(@"Data Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=C:\Users\veiga\source\repos\employeeDemo\employeeDemo\App\_Data\EmployeeDB.mdf;Integrated Security=True");

con.Open();

SqlDataAdapter da = new SqlDataAdapter("SELECT \* FROM tblEmployee WHERE employeeID =" + empid, con);

DataSet ds = new DataSet();

da.Fill(ds);

con.Close();

txtName.Text = ds.Tables[0].Rows[0][1].ToString();

txtDesig.Text = ds.Tables[0].Rows[0][2].ToString();

txtYOJ.Text = ds.Tables[0].Rows[0][3].ToString();

}

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

{

SqlConnection con = new SqlConnection(@"Data Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=C:\Users\veiga\source\repos\employeeDemo\employeeDemo\App\_Data\EmployeeDB.mdf;Integrated Security=True");

con.Open();

SqlDataAdapter da = new SqlDataAdapter("DELETE FROM tblEmployee WHERE employeeID =" + empid, con);

DataSet ds = new DataSet();

da.Fill(ds);

con.Close();

Response.Redirect("display.aspx");

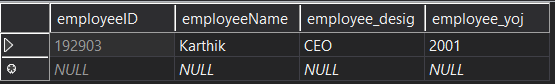
}

}

}

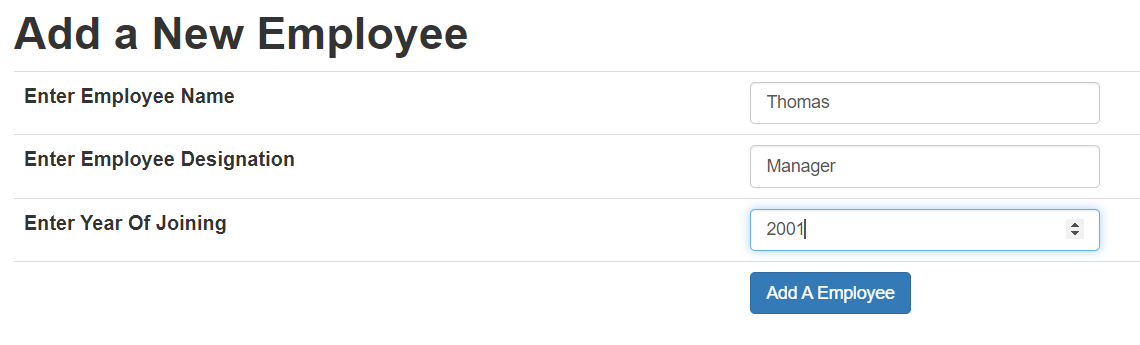
OUTPUT:

**Database:**





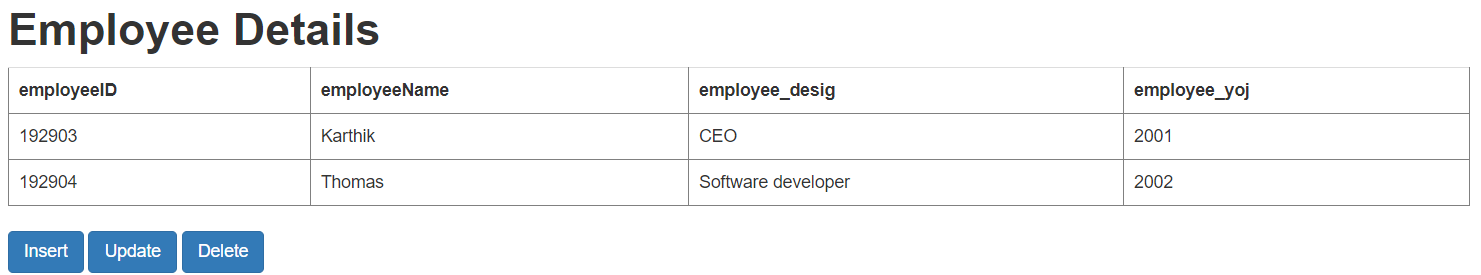
**Insert:**



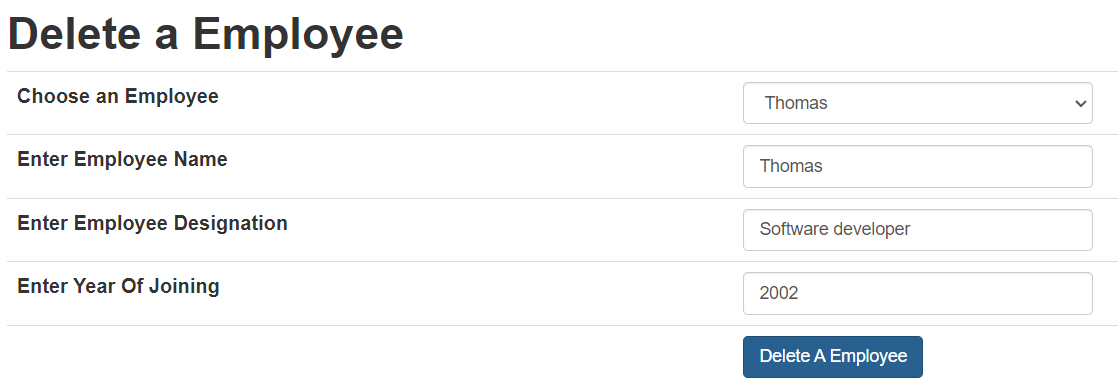


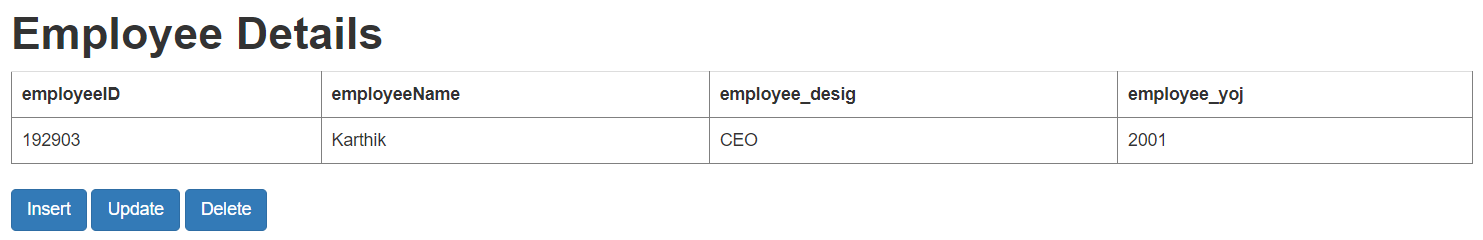
**Update:**





**Delete:**





**/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Program 6 : Create an ASP.NET Website that performs CRUD Operations using LINQ to SQL with appropriate validations and AJAX.**

**Reg No :211906**

**Date :14-02-2023**

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/**

**Display.aspx:**

<%@ Page Title="" Language="C#" MasterPageFile="~/Site.Master" AutoEventWireup="true"

CodeBehind="display.aspx.cs" Inherits="LINQcrud.display" %>

<asp:Content ID="Content1" ContentPlaceHolderID="MainContent" runat="server">

<h1>List of Employees</h1>

<asp:GridView ID="gvbooks" CssClass="table" runat="server" AutoGenerateColumns="False">

<Columns>

<asp:BoundField DataField="Id" HeaderText="Books ID" />

<asp:BoundField DataField="name" HeaderText="Book Name" />

<asp:BoundField DataField="author" HeaderText="Authour Name" />

<asp:BoundField DataField="price" HeaderText="Price" /> </Columns>

</asp:GridView>

</asp:Content>

**Display.aspx.cs:**

using System;

using System.Collections.Generic;

using System.Linq;

using System.Web;

using System.Web.UI;

using System.Web.UI.WebControls;

namespace LINQcrud

{ public partial class display : System.Web.UI.Page

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

{ bookLTSDataContext db = new bookLTSDataContext(); var res = from data in db.books select data; gvbooks.DataSource = res; gvbooks.DataBind();

}

}

}

**Insert.aspx:**

<%@ Page Title="" Language="C#" MasterPageFile="~/Site.Master" AutoEventWireup="true"

CodeBehind="insert.aspx.cs" Inherits="LINQcrud.insert" %>

<asp:Content ID="Content1" ContentPlaceHolderID="MainContent" runat="server"> <h1>Insert new employee</h1>

<table class="table table-hover">

<tr>

<td>Enter a book name:</td>

<td>

<asp:TextBox ID="nametxt" CssClass="form-control" runat="server"></asp:TextBox></td>

<td>

<asp:RequiredFieldValidator ID="RequiredFieldValidator1" runat="server"

ControlToValidate="nametxt" ErrorMessage="Name is required!!!" ForeColor="#993333" SetFocusOnError="True"></asp:RequiredFieldValidator> </td>

</tr>

<tr>

<td>Enter Author name:</td>

<td><asp:TextBox ID="authtxt" CssClass="form-control" runat="server"></asp:TextBox></td> <td>

<asp:RequiredFieldValidator ID="RequiredFieldValidator2" runat="server"

ControlToValidate="authtxt" ErrorMessage="Author is required!!!" ForeColor="#993333" SetFocusOnError="True"></asp:RequiredFieldValidator> </td>

</tr>

<tr>

<td>Enter Price:</td>

<td><asp:TextBox ID="pricetxt" CssClass="form-control" runat="server" TextMode="Number"></asp:TextBox></td>

<td>

<asp:RequiredFieldValidator ID="RequiredFieldValidator4" runat="server"

ControlToValidate="pricetxt" ErrorMessage="Price is required!!!" ForeColor="#993333" SetFocusOnError="True"></asp:RequiredFieldValidator> </td>

</tr>

<tr>

<td>

<asp:Button ID="btnsubmit" runat="server" CssClass="btn btn-success" Text="Submit"

OnClick="btnsubmit\_Click" /></td>

</tr>

</table> </asp:Content>

**Insert.aspx.cs:**

using System;

using System.Collections.Generic; using System.Linq;

using System.Web;

using System.Web.UI;

using System.Web.UI.WebControls;

namespace LINQcrud

{ public partial class insert : System.Web.UI.Page

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

{ }

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

{ bookLTSDataContext db = new bookLTSDataContext(); book row = new book(); row.name = nametxt.Text; row.author = authtxt.Text; row.price = int.Parse(pricetxt.Text); db.books.InsertOnSubmit(row); db.SubmitChanges();

Response.Redirect("display.aspx");

}

}

}

**Update.aspx:**

<%@ Page Title="" Language="C#" MasterPageFile="~/Site.Master" AutoEventWireup="true"

CodeBehind="update.aspx.cs" Inherits="LINQcrud.delete" %>

<asp:Content ID="Content1" ContentPlaceHolderID="MainContent" runat="server">

<asp:ScriptManagerProxy ID="ScriptManagerProxy1" runat="server"></asp:ScriptManagerProxy>

<h1>Update employee</h1>

<asp:UpdatePanel ID="UpdatePanel1" runat="server">

<ContentTemplate>

<table class="table table-hover">

<tr>

<td>Choose Book:</td>

<td>

<asp:DropDownList ID="bookddl" runat="server" AutoPostBack="True"

CssClass="form-control" OnSelectedIndexChanged="bookddl\_SelectedIndexChanged" > </asp:DropDownList>

</td>

</tr>

<tr>

<td>Enter a name:</td>

<td>

<asp:TextBox ID="nametxt" runat="server" CssClass="form-control"></asp:TextBox>

</td>

<td>

<asp:RequiredFieldValidator ID="RequiredFieldValidator1" runat="server"

ControlToValidate="nametxt" ErrorMessage="Name is required!!!" ForeColor="#993333" SetFocusOnError="True"></asp:RequiredFieldValidator>

</td>

</tr>

<tr>

<td>Enter Author name:</td>

<td>

<asp:TextBox ID="authtxt" runat="server" CssClass="form-control"></asp:TextBox>

</td>

<td>

<asp:RequiredFieldValidator ID="RequiredFieldValidator2" runat="server"

ControlToValidate="authtxt" ErrorMessage="Author name is required!!!" ForeColor="#993333" SetFocusOnError="True"></asp:RequiredFieldValidator>

</td>

</tr>

<tr>

<td>Enter price:</td>

<td>

<asp:TextBox ID="pricetxt" runat="server" CssClass="form-control" TextMode="Number"></asp:TextBox>

</td>

<td>

<asp:RequiredFieldValidator ID="RequiredFieldValidator4" runat="server"

ControlToValidate="pricetxt" ErrorMessage="Price is required!!!" ForeColor="#993333" SetFocusOnError="True"></asp:RequiredFieldValidator>

