**Controller Coding**

using System;

using System.Collections.Generic;

using System.Linq;

using System.Web;

using System.Web.Mvc;

using DatabaseDemoG2.Database;

using System.Data;

using System.Data.SqlClient;

namespace DatabaseDemoG2.Controllers

{

public class HomeController : Controller

{

//

// GET: /Home/

DBManager dm = new DBManager();

public ActionResult Index()

{

return View();

}

//We will create Post method here of Index

[HttpPost]

public ActionResult Index(FormCollection frm)

{

string name= frm[0];

string city = frm[1];

string eid = frm[2];

string pr = frm[3];

string dt = DateTime.Now.ToString("dd MMMM yyyy");

string q = "insert into tbl\_emp values('" + name + "','" + city + "','" + eid + "','" + pr + "','" + dt + "')";

bool res = dm.InsertUpdateDelete(q);

if (res == true)

{

ViewBag.confirm = "Record Inserted Successfully";

}

else

{

ViewBag.confirm = "Database Error or Query Error";

}

return View();

}

public ActionResult DisplayRecords()

{

string q = "select \* from tbl\_emp";

DataTable dt = new DataTable();

dt=dm.ReadBulkData(q);

string tbl = "<table class='table table-striped'>";

int i;

tbl += "<tr>";

tbl += "<th>CID</th><th>CName</th><th>CITY</th><th>EMAIL</th><th>PROFESSION</th><th>Date</th>";

tbl += "</tr>";

for (i = 0; i < dt.Rows.Count; i++)

{

tbl += "<tr>";

tbl += "<td>" + dt.Rows[i][0] + "</td>";

tbl += "<td>" + dt.Rows[i][1] + "</td>";

tbl += "<td>" + dt.Rows[i][2] + "</td>";

tbl += "<td>" + dt.Rows[i][3] + "</td>";

tbl += "<td>" + dt.Rows[i][4] + "</td>";

tbl += "<td>" + dt.Rows[i][5] + "</td>";

tbl += "</tr>";

}

tbl += "</table>";

ViewBag.table = tbl;

return View();

}

public ActionResult AjaxFunction()

{

return View();

}

public ActionResult InsertRecord(string n, string c, string e, string p)

{

string dt = DateTime.Now.ToString("dd MMMM yyyy");

string q = "insert into tbl\_emp values('" + n + "','" + c + "','" + e + "','" + p + "','" + dt + "')";

bool res = dm.InsertUpdateDelete(q);

string confirm;

if (res == true)

{

confirm = "success";

}

else

{

confirm = "failure";

}

return Json(confirm, JsonRequestBehavior.AllowGet);

}

public ActionResult AjaxCall()

{

return View();

}

public ActionResult ainsert(string n, string c, string e, string p)

{

string dt = DateTime.Now.ToString("dd MMMM yyyy");

string q = "insert into tbl\_emp values('" + n + "','" + c + "','" + e + "','" + p + "','" + dt + "')";

bool res = dm.InsertUpdateDelete(q);

string msg="";

if (res == true)

{

msg = "success";

}

else

{

msg = "Error";

}

return Json(msg, JsonRequestBehavior.AllowGet);

}

}

}

Forms Coding

Index form coding

@{

Layout = null;

}

<!DOCTYPE html>

<html>

<head>

<meta name="viewport" content="width=device-width" />

<title>Index</title>

<style>

#container {

width:60%;

margin:80px auto;

padding:10px;

border:1px solid red;

}

h3 {

background-color:cornflowerblue;

text-align:center;

}

tr, td {

padding:10px;

color:darkblue;

}

select {

width:170px;

}

option {

color:blue;

}

.btnformat {

width:100%;

height:20px;

background-color:cornflowerblue;

color:black;

border:none;

}

.btnformat:hover {

color:red;

cursor:pointer;

}

span {

color:green;

font-size:20px;

