```
EmployeesModel.cs 🕫 🗙
₩eekProject04
                                                      ▼ 🥸 WeekProject04.Models.EmployeesModel
                                                                                                                □using System;
using System.Collections.Generic;
                using System.Linq;
using System.Web;
               using System.ComponentModel.DataAnnotations;
              1/ references
public int EmployeeID { get; set; }
3 references
public string EmployeeName { get; set; }
                         public string Email { get; set; }
                         public int Age { get; set; }
                         [DataType(DataType.Date)]
[DisplayFormat(DataFormatString = "{0:dd/MM/yyyy}}" , ApplyFormatInEditMode = true)]
                         public DateTime Birthday { get; set; }
                         public string Type { get; set; }
                    4 references
public enum EmpType
{
                         BOD, Leader, HR, Staff
```

```
HomeController.cs → X
                                                                                   ▼ ♦ WeekProject04.Controllers.HomeController
₩eekProject04
                                                                                                                                                                           ▼ ReadXMLData(string filepath
                   namespace WeekProject04.Controllers
  農↑
                                 private List<EmployeesModel> EmployeesList = new List<EmployeesModel>();
string xmlFilePath = "~/XMLfile/EmployeeData.xml";
                                 14 references
public List<EmployeesModel> ReadXMLData(string filepath)
{
                                       string xmldata = Server.MapPath(filepath);
DataSet ds = new DataSet();
ds.ReadXml(xmldata);
                                       var employeelist = new List<EmployeesModel>();
employeelist = (from rows in ds.Tables[0].AsEnumerable()
                                                               select new EmployeesModel
                                                                     EmployeeID = Convert.ToInt32(rows[0].ToString()),
EmployeeName = rows[1].ToString(),
Email = rows[2].ToString(),
Age = DateTime.Today.Year - (Convert.ToDateTime(rows[3].ToString()).Year),
Birthday = Convert.ToDateTime(rows[3].ToString()),
Type = rows[4].ToString()
                                                               }).ToList();
                                       return employeelist;
                                 4references
public void CreateXmlFile(string filepath, List<EmployeesModel> xmldata)
                                              XmlWriterSettings xmlWriterSettings = new XmlWriterSettings()
                                                   Indent = true,
IndentChars = "\t",
NewLineOnAttributes = true
70 %
                           No issues found
                                                                       | 😽 ▼
```

EmployeeData.xml → X

```
<?xml version="1.0" encoding="utf-8"?>
       <Employee>
<EmployeeID>1</EmployeeID>

                 <EmployeeName>Duy</EmployeeName>
<Email>duy@gmail.com</Email>
<Birthday>9/8/2001 12:00:00 AM</Birthday>
                  <Type>BOD</Type>
        </Employee>
<Employee>
<EmployeeID>2</EmployeeID>
                 <Employee:D=2</pre>/EmployeeName>Hoàng/EmployeeName>
<Email>hoang@gmail.com/Email>
<Birthday>3/2/2001 12:00:00 AM</birthday>
<Type>800/Type>
                 <EmployeeName>Hung/EmployeeName>
<Email>hung@gmail.com/Email>
<Birthday>1/5/2001 12:00:00 AM/Birthday>
                  <Type>Leader</Type>
        <Employee>
<EmployeeID>4</EmployeeID>
                 <EmployeeName>Khanh/EmployeeNam
<Email>khanh@gmail.com/Email>
                <Birthday>9/2/2001 12:00:00 AM</Birthday>
<Type>Leader</Type>
        <Employee>
<EmployeeID>5</EmployeeID>
                 <EmployeeName>Dung/EmployeeName>
<Email>dung@gmail.com
<Email>dung@gmail.com
<Email>
<Type>HR</Type>
                coyec="2">
cEmployeeID>6</EmployeeID>
<EmployeeName>Tung</EmployeeName>
<Email>Tung@gmail.com</Email>
<Birthday>6/8/1995 12:80:80 AM</Birthday>
<Type>HR</Type>

                 ctyce=>
<EmployeeID>7</EmployeeID>
<EmployeeName>Quynh</EmployeeName</pre>
                 <Email>quynh@gmail.com/Email>
<Birthday>4/9/1992 12:80:80 AM</Birthday>
<Type>Staff</Type>
                «EmployeeID>8</EmployeeID>
«EmployeeName>Trang/EmployeeName>
«Email>trang@gmail.com/Email>
«Birthday>9/8/1996 12:80:00 AM/Birthday>
«Type>Staff
                 <EmployeeID>9</EmployeeID>
<EmployeeName>Vu</EmployeeName>
<Email>vu@gmail.com</Email>

emptoyeelD>10

EmployeeName>Thinh

Email>thinh@gmail.com

Email>thinh@gmail.com

Email>thinh@gmail.com

Email>thinh@gmail.com

Employee>

<p
```