</td>

</tr>

<tr>

<td>

<asp:Button ID="btnsubmit" runat="server" CssClass="btn btn-success" Text="Submit"

OnClick="btnsubmit\_Click" />

</td>

<td>

<asp:Button ID="delbtn" runat="server" CssClass="btn btn-danger"

OnClientClick="return confirm('Are you sure!!')" Text="Delete" OnClick="delbtn\_Click" />

</td>

</tr>

</table>

</ContentTemplate>

</asp:UpdatePanel>

<p>

</p>

</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;

namespace LINQcrud

{ public partial class delete : System.Web.UI.Page

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

{

if (!IsPostBack)

{ using (bookLTSDataContext db = new bookLTSDataContext())

{ var result = from row in db.books select new { row.Id, row.name }; bookddl.DataSource = result.ToList(); bookddl.DataTextField = "name"; bookddl.DataValueField = "Id"; bookddl.DataBind(); bookddl.Items.Insert(0, "Select employee");

}

}

}

static int id;

protected void bookddl\_SelectedIndexChanged(object sender, EventArgs e)

{ using (bookLTSDataContext db = new bookLTSDataContext())

{ id = int.Parse(bookddl.SelectedValue); var res = (from data in db.books where data.Id == id select data).First(); nametxt.Text = res.name; authtxt.Text = res.author; pricetxt.Text = res.price.ToString();

} }

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

{ using (bookLTSDataContext db = new bookLTSDataContext())

{ id = int.Parse(bookddl.SelectedValue); book res = (from data in db.books where data.Id == id select data).First(); res.name = nametxt.Text; res.author = authtxt.Text; res.price = int.Parse(pricetxt.Text); db.SubmitChanges();

Response.Redirect("display.aspx");

} } protected void delbtn\_Click(object sender, EventArgs e)

{ bookLTSDataContext db = new bookLTSDataContext(); id = int.Parse(bookddl.SelectedValue); book row = (from data in db.books where data.Id == id select data).First(); db.books.DeleteOnSubmit(row); db.SubmitChanges();

Response.Redirect("display.aspx");

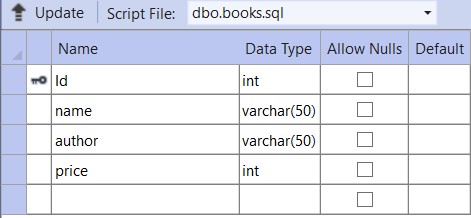
}

}

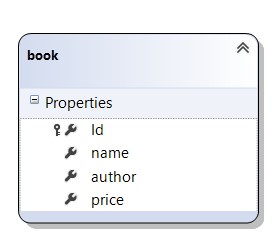
}

**Output:**

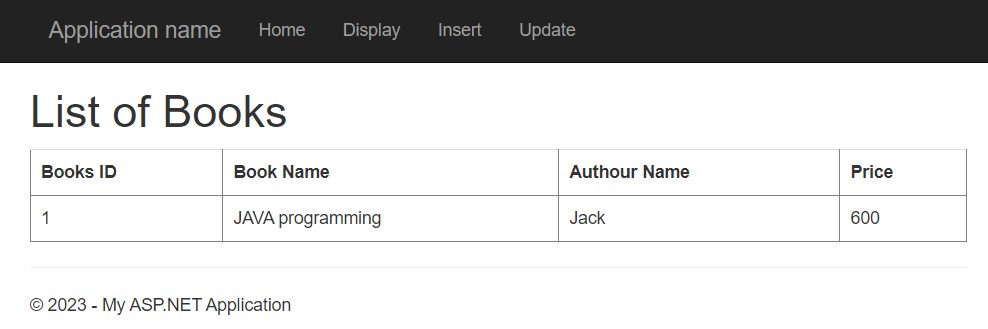
**Database:**



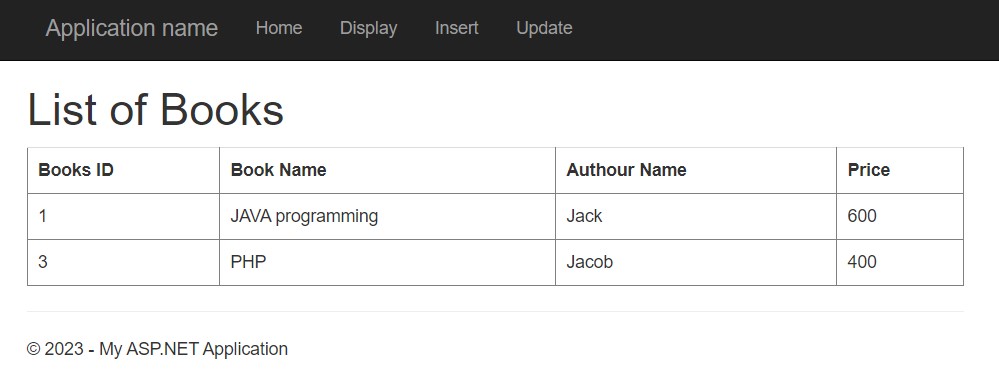
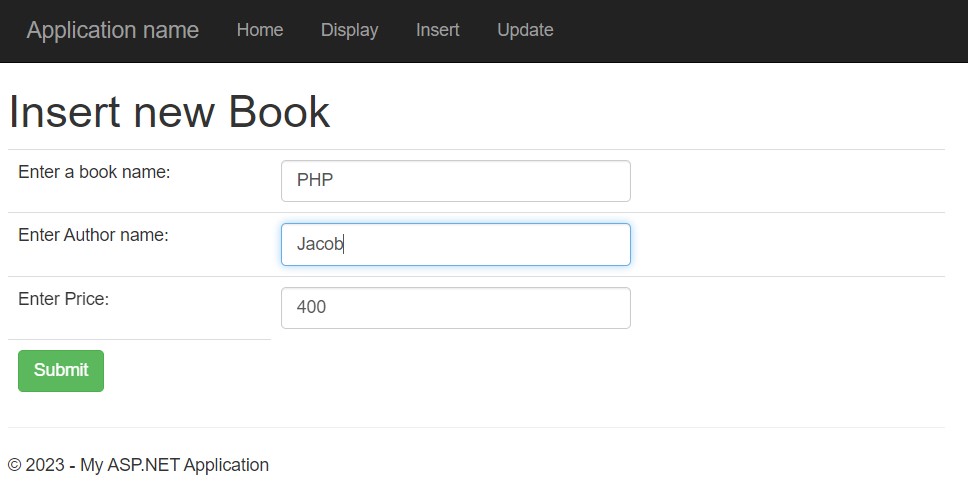
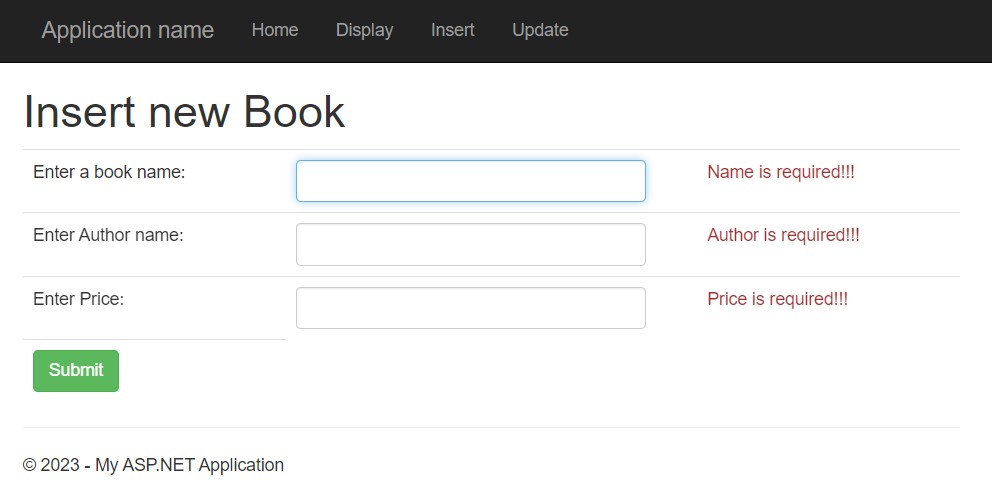
**LINQ to SQL class:**



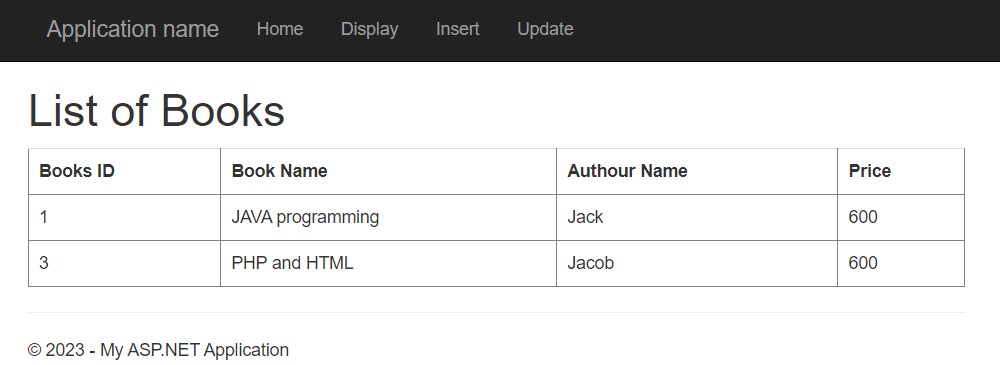
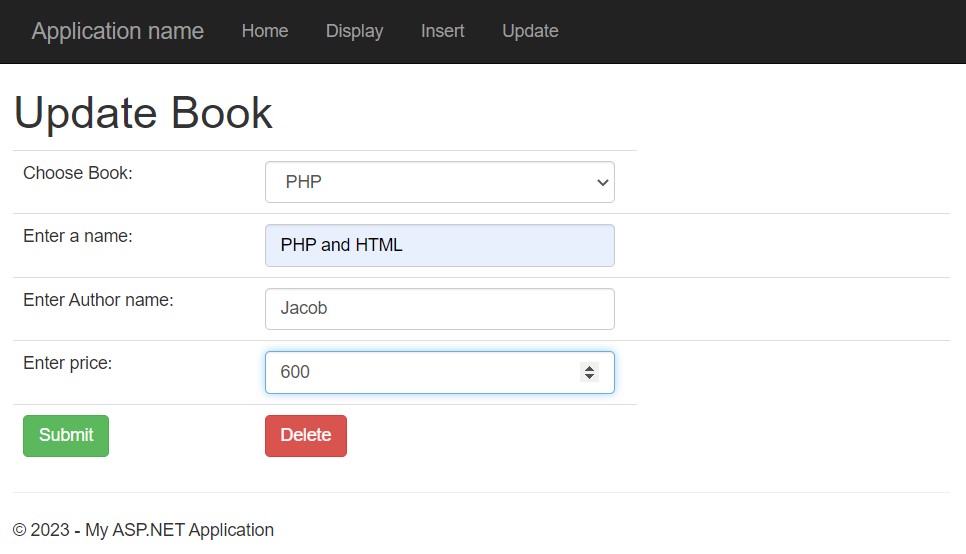
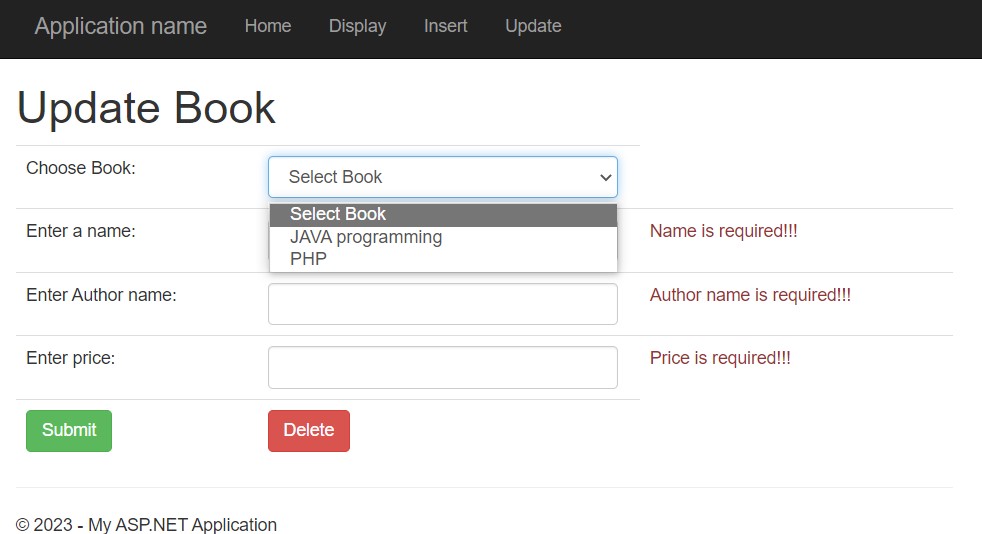
**Display:**