}

</style>

</head>

<body>

<div id="container">

<form method="post" action="/home/Index">

<h3>Registration Form</h3>

<hr />

<table>

<tr>

<td>Enter Name</td>

<td><input type="text" name="txtname" required /></td>

</tr>

<tr>

<td>Enter City</td>

<td>

<select name="txtcity">

<option>--Select City--</option>

<option>Lucknow</option>

<option>Mumbai</option>

<option>Delhi</option>

<option>Banglore</option>

</select>

</td>

</tr>

<tr>

<td>Enter Email Id</td>

<td><input type="text" name="txtemail" required /></td>

</tr>

<tr>

<td>Enter Profession</td>

<td><select name="txtprofession">

<option>--Select Field--</option>

<option>Student</option>

<option>Working</option>

</select></td>

</tr>

</table>

<input type="submit" name="btnsubmit" value="Submit Form" class="btnformat" />

</form>

@{

if(IsPost==true)

{

<span>@ViewBag.confirm</span>

}

}

</div>

</body>

</html>

DisplayRecords Coding

@{

Layout = null;

}

<!DOCTYPE html>

<html>

<head>

<link href="https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/css/bootstrap.min.css" rel="stylesheet"/>

<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/js/bootstrap.min.js"></script>

<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/js/bootstrap.bundle.min.js"></script>

<meta name="viewport" content="width=device-width" />

<title>DisplayRecords</title>

<style>

h3 {

background-color:#d1def1;

text-align:center;

}

#position {

min-height:300px;

min-width:700px;

padding:10px;

margin:20px auto;

text-align:center;

}

tr, td {

}

th {

}

</style>

</head>

<body>

<div>

<h3>Display Records</h3>

<hr />

<div id="position">

@{

@Html.Raw(ViewBag.table);

}

</div>

</div>

</body>

</html>

Ajax function Form

@{

Layout = null;

}

<!DOCTYPE html>

<html>

<head>

<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></script>

<meta name="viewport" content="width=device-width" />

<title>Index</title>

<script>

$(document).ready(function () {

$("#btnsubmit").click(function () {

txtn = $("#txtname").val();

txtc = $("#txtcity").val();

txte = $("#txtemail").val();

txtp = $("#txtprofession").val();

$.getJSON("/Home/InsertRecord", { n: txtn, c: txtc, e: txte, p: txtp }, function (msg) {

if (msg == "success") {

alert('Record Inserted Successfully');

}

else {

alert('DataBase Error');

}

});

});

});

</script>

<style>

#container {

width:60%;

margin:80px auto;

padding:10px;

border:1px solid red;

}

h3 {

background-color:cornflowerblue;

text-align:center;

}

tr, td {

padding:10px;

color:darkblue;

}

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color:black;

border:none;

}

.btnformat:hover {

color:red;

cursor:pointer;

}

span {

color:green;

font-size:20px;

}

</style>

</head>

<body>

<div id="container">

<h3>Registration Form Using Ajax Implementation</h3>

<hr />

<table>

<tr>

<td>Enter Name</td>

<td><input type="text" id="txtname" required /></td>

</tr>

<tr>

<td>Enter City</td>

<td>

<select id="txtcity">

<option>--Select City--</option>

<option>Lucknow</option>

<option>Mumbai</option>

<option>Delhi</option>

<option>Banglore</option>

</select>

</td>

</tr>

<tr>

<td>Enter Email Id</td>

<td><input type="text" id="txtemail" required /></td>

</tr>

<tr>

<td>Enter Profession</td>

<td><select id="txtprofession">

<option>--Select Field--</option>

<option>Student</option>

<option>Working</option>

</select></td>

</tr>

</table>

<input type="button" id="btnsubmit" value="Submit Form" class="btnformat" />

</div>

</body>

</html>

DbManager Class

using System;

using System.Collections.Generic;

using System.Linq;

using System.Web;

using System.Data;

using System.Data.SqlClient;

namespace DatabaseDemoG2.Database

{

public class DBManager

{

SqlConnection con = new SqlConnection("Data Source=DESKTOP-5O20I62\\SQLEXPRESS;Initial Catalog=MVCDB;Integrated Security=True");

public bool InsertUpdateDelete(string command)

{

SqlCommand cmd = new SqlCommand(command, con);

if (con.State == ConnectionState.Closed)

{

con.Open();

}

int j = cmd.ExecuteNonQuery();

if (j > 0)

return true;

else

return false;

}

public DataTable ReadBulkData(string command)

{

SqlDataAdapter sa = new SqlDataAdapter(command, con);

DataTable datatbl = new DataTable();

sa.Fill(datatbl);

return datatbl;

}

}

}

**Table Structure in DATABASE**