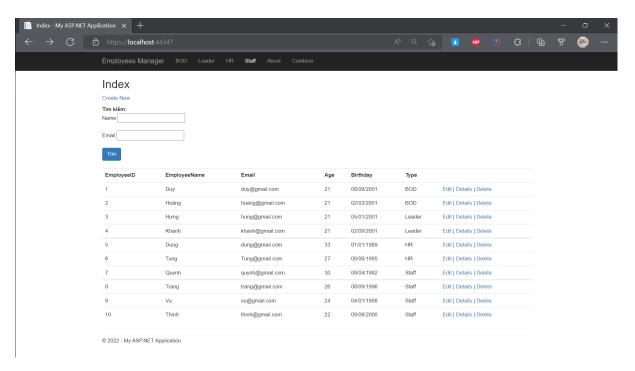
Index.cshtml ≠ X

```
ViewBag.Title = "Index";
   В
         <h2>Index</h2>
□@using (Html.BeginForm())
                   <br/>
<
                  <input class="btn btn-primary" type="submit" name="submit" value="Tim" />
      extable class="table table-dark table-hover">
                            I
                             Html.DisplayNameFor(model ⇒ model.EmployeeName)

 ij
                           [Html.DisplayNameFor(model => model.Email) 
 ٩Ĭ
                            I
                             ١Ĭ
                                     [Html.DisplayNameFor(model => model.Type)
                   Gforeach (var item in Model)
                                       ıĪ
                                       //d>
id>
id>
id>
item.EmployeeName)

 ٦Ĭ
                                       1
  ΙÏ
                                                [Html.DisplayFor(modelItem => item.Age)
                                        Html.DisplayFor(modelItem => item.Birthday)

  ١Ţ
  ١Ī
                                                 [Html.DisplayFor(modelItem => item.Type)
                                        </td
                                                 PHtml ActionLink("Edit", "Edit", nem { EmpId = item.EmployeeID }) |
PHtml.ActionLink("Details", "Details", new { EmpId = item.EmployeeID }) |
PHtml.ActionLink("Delete", "Delete", new { EmpId = item.EmployeeID })
```



Index

Create New

Tìm kiếm: Name Duy

Email

Tìm

EmployeeID	EmployeeName	Email	Age	Birthday	Туре	
1	Duy	duy@gmail.com	21	08/09/2001	BOD	Edit Details Delete

Index

Create New

Tìm kiếm:

Name

Email vu@gmail.com

Tìm

EmployeelD	EmployeeName	Email	Age	Birthday	Type	
9	Vu	vu@gmail.com	24	04/01/1998	Staff	Edit Details Delete

```
Create.cshtml* → X
                        @model WeekProject84.Models.EmployeesModel
                       @using WeekProject84.Models
                      84
B
                                         ViewBag.Title = "Create";
                                 <h2>Create</h2>
                      Gusing (Html.BeginForm())
                                        @Html.AntiForgeryToken()
                                          <div class="form-horizontal">
   <h4>EmployeesModel</h4>
                                                      Often L. ValidationSummary(true, "", new { @class = "text-danger" })

div class="form-group">

Ditml.LabelFor(model => model.EmployeeID, htmlAttributes: new { @class = "control-label col-md-2" })
                                                                     div class="col-mcl-l">
| Ottol: Class="col-mcl-l" | Ottol: | Ottol
                        ١
                                                                  </div
                                                      div class="form-group">
@Html.LabelFor(model => model.EmployeeName, htmlAttributes: new { @class = "control-label col-md-2" })
<div class="col-md-18">
@Html.LabelFor(model => model.EmployeeName, new { htmlAttributes = new { @class = "form-control" } })
@Html.ValidationMessageFor(model => model.EmployeeName, new { model.EmployeeName, new { @class = "text-danger" })
                                                                  </div
                                                    I
```