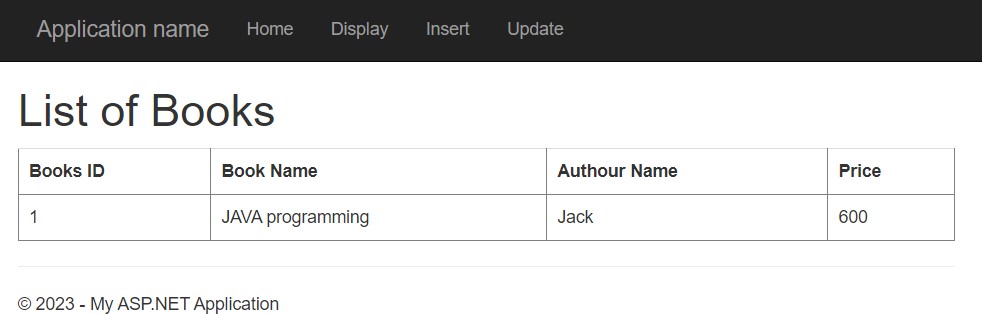
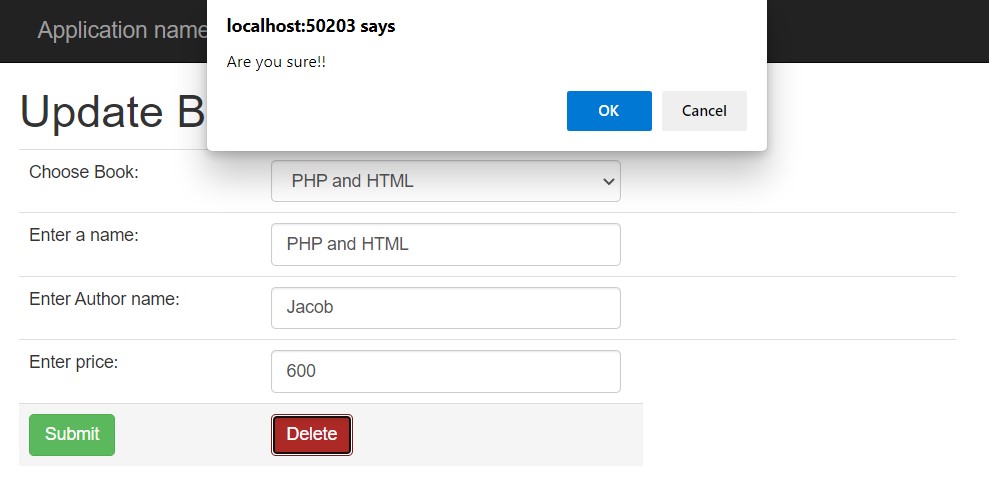
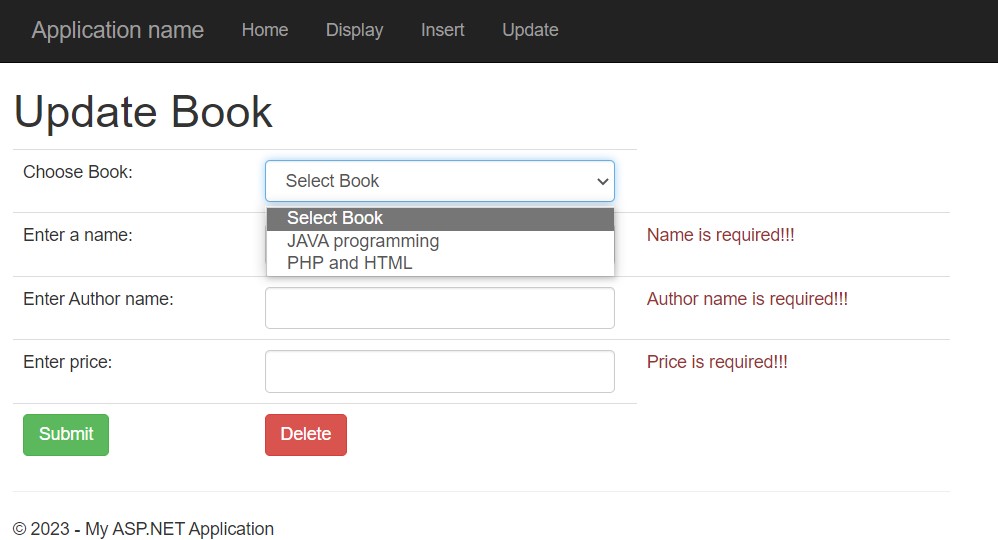
**Insert:**



**Update:**



**Delete:**



**/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Program 7 :** **Create an ASP.NET Website that performs CRUD Operations using the Entity Framework with appropriate validations and AJAX.**

**Reg No :211906**

**Date :14-02-2023**

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/**

**Display.aspx:**

<%@ Page Title="" Language="C#" MasterPageFile="~/Site.Master" AutoEventWireup="true"

CodeBehind="display.aspx.cs" Inherits="edm.display" %>

<asp:Content ID="Content1" ContentPlaceHolderID="MainContent" runat="server">

<h1>List of Employees</h1>

<asp:GridView ID="gvemp" CssClass="table" runat="server"></asp:GridView>

</asp:Content>

**Display.aspx.cs:**

using System;

using System.Collections.Generic; using System.Linq;

using System.Web;

using System.Web.UI;

using System.Web.UI.WebControls;

namespace edm

{ public partial class display : System.Web.UI.Page

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

{ using (Database1Entities db = new Database1Entities())

{ var data = from row in db.employees select row; gvemp.DataSource = data.ToList(); gvemp.DataBind();

}

}

}

}

**Insert.aspx:**

<%@ Page Title="" Language="C#" MasterPageFile="~/Site.Master" AutoEventWireup="true"

CodeBehind="insert.aspx.cs" Inherits="edm.insert" %>

<asp:Content ID="Content1" ContentPlaceHolderID="MainContent" runat="server">

<h1>Insert new employee</h1>

<table class="table table-hover">

<tr>

<td>Enter a name:</td>

<td>

<asp:TextBox ID="nametxt" CssClass="form-control" runat="server"></asp:TextBox></td>

<td>

<asp:RequiredFieldValidator ID="RequiredFieldValidator1" runat="server"

ControlToValidate="nametxt" ErrorMessage="Name is required!!!" ForeColor="#993333"

SetFocusOnError="True"></asp:RequiredFieldValidator> </td>

</tr>

<tr>

<td>Enter Designation</td>

<td><asp:TextBox ID="desgtxt" CssClass="form-control" runat="server"></asp:TextBox></td> <td>

<asp:RequiredFieldValidator ID="RequiredFieldValidator2" runat="server"

ControlToValidate="desgtxt" ErrorMessage="Designation is required!!!" ForeColor="#993333"

SetFocusOnError="True"></asp:RequiredFieldValidator> </td>

</tr>

<tr>

<td>Enter Email:</td>

<td><asp:TextBox ID="emailtxt" CssClass="form-control" runat="server"></asp:TextBox></td> <td>

<asp:RequiredFieldValidator ID="RequiredFieldValidator3" runat="server"

ControlToValidate="emailtxt" ErrorMessage="Email is required!!!" ForeColor="#993333"

SetFocusOnError="True"></asp:RequiredFieldValidator> </td>

</tr>

<tr>

<td>Enter Experience:</td>

<td><asp:TextBox ID="exptxt" CssClass="form-control" runat="server" TextMode="Number"></asp:TextBox></td>

<td>

<asp:RequiredFieldValidator ID="RequiredFieldValidator4" runat="server"

ControlToValidate="exptxt" ErrorMessage="Experience is required!!!" ForeColor="#993333"

SetFocusOnError="True"></asp:RequiredFieldValidator> </td>

</tr>

<tr>

<td>

<asp:Button ID="btnsubmit" runat="server" CssClass="btn btn-success" Text="Submit"

OnClick="btnsubmit\_Click" /></td>

</tr>

</table> </asp:Content>

**Insert.aspx.cs**:

using System;

using System.Collections.Generic; using System.Linq;

using System.Web;

using System.Web.UI;

using System.Web.UI.WebControls;

namespace edm

{ public partial class insert : System.Web.UI.Page

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

{

} protected void btnsubmit\_Click(object sender, EventArgs e)

{ string name = nametxt.Text; string desg = desgtxt.Text; string email = emailtxt.Text; int exp = int.Parse(exptxt.Text); using (Database1Entities db = new Database1Entities())

{ employee emp = new employee(); emp.name = name; emp.desg = desg; emp.email = email; emp.exp = exp; db.employees.Add(emp); db.SaveChanges();

Response.Redirect("display.aspx");

}

}

}

}

**Update.aspx:**

<%@ Page Title="" Language="C#" MasterPageFile="~/Site.Master" AutoEventWireup="true"

CodeBehind="update.aspx.cs" Inherits="edm.update" %>

<asp:Content ID="Content1" ContentPlaceHolderID="MainContent" runat="server">

<asp:ScriptManagerProxy ID="ScriptManagerProxy1" runat="server"></asp:ScriptManagerProxy>

<h1>Update employee</h1>

<asp:UpdatePanel ID="UpdatePanel1" runat="server">

<ContentTemplate>

<table class="table table-hover">

<tr>

<td>Choose employee:</td>

<td>

<asp:DropDownList ID="empddl" runat="server" AutoPostBack="True"

CssClass="form-control" OnSelectedIndexChanged="empddl\_SelectedIndexChanged"> </asp:DropDownList>

</td>

</tr>

<tr>

<td>Enter a name:</td>

<td>

<asp:TextBox ID="nametxt" runat="server" CssClass="form-control"></asp:TextBox>

</td>

<td>

<asp:RequiredFieldValidator ID="RequiredFieldValidator1" runat="server"

ControlToValidate="nametxt" ErrorMessage="Name is required!!!" ForeColor="#993333" SetFocusOnError="True"></asp:RequiredFieldValidator>

</td>

</tr>

<tr>

<td>Enter Designation</td>

<td>

<asp:TextBox ID="desgtxt" runat="server" CssClass="form-control"></asp:TextBox>

</td>

<td>

<asp:RequiredFieldValidator ID="RequiredFieldValidator2" runat="server"

ControlToValidate="desgtxt" ErrorMessage="Designation is required!!!" ForeColor="#993333" SetFocusOnError="True"></asp:RequiredFieldValidator>

</td>

</tr>

<tr>

<td>Enter Email:</td>

<td>

<asp:TextBox ID="emailtxt" runat="server" CssClass="form-control"></asp:TextBox> </td>

<td>

<asp:RequiredFieldValidator ID="RequiredFieldValidator3" runat="server"

ControlToValidate="emailtxt" ErrorMessage="Email is required!!!" ForeColor="#993333" SetFocusOnError="True"></asp:RequiredFieldValidator>

</td>

</tr>

<tr>

<td>Enter Experience:</td>

<td>

<asp:TextBox ID="exptxt" runat="server" CssClass="form-control" TextMode="Number"></asp:TextBox>

</td>

<td>

<asp:RequiredFieldValidator ID="RequiredFieldValidator4" runat="server"

ControlToValidate="exptxt" ErrorMessage="Experience is required!!!" ForeColor="#993333" SetFocusOnError="True"></asp:RequiredFieldValidator>

</td>

</tr>

<tr>

<td>

<asp:Button ID="btnsubmit" runat="server" CssClass="btn btn-success" OnClick="btnsubmit\_Click" Text="Submit" />

</td>

<td>

<asp:Button ID="delbtn" runat="server" CssClass="btn btn-danger"

OnClick="delbtn\_Click" OnClientClick="return confirm('Are you sure!!')" Text="Delete" /> </td>

</tr>

</table>

</ContentTemplate>

</asp:UpdatePanel>

<p>

</p>

</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;

namespace edm

{ public partial class update : System.Web.UI.Page

{

static int id; protected void Page\_Load(object sender, EventArgs e)

{

if (!IsPostBack)

{ using (Database1Entities db = new Database1Entities())

{ var result = from row in db.employees select new { row.Id, row.name }; empddl.DataSource = result.ToList(); empddl.DataTextField = "name"; empddl.DataValueField = "Id"; empddl.DataBind(); empddl.Items.Insert(0, "Select employee");

