



Module - 8

Strongly Typed Html Helpers

Strongly type Helpers

- The strongly-typed HTML helper takes a lambda as a parameter that tells the helper, which element of the model to be utilized in the typed view. The strongly typed views are used for rendering specific sorts of model objects, rather than using the overall View-Data structure.

List of strongly-typed HTML helpers
@Html.HiddenFor()
@Html.LabelFor()
@Html.TextBoxFor()
@Html.RadioButtonFor()
@Html.DropDownListFor()
@Html.CheckBoxFor()
@Html.TextAreaFor()
@Html.PasswordFor()
@Html.ListBoxFor()

The functionality of all of these are the same as seen in built-in helpers but they are used with model classes.

- Since they are used with model classes, so let's create a model class

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;

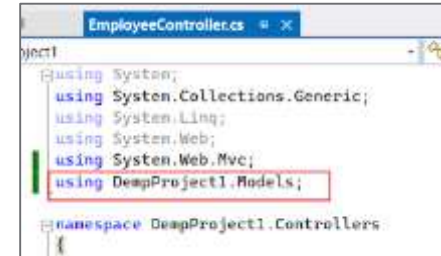
namespace DempProject1.Models
{
    [2 references]
    public class Employee
    {
        [0 references]
        public int EmpId { get; set; }
        [2 references]
        public string Name { get; set; }
        [2 references]
        public string Gender { get; set; }
        [1 reference]
        public string Address { get; set; }
        [1 reference]
        public string Password { get; set; }
        [1 reference]
        public skills Skills { get; set; }
        [1 reference]
        public country Country { get; set; }
        [1 reference]
        public bool AgreeTerm { get; set; }
    }
}
```

```
[2 references]
public enum skills
{
    JQuery,
    MVC,
    HTML,
    CSS,
    Javascript
}

[2 references]
public enum country
{
    India,
    China,
    Japan,
    Russia
}
```

- Here in models we have used type skills and country for creating it as a list
- Here enum is used for declaring a list of data.

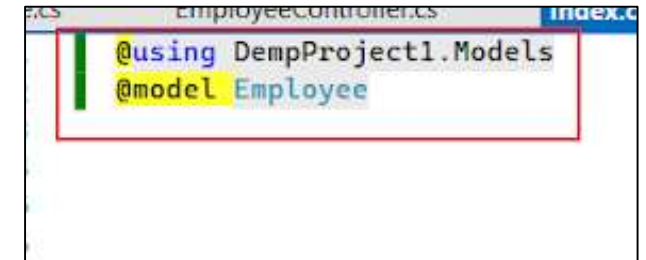
- Before adding helpers we need to include model in both view and controller.

A screenshot of a code editor showing the EmployeeController.cs file. The code includes several using statements: System, System.Collections.Generic, System.Linq, System.Web, System.Web.Mvc, and DempProject1.Models. The last line, 'using DempProject1.Models;', is highlighted with a red rectangular box. Below the using statements, the namespace 'DempProject1.Controllers' is declared, and the controller class 'EmployeeController' is partially visible.

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.Mvc;
using DempProject1.Models;

namespace DempProject1.Controllers
{
    public class EmployeeController : Controller
    {
        // GET: /Employee/
        public ActionResult Index()
        {
            return View();
        }
    }
}
```

EmployeeController.cs

A screenshot of a code editor showing the Index.cshtml file. The code contains two lines: '@using DempProject1.Models;' and '@model Employee'. Both lines are highlighted with a red rectangular box.

```
@using DempProject1.Models;
@model Employee
```

Index.cshtml

- Now adding HTML helpers in the index file

1. Html.Label()

```
@*LabelFor*@
<h4>Label</h4>
@Html.LabelFor(model => model.Name, new { @class = "label-control" })
```

Label
Name

2. Html.TextBox()

```
@*Text Box*@
<h4>Text Box</h4>
@Html.TextBoxFor(model => model.Name, new { @class = "form-control" })
```

Text Box

3. Html.TextArea()

```
@*Text Area*@  
<h4>Text Area</h4>  
@Html.TextAreaFor(model => model.Address, new { @class = "form-control", row = "5" })
```

Text Area

4. Html.Password()

```
@*Password*@  
<h4>Password</h4>  
@Html.PasswordFor(model => model.Password, new { @class = "form-control" })
```

Password

5. Html.RadioButton()

```
@*Radio Button*@  
<h4>Radio button</h4>  
@Html.RadioButtonFor(model => model.Gender, true, new { id = "male-true" })  
@Html.Label("male-true", "Male")  
@Html.RadioButtonFor(model => model.Gender, false, new { id = "female-true" })  
@Html.Label("female-true", "Female")
```

Radio button

☐ Male ☒ Female

6. Html.CheckBox()

```
<br />
@*Check Box*@
<h4>Check Box</h4>
@Html.CheckBoxFor(model => model.AgreeTerm)
@Html.Label("Agree-true", "Agree")
```

Check Box

☒ Agree

7. Html.ListBox()

```
@*List Box*@
<h4>List Box</h4>
@Html.ListBoxFor(model => model.Skills,
    new SelectList(Enum.GetValues(typeof(skills))),
    new { @class = "form-control" })
```

List Box

Jquery
MVC
HTML
CSS
Javascript

8. Html.DropDownList()

```
@*Drop Down List*@
<h4>Drop Down List</h4>
@Html.DropDownListFor(model => model.Country,
    new SelectList(Enum.GetValues(typeof(country))),
    "Select Country",
    new { @class = "form-control" })
```

Drop Down List

Select Country ▼
Select Country
India
China
Japan
Russia



THANK YOU