b

I

S⊲div> | : [atml.ActionLink("Back to List", "Index") | </div>

Create

EmployeesModel

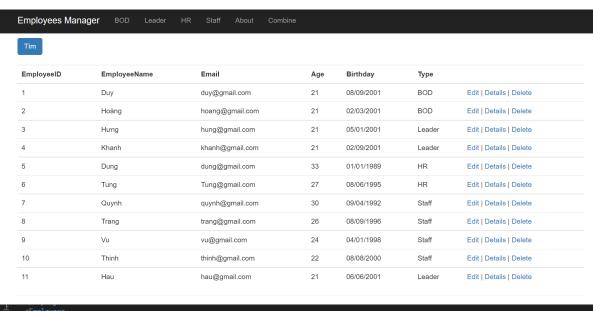
EmployeeID	11	
EmployeeName		
Email		
Birthday	mm/dd/yyyy	=
Туре	Select EmpType >	
	Create	
Back to List		

Create

EmployeesModel

EmployeeID	11	
EmployeeName	Hau	
Email	hau@gmail.com	
Birthday	06/06/2001	:::
Туре	Leader	
	Create	
Back to List		

Buok to Liot



Employees Manager

BOD

Leader

HR S

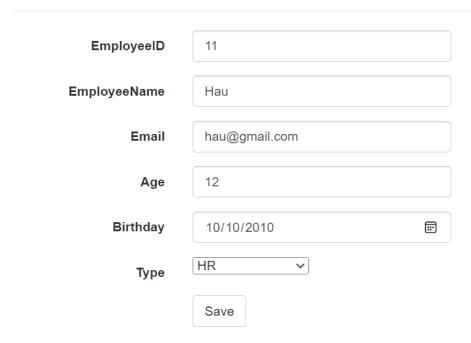
Staff

About

Combine

Edit

EmployeesModel



Back to List

10 Thinh thinh@gmail.com 22 08/08/2000 Staff Edit Details Delete 11 Hau hau@gmail.com 12 10/10/2010 HR Edit Details Delete	9	Vu	vu@gmail.com	24	04/01/1998	Staff	Edit Details Delete
11 Hau hau@gmail.com 12 10/10/2010 HR Edit Details Delete	10	Thinh	thinh@gmail.com	22	08/08/2000	Staff	Edit Details Delete
	11	Hau	hau@gmail.com	12	10/10/2010	HR	Edit Details Delete

```
Orderences
public ActionResult Details (int EmpId)

{
    EmployeesList = ReadXMLData(xmlFilePath);
    int index = EmployeesList[index(x => x.EmployeeID == EmpId);
    EmployeesModel emp = EmployeesList[index];
}

133
    EmployeesModel emp = EmployeesList[index];
}

134
    Feturn View(emp);
}

135
    EmployeesList = ReadXMLData(xmlFilePath);
    int index = EmployeesList[index(x => x.EmployeeID == EmpId);
    EmployeesModel emp = EmployeesList[index];
    return View(emp);
}

140
    EmployeesModel emp = EmployeesList[index];
    return View(emp);
}

141
    If HittpPost]
    Index = EmployeesList [index]

144
    If HittpPost]
    Index = EmployeesList [index]

145
    Index = EmployeesList [index]

146
    EmployeesList = ReadXMLData(xmlFilePath);
    int index = EmployeesList.FindIndex(x => x.EmployeeID == EmpId);
    EmployeesList = ReadXMLData(xmlFilePath);
    int index = EmployeesList.FindIndex(x => x.EmployeeID == EmpId);
    EmployeesList = ReadXMLData(xmlFilePath);
    int index = EmployeesList.FindIndex(x => x.EmployeeID == EmpId);
    EmployeesList = ReadXMLData(xmlFilePath);
    int index = EmployeesList.FindIndex(x => x.EmployeeID == EmpId);
    EmployeesList = ReadXMLData(xmlFilePath);
    int index = EmployeesList.FindIndex(x => x.EmployeeID == EmpId);
    EmployeesList = ReadXMLData(xmlFilePath);
    int index = EmployeesList.FindIndex(x => x.EmployeeID == EmpId);
    EmployeesList = ReadXMLData(xmlFilePath);
    int index = EmployeesList.FindIndex(x => x.EmployeeID == EmpId);
    EmployeesList = ReadXMLData(xmlFilePath);
    int index = EmployeesList.FindIndex(x => x.EmployeeID == EmpId);
    int index = EmployeesList.FindIndex(x => x.EmployeeID == Em
```