}

} }

protected void empddl\_SelectedIndexChanged(object sender, EventArgs e)

{ id = int.Parse(empddl.SelectedValue); using (Database1Entities db = new Database1Entities())

{ employee emp = (from row in db.employees where row.Id == id select row).First(); nametxt.Text = emp.name; desgtxt.Text = emp.desg; emailtxt.Text = emp.email; exptxt.Text = emp.exp.ToString();

} }

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

{ using (Database1Entities db = new Database1Entities())

{ employee emp = (from row in db.employees where row.Id == id select row).First(); emp.name = nametxt.Text; emp.desg = desgtxt.Text; emp.email = emailtxt.Text; emp.exp = int.Parse(exptxt.Text); db.SaveChanges();

Response.Redirect("display.aspx");

} }

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

{ using (Database1Entities db=new Database1Entities())

{ employee result = (from row in db.employees where row.Id == id select row).First(); db.employees.Remove(result); db.SaveChanges();

Response.Redirect("display.aspx");

}

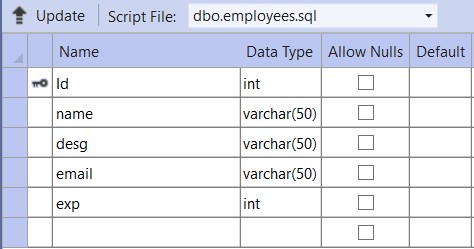
}

}

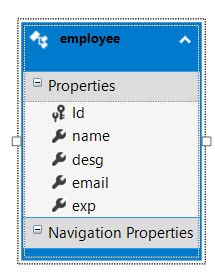
}

**Output:**

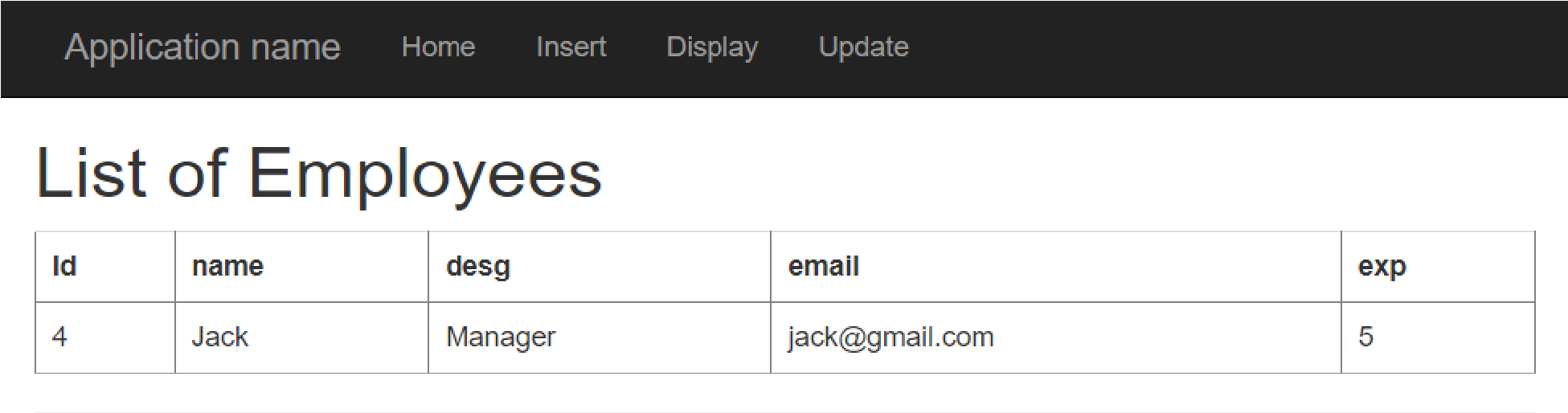
**Database:**



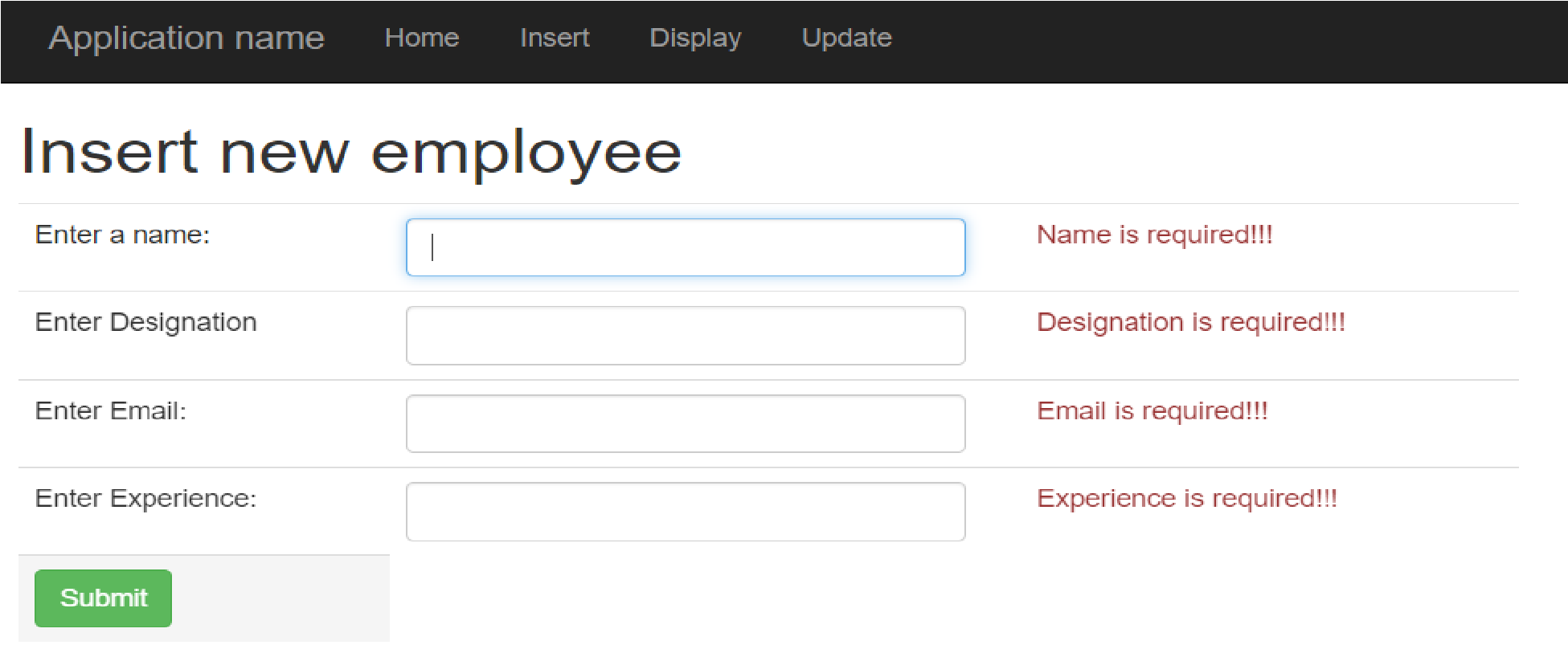
**Entity class:**

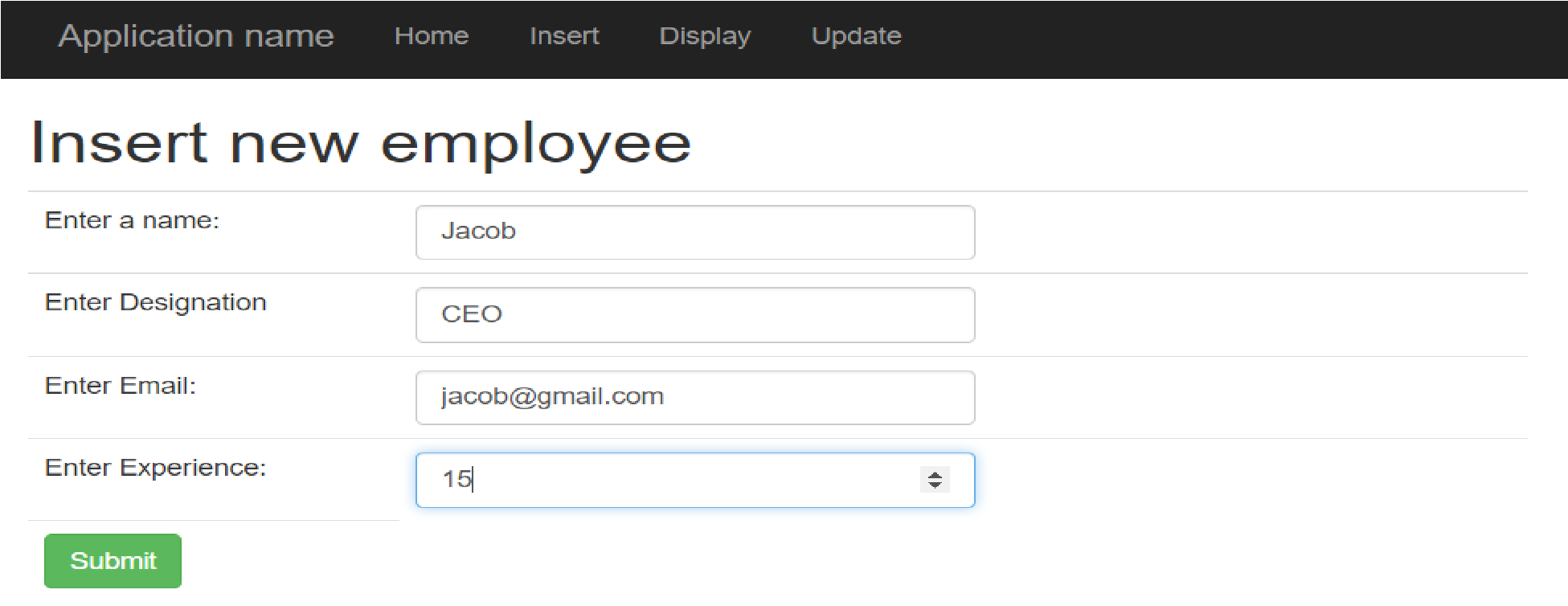


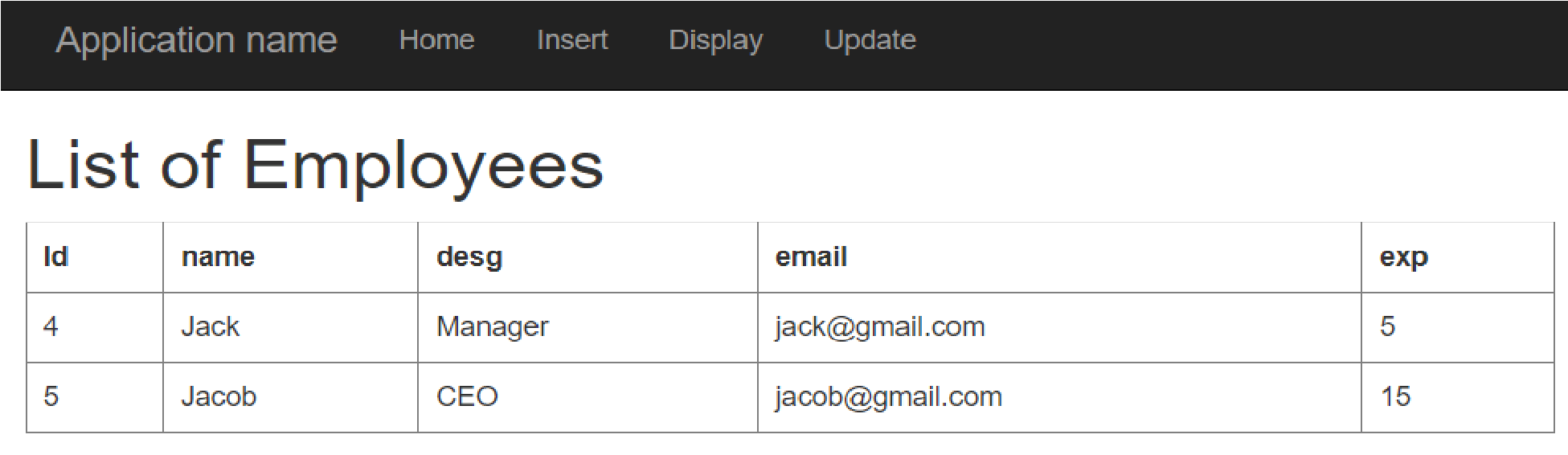
**Display:**



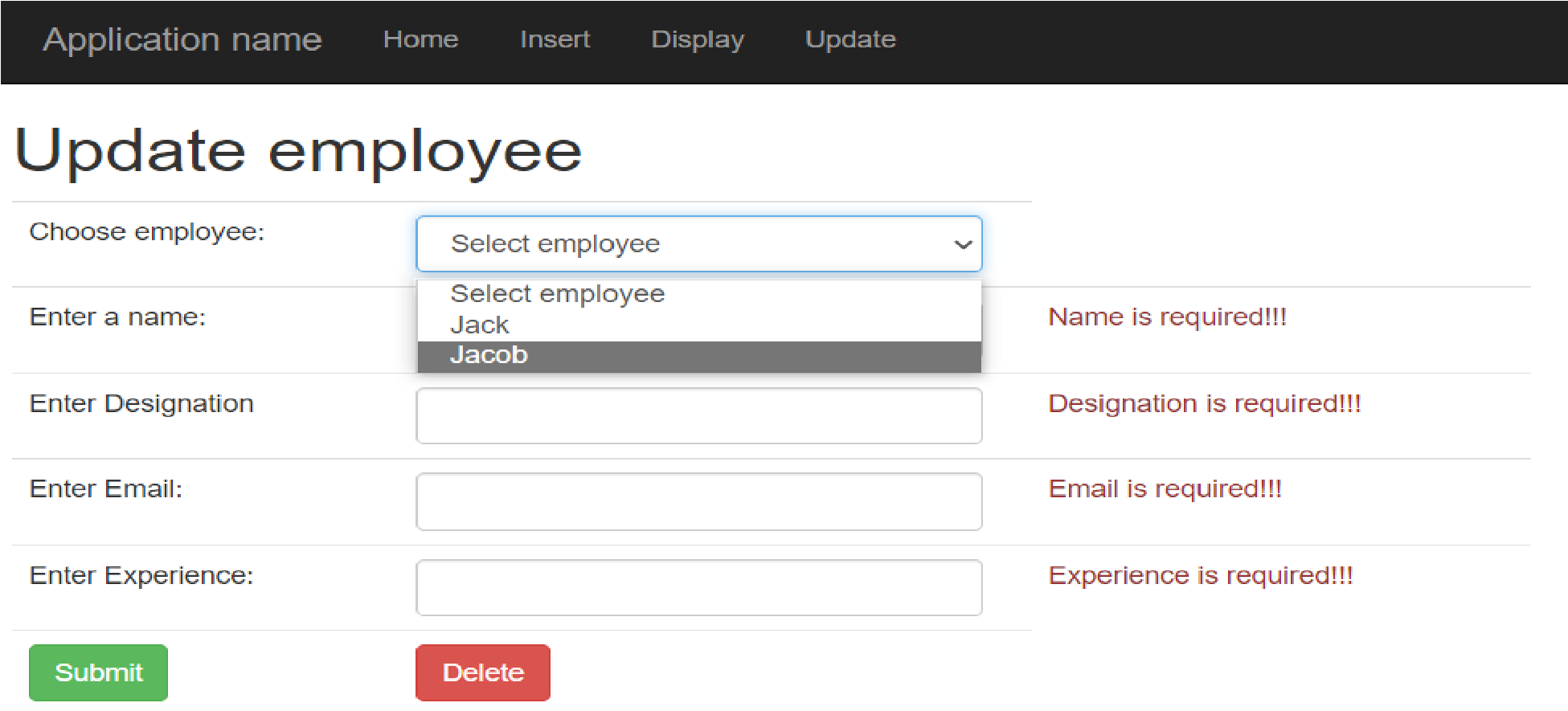
**Insert:**

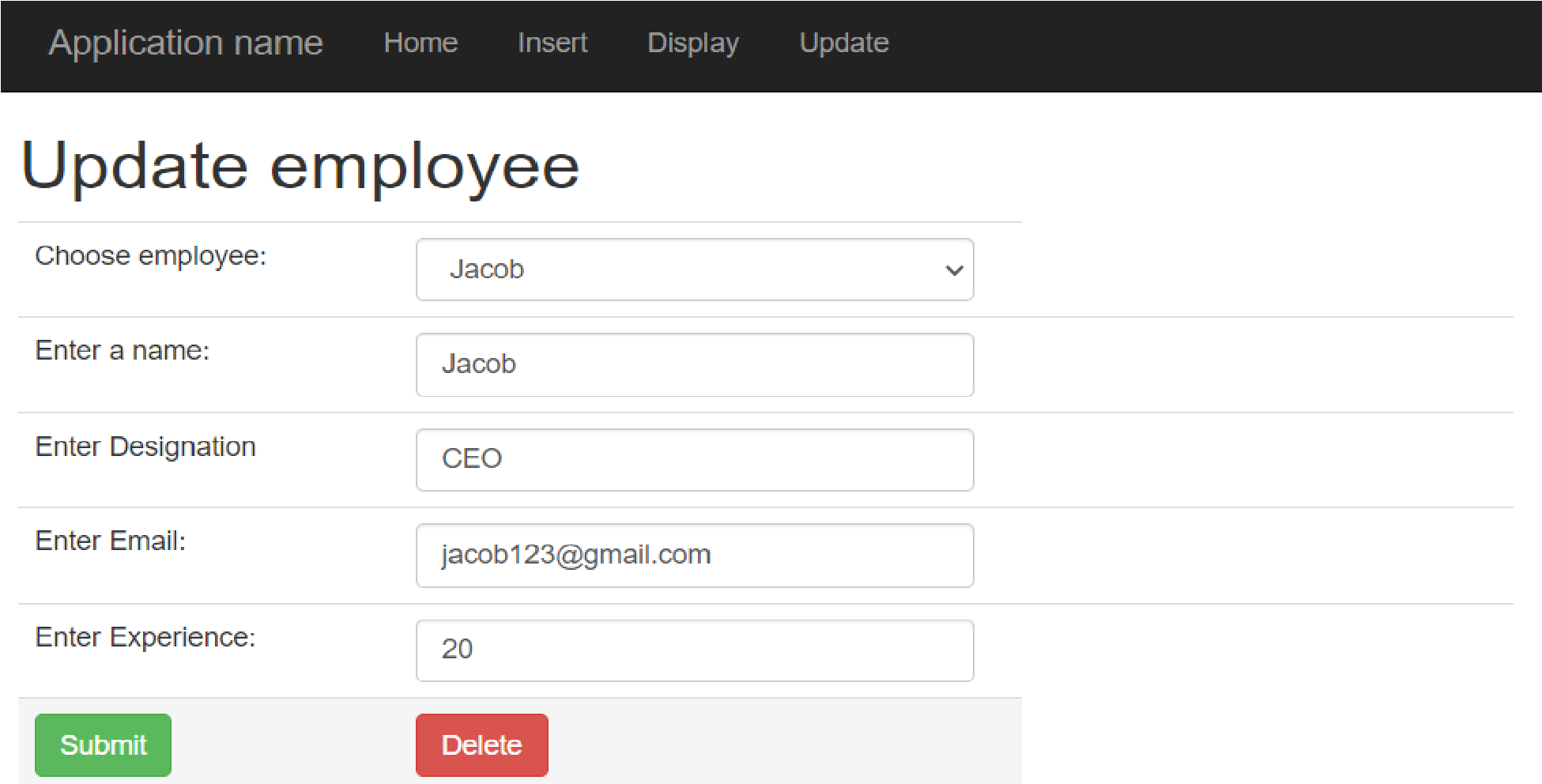


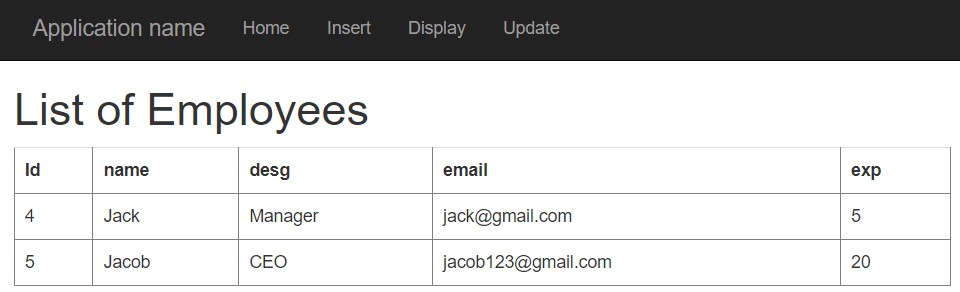




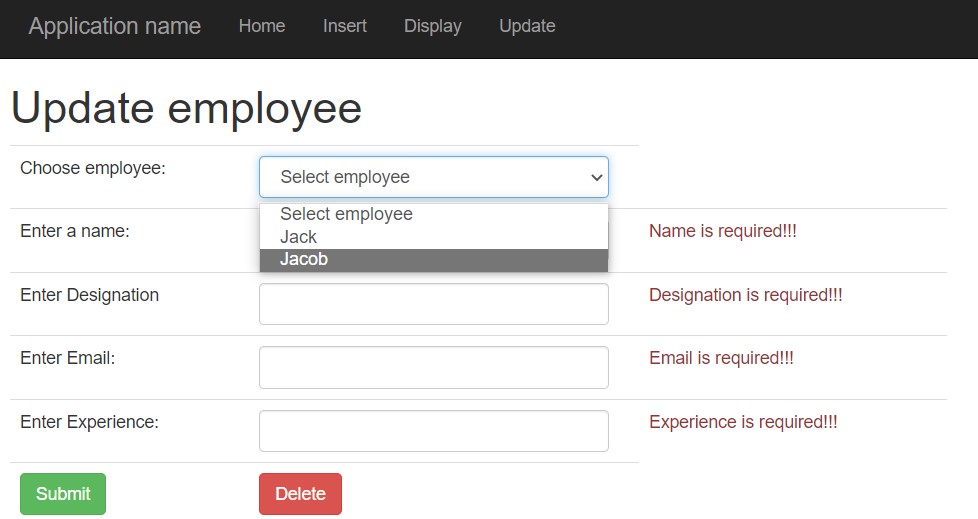
**Update:**

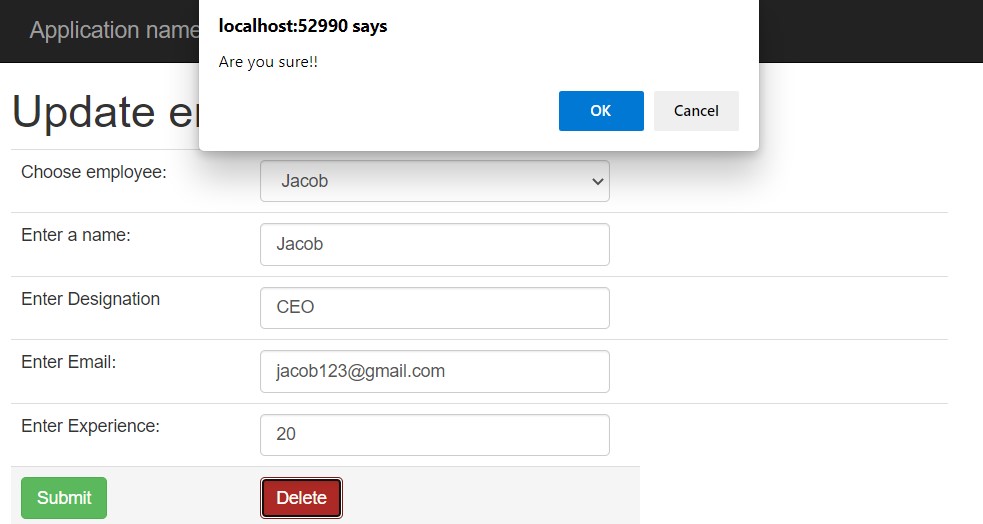


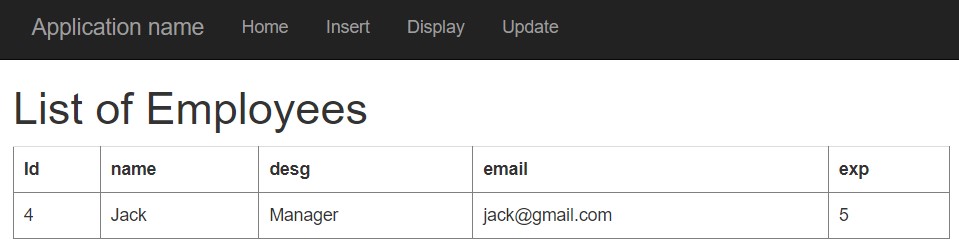




**Delete:**







**/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Program 8 : Create a Web Service using ASP.NET and consume an external Web Service in ASP.NET**

