

MVC-CRUD

21 December 2020 02:48

Create a Model :

```
6 references
public class Friend
{
    [Key]

    4 references
    public int FriendId { get; set; }

    [DataType(DataType.Text)]
    [Required(ErrorMessage = "Please enter Name")]
    [StringLength(10, ErrorMessage = "The {0} value cannot exceed {1} characters. ")]
    5 references
    public string FriendName { get; set; }

    [DataType(DataType.Text)]
    [Required(ErrorMessage = "Please enter Name")]
    [StringLength(10, ErrorMessage = "The {0} value cannot exceed {1} characters. ")]
    5 references
    public string Place { get; set; }
}
```

Create controller :

Choose a read/write operation

Index: view select LIST

```
0 references
public ActionResult Index()
{
    SqlConnection cn = new SqlConnection();
    cn.ConnectionString = @"Data Source=(localdb)\MsSqlLocalDb;Initial Catalog=emp_Rec;Integrated Security=True";

    cn.Open();
    SqlCommand cmd = new SqlCommand();
    cmd.Connection = cn;
    cmd.CommandType = CommandType.Text;
    cmd.CommandText = "SELECT * FROM Friend";

    SqlDataReader dr = cmd.ExecuteReader();
    List<Friend> objFList = new List<Friend>();
    while (dr.Read())
    {
        objFList.Add(new Friend { FriendId = (int)dr["FriendId"], FriendName = (string)dr["FriendName"], Place = dr["Place"].ToString() });
    }

    return View(objFList);
    dr.Close();
    cn.Close();
    return View();
}
```

Get Details : select view Details

```

// GET: Friend/Details/5
0 references
public ActionResult Details(int id=0)
{
    SqlConnection cn = new SqlConnection();
    cn.ConnectionString = @"Data Source=(localdb)\MssqlLocalDb;Initial Catalog=emp_Rec;Integrated Security=True";

    cn.Open();
    SqlCommand cmd = new SqlCommand();
    cmd.Connection = cn;
    cmd.CommandType = CommandType.Text;
    cmd.CommandText = "SELECT * FROM Friend";

    SqlDataReader dr = cmd.ExecuteReader();

    Friend objFrd = new Friend();
    while (dr.Read())
    {
        if (id == (int)dr["FriendId"])
        {
            objFrd.FriendId = (int)dr["FriendId"];
            objFrd.FriendName = (string)dr["FriendName"];
            objFrd.Place = (string)dr["Place"];
        }
    }
    return View(objFrd);
    dr.Close();
    cn.Close();
}

```

Create : select Create

```

// GET: Friend/Create
0 references
public ActionResult Create()
{
    return View();
}

// POST: Friend/Create
[HttpPost]
0 references
public ActionResult Create(Friend collection)
{
    try
    {
        SqlConnection cn = new SqlConnection();
        cn.ConnectionString = @"Data Source=(localdb)\MssqlLocalDb;Initial Catalog=emp_Rec;Integrated Security=True";

        cn.Open();
        SqlCommand cmd = new SqlCommand();
        cmd.Connection = cn;
        cmd.CommandType = CommandType.Text;
        cmd.CommandText = "INSERT INTO Friend Values(@FriendId,@FriendName,@Place)";

        cmd.Parameters.AddWithValue("@FriendId", collection.FriendId);
        cmd.Parameters.AddWithValue("@FriendName", collection.FriendName);
        cmd.Parameters.AddWithValue("@Place", collection.Place);

        cmd.ExecuteNonQuery();

        cn.Close();
        return RedirectToAction("Index");
    }
    catch
    {
        return View();
    }
}

```

Part 1: Edit -> get method , getting all value to form

```

// GET: Friend/Edit/5
0 references
public ActionResult Edit(int id=0)
{
    SqlConnection cn = new SqlConnection();
    cn.ConnectionString = @"Data Source=(localdb)\MssqlLocalDb;Initial Catalog=emp_Rec;Integrated Security=True";

    cn.Open();
    SqlCommand cmd = new SqlCommand();
    cmd.Connection = cn;
    cmd.CommandType = CommandType.Text;
    cmd.CommandText = "SELECT * FROM Friend";

    SqlDataReader dr = cmd.ExecuteReader();

    Friend objFrd = new Friend();
    while (dr.Read())
    {
        if (id == (int)dr["FriendId"])
        {
            objFrd.FriendId = (int)dr["FriendId"];
            objFrd.FriendName = (string)dr["FriendName"];
            objFrd.Place = (string)dr["Place"];
        }
    }
    return View(objFrd);
}

```

Part-2, Update the form

```

// POST: Friend/Edit/5
[HttpPost]
0 references
public ActionResult Edit(int id, Friend frd)
{
    try
    {
        SqlConnection cn = new SqlConnection();
        cn.ConnectionString = @"Data Source=(localdb)\MssqlLocalDb;Initial Catalog=emp_Rec;Integrated Security=True";

        cn.Open();
        SqlCommand cmd = new SqlCommand();
        cmd.Connection = cn;
        cmd.CommandType = CommandType.Text;

        cmd.CommandText = "UPDATE Friend SET FriendName=@FriendName, Place=@Place Where FriendId=@FriendId";

        cmd.Parameters.AddWithValue("@FriendId", id);
        cmd.Parameters.AddWithValue("@FriendName", frd.FriendName );
        cmd.Parameters.AddWithValue("@Place", frd.Place);

        cmd.ExecuteNonQuery();
        return RedirectToAction("Index");
    }
    catch
    {
        return View();
    }
}