**Reg No :211906**

**Date :14-02-2023**

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/**

**Login.aspx:**

<%@ Page Title="" Language="C#" MasterPageFile="~/Site.Master" AutoEventWireup="true" CodeBehind="Login.aspx.cs" Inherits="WebService.Login" %>

<asp:Content ID="Content1" ContentPlaceHolderID="MainContent" runat="server">

<table style="width:100%;">

<tr>

<td>Enter Your Email Address</td>

<td>

<asp:TextBox ID="txtEmail" runat="server" CssClass="form-control"></asp:TextBox>

</td>

<td>&nbsp;</td>

</tr>

<tr>

<td>Enter Password</td>

<td>

<asp:TextBox ID="txtPswd" runat="server" CssClass="form-control" TextMode="Password"></asp:TextBox>

</td>

<td>&nbsp;</td>

</tr>

<tr>

<td>&nbsp;</td>

<td>

<asp:Button ID="btnlogin" runat="server" CssClass="btn btn-success" OnClick="btnlogin\_Click" Text="Login" />

</td>

<td>&nbsp;</td>

</tr>

<tr>

<td>&nbsp;</td>

<td>

<asp:Label ID="lblResult" runat="server" Font-Size="XX-Large"></asp:Label>

</td>

<td>&nbsp;</td>

</tr>

</table>

</asp:Content>

**Login.aspx.cs:**

using System;

using System.Collections.Generic;

using System.Linq;

using System.Web;

using System.Web.UI;

using System.Web.UI.WebControls;

namespace WebService

{

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

{

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

{

}

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

{

using (UsersDBEntities db = new UsersDBEntities())

{

tblUser user = (from row in db.tblUsers

where row.user\_email == txtEmail.Text && row.user\_pswd == txtPswd.Text

select row).SingleOrDefault();

if (user == null)

{

lblResult.Text = "Login Failed!! Inavalid Username/password";

lblResult.CssClass = "lbl lbl-danger";

}

else

{

lblResult.CssClass = "lbl lbl-success";

lblResult.Text = "Login Success!!";

}

}

}

}

}

**LoginWebService.asmx.cs:**

using System;

using System.Collections.Generic;

using System.Linq;

using System.Web;

using System.Web.Services;

namespace WebService

{

/// <summary>

/// Summary description for LoginWebService

/// </summary>

[WebService(Namespace = "http://tempuri.org/")]

[WebServiceBinding(ConformsTo = WsiProfiles.BasicProfile1\_1)]

[System.ComponentModel.ToolboxItem(false)]

// To allow this Web Service to be called from script, using ASP.NET AJAX, uncomment the following line.

// [System.Web.Script.Services.ScriptService]

public class LoginWebService : System.Web.Services.WebService

{

[WebMethod]

public string HelloWorld()

{

return "Hello World";

}

[WebMethod]

public bool MyLogin(string email,string password)

{

using (UsersDBEntities db = new UsersDBEntities())

{

tblUser user = (from row in db.tblUsers

where row.user\_email == email && row.user\_pswd == password

select row).SingleOrDefault();

if (user != null)

{

return true;

}

}

return false;

}

}

}

**EDMDemo:**

**Login.aspx:**

<%@ Page Title="" Language="C#" MasterPageFile="~/Site.Master" AutoEventWireup="true" CodeBehind="Login.aspx.cs" Inherits="EDMDemo.Login" %>

<asp:Content ID="Content1" ContentPlaceHolderID="MainContent" runat="server">

<table style="width:100%;">

<tr>

<td>Enter Your Email Address</td>

<td>

<asp:TextBox ID="txtEmail" runat="server" CssClass="form-control"></asp:TextBox>

</td>

<td>&nbsp;</td>

</tr>

<tr>

<td>Enter Password</td>

<td>

<asp:TextBox ID="txtPswd" runat="server" CssClass="form-control" TextMode="Password"></asp:TextBox>

</td>

<td>&nbsp;</td>

</tr>

<tr>

<td>&nbsp;</td>

<td>

<asp:Button ID="btnlogin" runat="server" CssClass="btn btn-success" OnClick="btnlogin\_Click" Text="Login" />

</td>

<td>&nbsp;</td>

</tr>

<tr>

<td>&nbsp;</td>

<td>

<asp:Label ID="lblResult" runat="server" Font-Size="XX-Large"></asp:Label>

</td>

<td>&nbsp;</td>

</tr>

</table>

</asp:Content>

**Loginaspx.cs:**

using System;

using System.Collections.Generic;

using System.Linq;

using System.Web;

using System.Web.UI;

using System.Web.UI.WebControls;

using EDMDemo.ServiceReference1;

namespace EDMDemo

{

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

{

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

{

}

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

{

LoginWebServiceSoapClient soapClient = new LoginWebServiceSoapClient();

string email = txtEmail.Text;

string password = txtPswd.Text;

if (soapClient.MyLogin(email, password))

{

lblResult.Text = "Login Success!!";

}

else

{

lblResult.Text = "Login Failed!!";

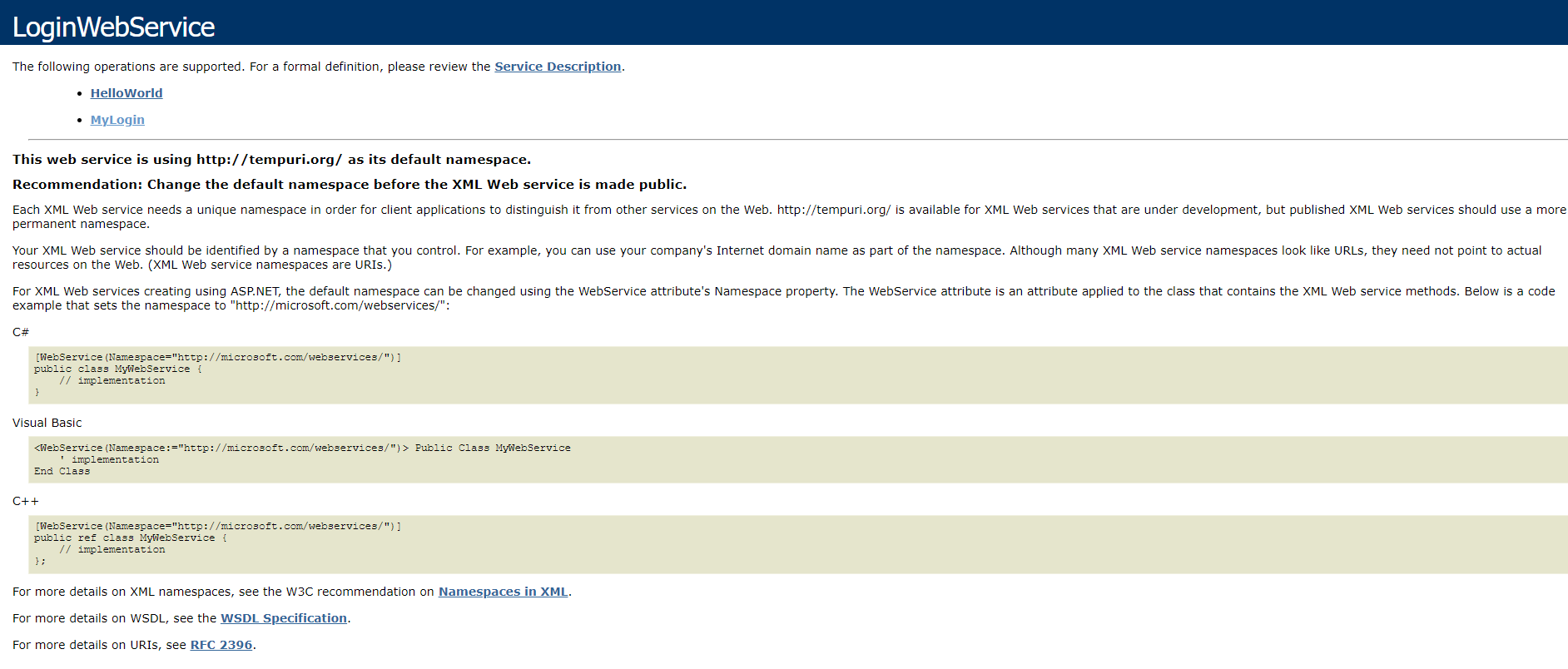
}

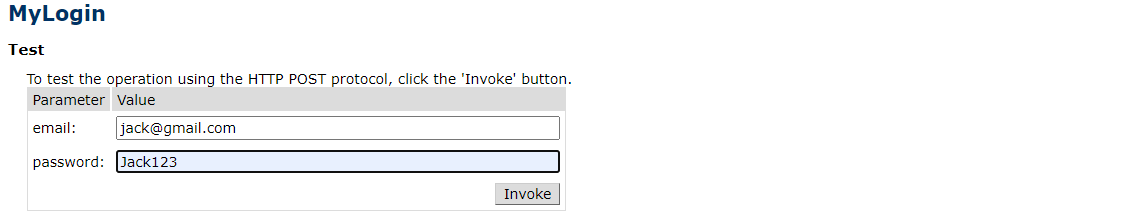
}

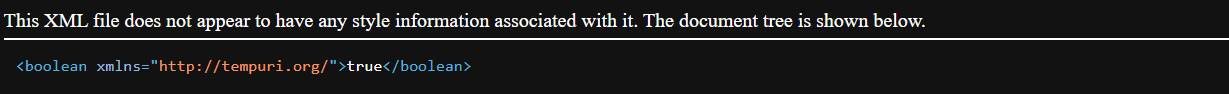
}

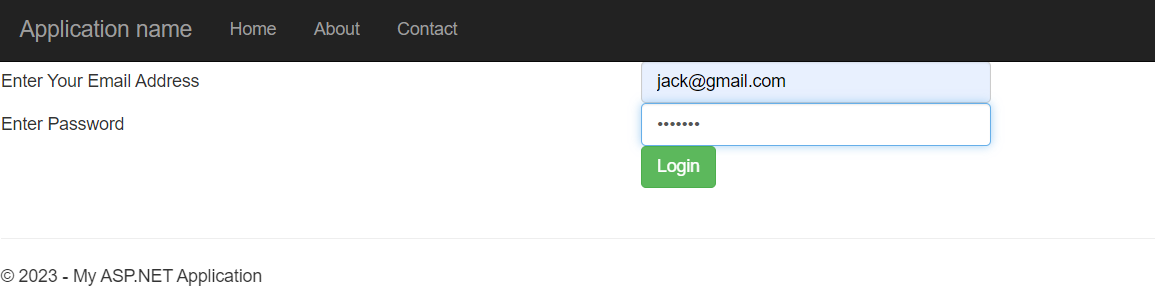
}

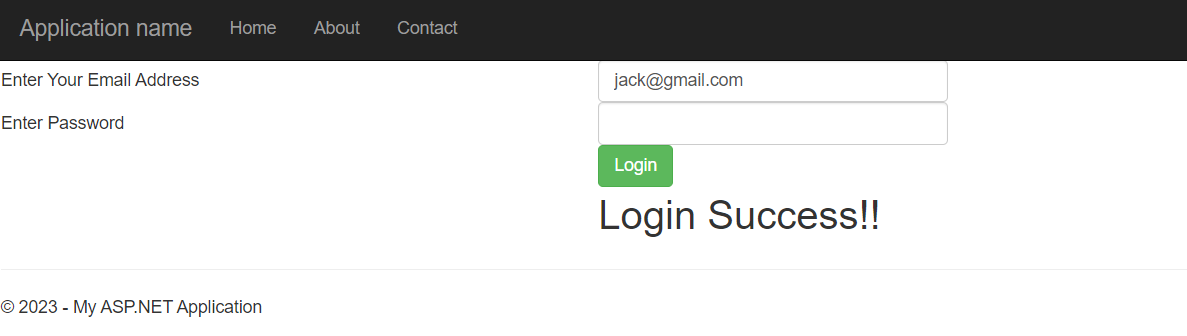
**OUTPUT:**











**/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Program 9 :** **Create an ASP.NET MVC Website that can perform CRUD Operations using Entity Framework and Razor Markup.**

**Reg No :211906**

**Date :14-02-2023**

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/Index.cshtml:**

@model List<MVCDemo.Models.tblProduct>

@{

ViewBag.Title = "Index";

}

<h2>List of All Products</h2>

<table class="table table-bordered table-striped table-hover">

<tr>

<th>Product Id</th>

<th>Product Name</th>

<th>Price of the Product</th>

<th>Product Quantity</th>

<th>Product Image</th>

<th></th>

</tr>

@foreach (var item in Model)

{

<tr>

<td>@item.prod\_id</td>

<td>@item.prod\_name</td>

<td>@item.prod\_price</td>

<td>@item.prod\_qty</td>

<td><img src="~/Content/Images/@item.prod\_pic" alt="@item.prod\_name" width="100" height="100" /></td>

<td>

<a href="@Url.Action("Edit", "Product", new { @id = item.prod\_id })" class="btn btn-warning">Edit</a>

<a href="@Url.Action("Delete","Product", new { @id = item.prod\_id })" class="btn btn-danger" onclick="return confirm('Are you sure want to Delete @item.prod\_name ? ')">Delete</a>

</td>

</tr>

}

</table>

<a href="@Url.Action("Create","Product")" class="btn btn-primary">Add a New Product</a>

**Create.cshtml:**

@model MVCDemo.Models.tblProduct

@{

ViewBag.Title = "Create";

}

<h2>Add new Product</h2>

@using (Html.BeginForm("Create","Product",FormMethod.Post,new {enctype = "multipart/form-data" }))

{

<table class="table">

<tr>

<td>Enter Product Name: </td>

<td>@Html.EditorFor(Model => Model.prod\_name, new { htmlAttributes = new { @class = "form-control" } })</td>

</tr>

<tr>

<td>Enter Product Price: </td>

<td>@Html.EditorFor(Model => Model.prod\_price, new { htmlAttributes = new { @class = "form-control" } })</td>

<tr>

<td>Enter Product Quantity: </td>

<td>@Html.EditorFor(Model => Model.prod\_qty, new { htmlAttributes = new { @class = "form-control" } })</td>

<tr>

<td>Choose Product Image: </td>

<td><input type="file" name="postedFile" class="form-control" /></td>

</tr>

<tr>

<td>

<input type="submit" name="submit" value="Add Product" class="btn btn-success text-center" />

</td>

</tr>

</table>

}

**Edit.cshtml:**

@model MVCDemo.Models.tblProduct

@{

ViewBag.Title = "Edit";

}

<h2>Edit @Model.prod\_name</h2>

@using (Html.BeginForm("Edit", "Product", FormMethod.Post, new { enctype = "multipart/form-data" }))

{

@Html.HiddenFor(Model=>Model.prod\_id)

<table class="table">

<tr>

<td>Enter Product Name: </td>

<td>@Html.EditorFor(Model => Model.prod\_name, new { htmlAttributes = new { @class = "form-control" } })</td>

</tr>

<tr>

<td>Enter Product Price: </td>

<td>@Html.EditorFor(Model => Model.prod\_price, new { htmlAttributes = new { @class = "form-control" } })</td>

<tr>

<td>Enter Product Quantity: </td>

<td>@Html.EditorFor(Model => Model.prod\_qty, new { htmlAttributes = new { @class = "form-control" } })</td>

<tr>

<td>Choose Product Image: </td>

<td>

<img src="~/Content/Images/@Model.prod\_pic" alt="@Model.prod\_name" width="100" height="100" />

<input type="file" name="postedFile" class="form-control" />

</td>

</tr>

<tr>

<td>

<input type="submit" name="submit" value="Update Product" class="btn btn-success text-center" />

</td>

</tr>

</table>

}

**ProductController:**

using System;

using System.Collections.Generic;

using System.IO;

using System.Linq;

using System.Web;

using System.Web.Mvc;

using MVCDemo.Controllers;

using MVCDemo.Models;

namespace MVCDemo.Controllers

{

public class ProductController : Controller

{

// GET: Product

public ActionResult Index()

{

using (ProductDBEntities db = new ProductDBEntities())

{

List<tblProduct> ProductList = (from data in db.tblProducts

select data).ToList();

return View(ProductList);

}

}

// GET: Product/Details/5

public ActionResult Details(int id)

{

return View();

}

// GET: Product/Create

public ActionResult Create()

{

return View(new tblProduct());

}

// POST: Product/Create

[HttpPost]

public ActionResult Create(tblProduct product,HttpPostedFileBase postedFile)

{

try

{

// TODO: Add insert logic here

string extension = Path.GetExtension(postedFile.FileName);

if(extension.Equals(".jpg") || extension.Equals(".png")){

string filename = "IMG-" + DateTime.Now.ToString("yyyyMMddhhmmssffff") + extension;

string savepath = Server.MapPath("~/Content/Images/");

postedFile.SaveAs(savepath + filename);

product.prod\_pic = filename;

using(ProductDBEntities db = new ProductDBEntities())

{

db.tblProducts.Add(product);

db.SaveChanges();

}

}

else

{

return Content("<h1>You can only upload JPG or PNG Files</h1");

}

return RedirectToAction("Index");

}

catch

{

return View();

}

}

// GET: Product/Edit/5

public ActionResult Edit(int id)

{

using (ProductDBEntities db = new ProductDBEntities())

{

tblProduct product = db.tblProducts.Find(id);

return View(product);

}

}

// POST: Product/Edit/5

[HttpPost]

public ActionResult Edit(tblProduct product, HttpPostedFile postedFile)

{

try

{

// TODO: Add update logic here

string filename = "";

if(postedFile != null)

{

string extension = Path.GetExtension(postedFile.FileName);

if (extension.Equals(".jpg") || extension.Equals(".png"))

{

filename = "IMG-" + DateTime.Now.ToString("yyyyMMddhhmmssffff") + extension;

string savepath = Server.MapPath("~/Content/Images/");

postedFile.SaveAs(savepath + filename);

}

}

using(ProductDBEntities db = new ProductDBEntities())

{

tblProduct tbl = db.tblProducts.Find(product.prod\_id);

tbl.prod\_name = product.prod\_name;

tbl.prod\_price = product.prod\_price;

tbl.prod\_qty = product.prod\_qty;

if (!filename.Equals(""))

{

tbl.prod\_pic = filename;

}

db.SaveChanges();

}

return RedirectToAction("Index");

}

catch

{

return View();

}

}

// GET: Product/Delete/5

public ActionResult Delete(int id)

{

using (ProductDBEntities db = new ProductDBEntities())

{

db.tblProducts.Remove(db.tblProducts.Find(id));

db.SaveChanges();

return RedirectToAction("Index");

}

}

// POST: Product/Delete/5

[HttpPost]

public ActionResult Delete(int id, FormCollection collection)

{

try

{

// TODO: Add delete logic here

return RedirectToAction("Index");

}

catch

{

return View();