```

Delete : Get the value

```

// GET: Friend/Delete/5
0 references
public ActionResult Delete(int id=0)
{
    SqlConnection cn = new SqlConnection();
    cn.ConnectionString = @"Data Source=(localdb)\MssqlLocalDb;Initial Catalog=emp_Rec;Integrated Security=True";

    cn.Open();
    SqlCommand cmd = new SqlCommand();
    cmd.Connection = cn;
    cmd.CommandType = CommandType.Text;
    cmd.CommandText = "SELECT * FROM Friend";

    SqlDataReader dr = cmd.ExecuteReader();

    Friend objFrd = new Friend();
    while (dr.Read())
    {
        if (id == (int)dr["FriendId"])
        {
            objFrd.FriendId = (int)dr["FriendId"];
            objFrd.FriendName = (string)dr["FriendName"];
            objFrd.Place = (string)dr["Place"];
        }
    }
    return View(objFrd);
}

```

Delete the values

```

// POST: Friend/Delete/5
[HttpPost]
0 references
public ActionResult Delete(int id, Friend frnd)
{
    try
    {
        SqlConnection cn = new SqlConnection();
        cn.ConnectionString = @"Data Source=(localdb)\MssqlLocalDb;Initial Catalog=emp_Rec;Integrated Security=True";

        cn.Open();
        SqlCommand cmd = new SqlCommand();
        cmd.Connection = cn;
        cmd.CommandType = CommandType.Text;
        cmd.CommandText = "Delete FROM Friend where FriendId=@FriendId";
        cmd.Parameters.AddWithValue("@FriendId", id);

        cmd.ExecuteNonQuery();

        return RedirectToAction("Index");
    }
    catch
    {
        return View();
    }
}

```

Login: use create

```

1 reference
public ActionResult login()
{
    HttpCookie cookie = Request.Cookies["Usercookie"];
    if (cookie != null)
    {
        ViewBag.uname = cookie["username"];
        ViewBag.pwd = cookie["pwd"];
    }
    return View();
}

```

Login:

```

[HttpPost]
0 references
public ActionResult login(login objlogin)
{
    SqlConnection cn = new SqlConnection();
    cn.ConnectionString = @"Data Source=(localdb)\MssqlLocalDb;Initial Catalog=emp_Rec;Integrated Security=True";

    cn.Open();
    SqlCommand cmd = new SqlCommand();
    cmd.Connection = cn;
    cmd.CommandType = CommandType.Text;

    cmd.CommandText = "Select * from friend where FriendName=@FriendName and Place=@Place";

    cmd.Parameters.AddWithValue("@FriendName", objlogin.FriendName);
    cmd.Parameters.AddWithValue("@Place", objlogin.Place);
    SqlDataReader dr = cmd.ExecuteReader();

    HttpCookie objCookie = new HttpCookie("Usercookie");

    if (dr.Read())
    {
        Session["username"] = objlogin.FriendName.ToString();
        Session["fullname"] = objlogin.FriendName.ToString();
        cn.Close();
        return RedirectToAction("Home");
    }

    else
    {
        ViewBag.Msg1 = "Enter the valid Username and Password";
        return login();
    }
}

```

Create Home: Normal view Home

```

0 references
public ActionResult Home()
{
    return View();
}

[HttpPost]
0 references
public ActionResult Homelogout()
{
    Session.Abandon();
    return RedirectToAction("login");
}

```

Write in Home view :

```
4  }
5
6  <h2>Home</h2>
7
8  @using (Html.BeginForm("Homelogout", "Friend"))
9  {
10    <h1>Home Page</h1>
11
12    <h3> Welcome @Session["username"]</h3>
13    <h3>full name is @Session["fullname"]</h3>
14
15
16    @Html.ActionLink("UpdateProfile", "update", new { id = @Session["username"] })
17    <input type="submit" value="Logout" />
18
19
20}
21
```

logOut:

```
5  [HttpPost]
6  public ActionResult logout()
7  {
8      return RedirectToAction("login", "Friend");
9  }
```

Remember me

```
HttpCookie objCookie = new HttpCookie("Usercookie");
if (objlogin.isRemember == true)
{
    objCookie["username"] = objlogin.LoginName;
    objCookie["pwd"] = objlogin.Password;
    objCookie.Expires = DateTime.Now.AddDays(25);
    HttpContext.Response.Cookies.Add(objCookie);
}

else
{
    objCookie.Expires = DateTime.Now.AddDays(-1);
    HttpContext.Response.Cookies.Add(objCookie);
}
```

Login Model

A screenshot of a code editor window displaying a C# class definition. The code is as follows:

```
tnr ModelViewCntr.Models.login Friend
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;

namespace ModelViewCntr.Models
{
    public class login
    {
        public string FriendName { get; set; }
        public string Place { get; set; }
    }
}
```

The code editor interface includes tabs for 'tnr', 'ModelViewCntr.Models.login', and 'Friend'. A yellow lightbulb icon is visible in the top-left corner of the code area.