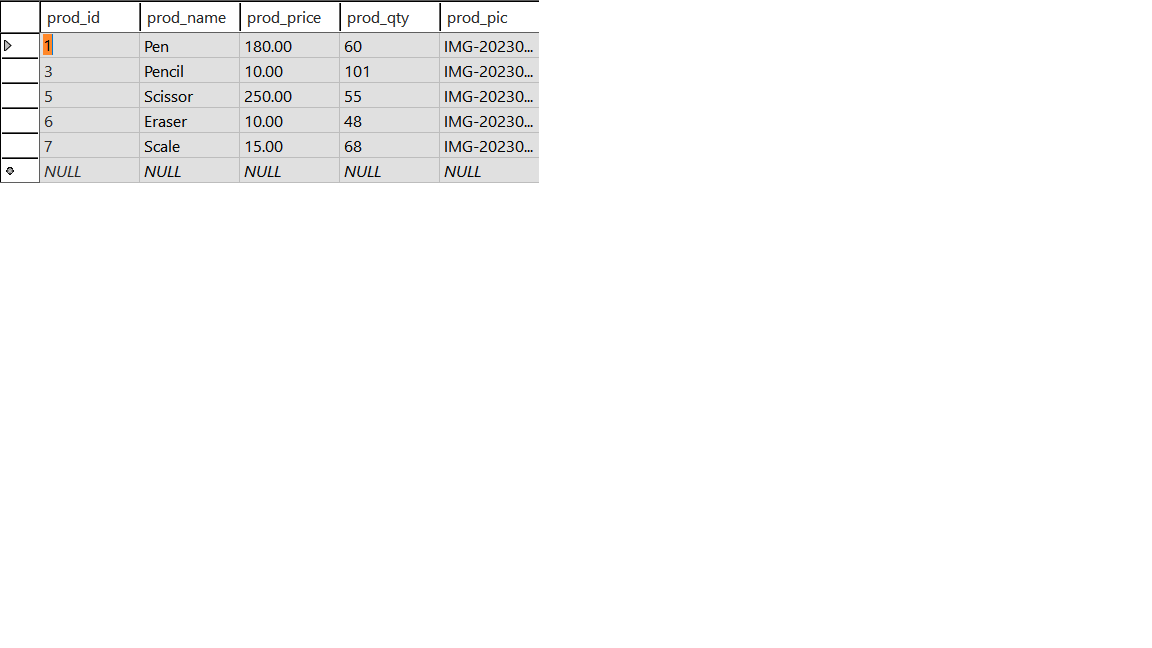
}

}

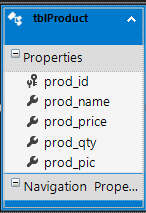
}}

**OUTPUT:**

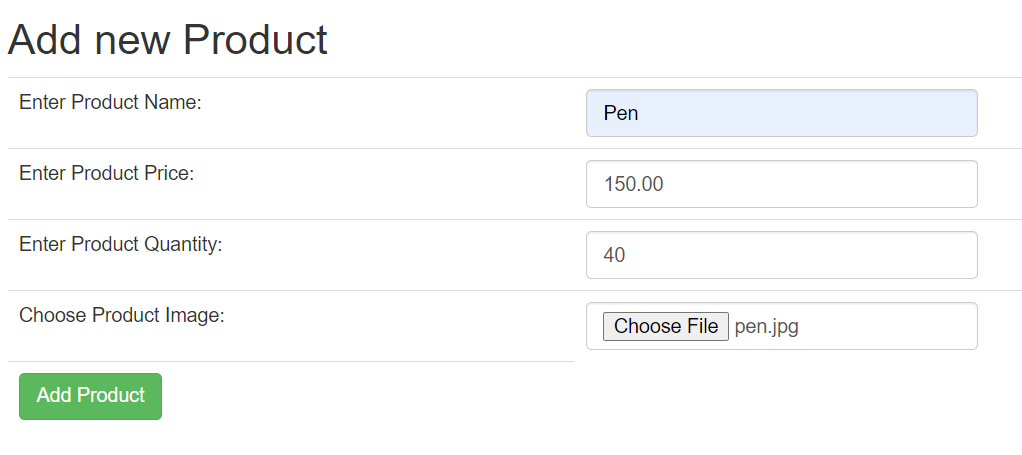
**ProductTable:**

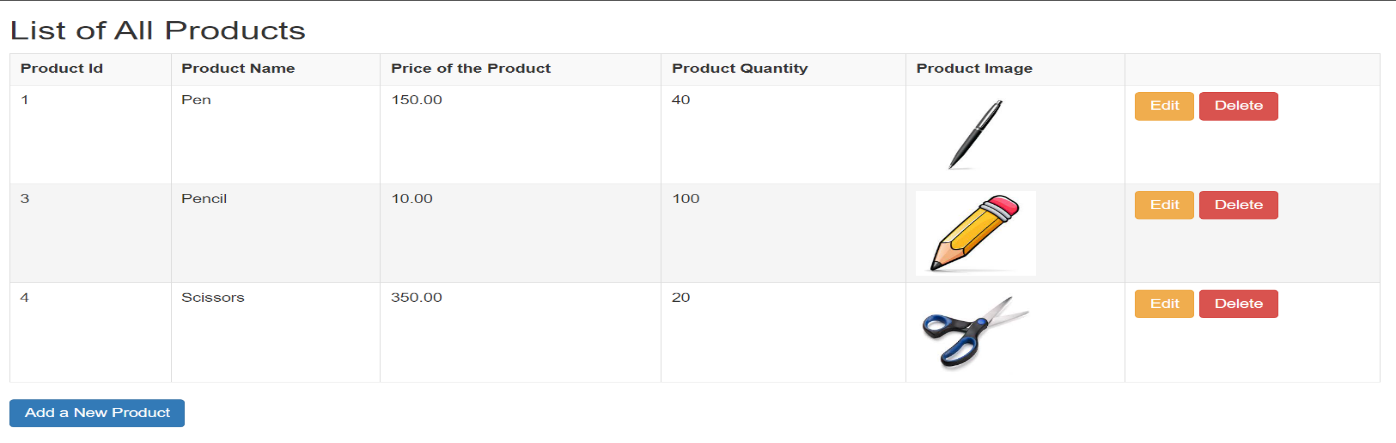


**ProductDiagram:**

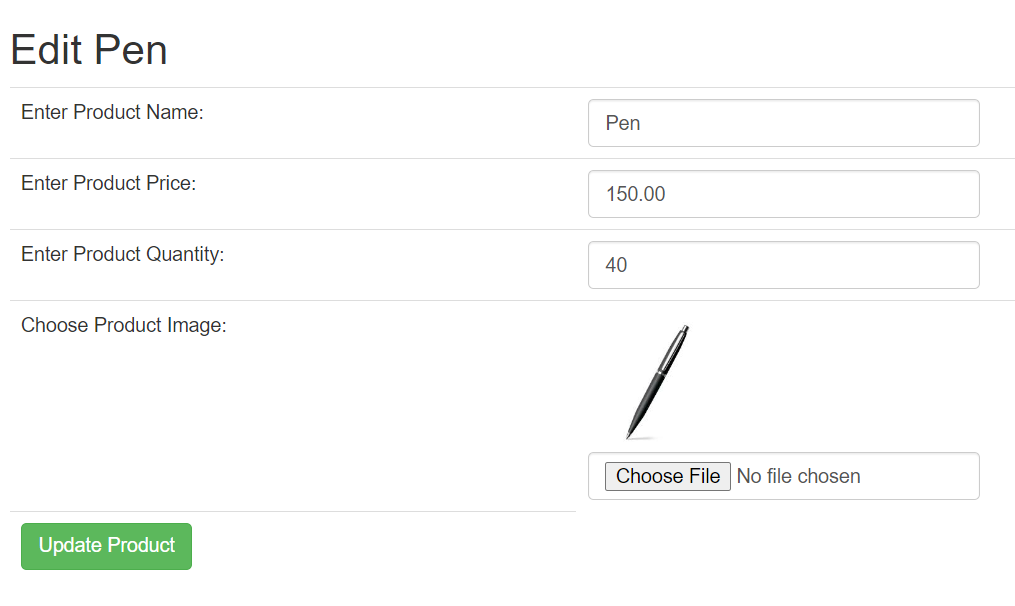


**Insert:**

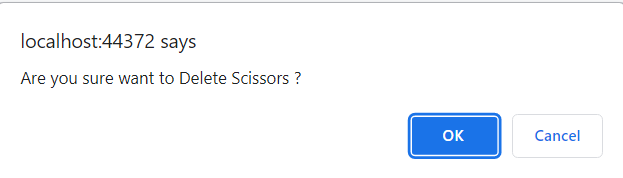




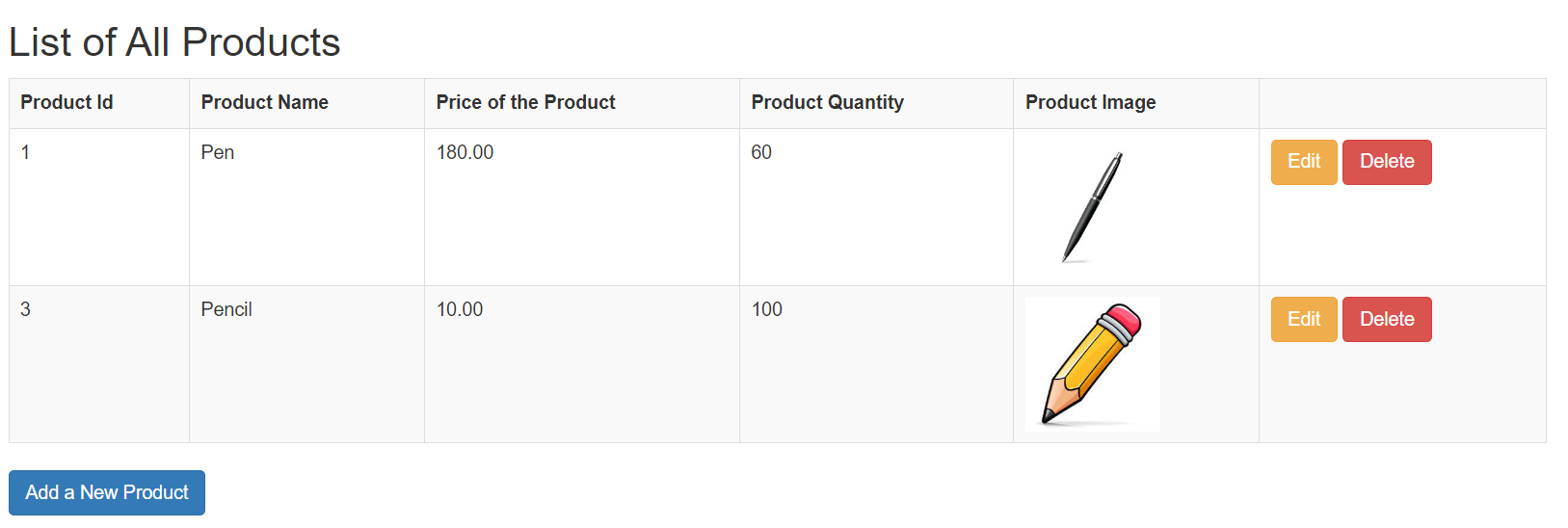
**Update:**



**AlertForDelete:**



**AfternDeleteAndUpdate:**



**/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Program 10 :Create an ASP.NET MVC Website that demonstrates a Simple Shopping Cart with Entity Framework and Razor Markup.**

**Reg No :211906**

**Date :14-02-2023**

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/**

**Item.cs:**

using System;

using System.Collections.Generic;

using System.Linq;

using System.Web;

namespace MVCDemo.Models

{

public class Item

{

public tblProduct Product { get; set; }

public int Quantity { get; set; }

}

}

**HomeController:**

using System;

using System.Collections.Generic;

using System.Linq;

using System.Web;

using System.Web.Mvc;

using MVCDemo.Models;

namespace MVCDemo.Controllers

{

public class HomeController : Controller

{

public ActionResult Index()

{

using (ProductDBEntities db = new ProductDBEntities())

{

List<tblProduct> products = (from data in db.tblProducts

select data).ToList();

return View(products);

}

}

public ActionResult About()

{

ViewBag.Message = "Your application description page.";

return View();

}

public ActionResult Contact()

{

ViewBag.Message = "Your contact page.";

return View();

}

}

}

**Index.cshtml:**

@model List<MVCDemo.Models.tblProduct>

@{

ViewBag.Title = "Home Page";

}

<div class="container">

<h1>List of Products Available</h1>

<div class="row">

@foreach(var item in Model)

{

<div class="col-sm-4">

<img src="~/Content/Images/@item.prod\_pic" alt="@item.prod\_name" width="150" height="150" />

<span style="display:block" class="h3 text-info">@item.prod\_name</span>

<span style="display:block" class="h3 text-info">@item.prod\_price Per Item</span>

<a href="@Url.Action("AddToCart", "Cart", new { @ProductID = item.prod\_id })" class="btn btn-primary">ADD TO Cart </a>

</div>

}

</div>

</div>

**CartController:**

using System;

using System.Collections.Generic;

using System.Linq;

using System.Web;

using System.Web.Mvc;

using MVCDemo.Models;

namespace MVCDemo.Controllers

{

public class CartController : Controller

{

ProductDBEntities db = new ProductDBEntities();

// GET: Cart

public ActionResult Index()

{

return View();

}

public ActionResult AddToCart(int ProductID)

{

Response.Write(ProductID);

if (Session["cart"] == null)

{

List<Item> cart = new List<Item>();

/\*Item item = new Item();

item.Product = db.tblProducts.Find(ProductID);

item.Quantity = 1;

cart.Add(item);\*/

cart.Add(new Item() { Product = db.tblProducts.Find(ProductID), Quantity = 1 });

Session["cart"] = cart;

}

else

{

List<Item> cart = (List<Item>) Session["cart"];

int index = IsInCart(ProductID);

if(index != -1)

{

cart[index].Quantity++;

}

else

{

cart.Add(new Item() { Product = db.tblProducts.Find(ProductID), Quantity = 1 });

}

Session["cart"] = cart;

}

return RedirectToAction("Index");

}

public ActionResult RemoveFromCart(int ProductID)

{

List<Item> cart = (List<Item>)Session["cart"];

int index = IsInCart(ProductID);

cart.RemoveAt(index);

Session["cart"] = cart;

return RedirectToAction("Index");

}

public int IsInCart(int ProductID)

{

List<Item> cart = (List<Item>)Session["cart"];

for (int i = 0; i < cart.Count; i++)

{

if (cart[i].Product.prod\_id == ProductID)

{

return i;

}

}

return -1;

}

}

}

**Index.cshtml:**

@using MVCDemo.Models

@{

ViewBag.Title = "Index";

}

<h2>Your Cart</h2>

<table class="table table-bordered table-hover">

<tr>

<th>Product Image</th>

<th>Product Name</th>

<th>Product Price</th>

<th>Product Quantity</th>

<th>Total Amount</th>

<th>Operations</th>

</tr>

@foreach (var item in (List<Item>)Session["cart"])

{

<tr>

<td>

<img src="~/Content/Images/@item.Product.prod\_pic" alt="@item.Product.prod\_name" width="100" height="100" />

</td>

<td>@item.Product.prod\_name</td>

<td>@item.Product.prod\_price</td>

<td>@item.Quantity</td>

<td>@(item.Product.prod\_price \* item.Quantity)</td>

<td>

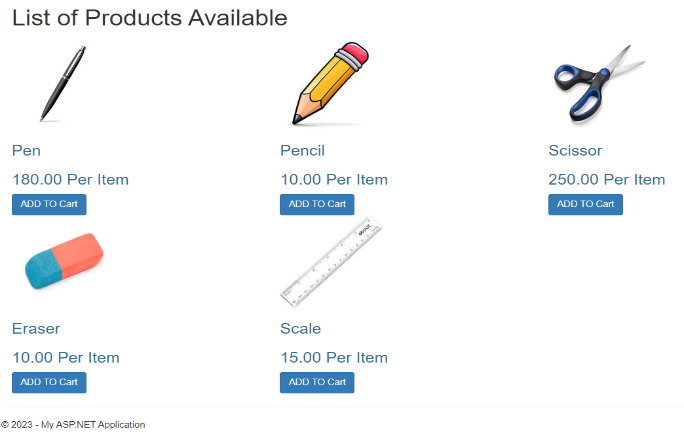
<a href="@Url.Action("RemoveFromCart","Cart", new { @ProductID = item.Product.prod\_id })" class="btn btn-danger">Remove From Cart</a>

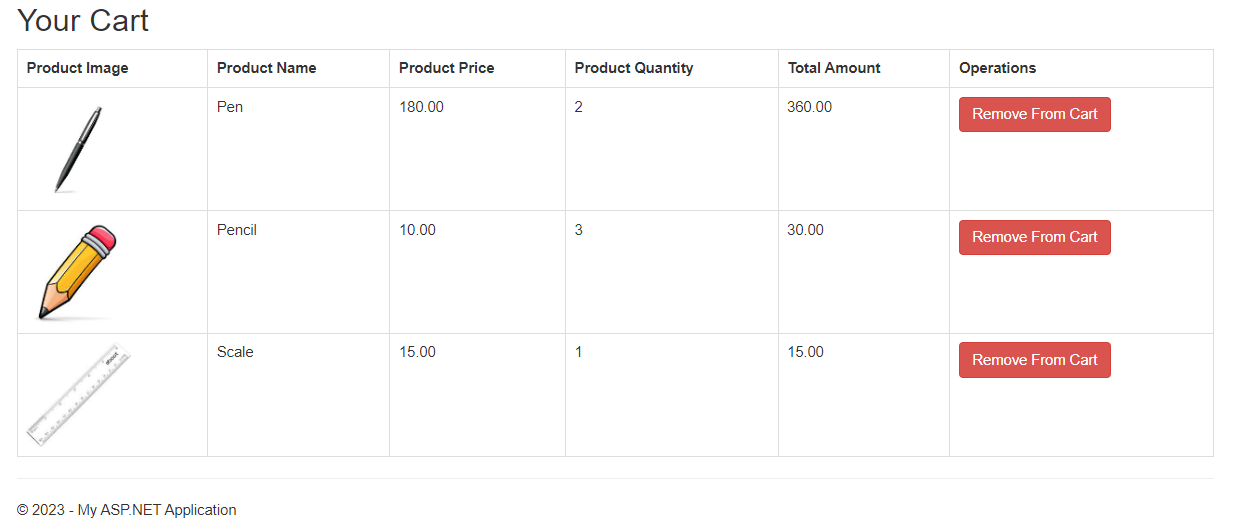
</td>

</tr>

}

</table>





**After Deleting from Cart**