Employees Manager BOD Leader HR Staff About Combine

Details

EmployeesModel

```
EmployeeID 11
EmployeeName Hau
Email hau@gmail.com
Age 12
Birthday 10/10/2010
```

Edit | Back to List

Delete

Are you sure you want to delete this?

BOD

EmployeesModel

EmployeeID

11 Hau

EmployeeName Email

hau@gmail.com

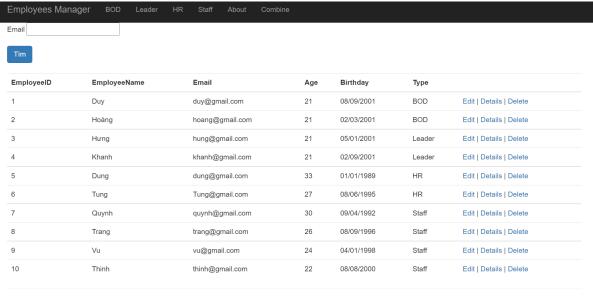
Age 12

Birthday 10/10/2010

Delete

| Back to List

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```
Oreferences

public ActionResult BOD()

{
                                   var type = EmpType.BOD.ToString();
EmployeesList = ReadXMLData(xmlFilePath);
EmployeesList = EmployeesList.Where(x => x.Type == type).ToList();
                                   return View(EmployeesList);
167
168 ②
                            Oreferences
public ActionResult Leader()
{
                                  var type = EmpType.Leader.ToString();
EmpLoyeesList = ReadXMLData(xmlFilePath);
EmpLoyeesList = EmpLoyeesList.Where(x => x.Type == type).ToList();
                                   return View(EmployeesList);
                            Oreferences
public ActionResult HR()
{
                                  var type = EmpType.HR.ToString();
EmpLoyeesList = ReadXMLData(xmlFilePath);
EmpLoyeesList = EmpLoyeesList.Where(x => x.Type == type).ToList();
                                   return View(EmployeesList);
                            Oreferences
public ActionResult Staff()
{
                                   var type = EmpType.Staff.ToString();
EmpLoyeesList = ReadXMLData(xmlFilePath);
EmpLoyeesList = EmpLoyeesList.Where(x => x.Type == type).ToList();
                                   return View(EmployeesList);
```

Employees Manager BOD Leader HR Staff About Combine

BOD

Create New

EmployeeID	EmployeeName	Email	Age	Туре	
1	Duy	duy@gmail.com	21	BOD	Edit Details Delete
2	Hoàng	hoang@gmail.com	21	BOD	Edit Details Delete

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Leader

Create New

EmployeeID	EmployeeName	Email	Age	Туре	
3	Hưng	hung@gmail.com	21	Leader	Edit Details Delete
4	Khanh	khanh@gmail.com	21	Leader	Edit Details Delete

Employees Manager BOD Leader HR Staff About Combine

HR

Create New

EmployeeID	EmployeeName	Email	Age	Туре	
5	Dung	dung@gmail.com	33	HR	Edit Details Delete
6	Tung	Tung@gmail.com	27	HR	Edit Details Delete

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Employees Manager BOD Leader HR Staff About Combine

Staff

Create New

EmployeeID	EmployeeName	Email	Age	Туре	
7	Quynh	quynh@gmail.com	30	Staff	Edit Details Delete
8	Trang	trang@gmail.com	26	Staff	Edit Details Delete
9	Vu	vu@gmail.com	24	Staff	Edit Details Delete
10	Thinh	thinh@gmail.com	22	Staff	Edit Details Delete

```
public ActionResult About()
199
200
                            ViewBag.Message = "(¯o¯) . z Z";
                            return View();
                      Oreferences public ActionResult Combine() {
                            EmployeesList = ReadXMLData(xmlFilePath);
                           EmployeesModel emp = new EmployeesModel();
emp.EmployeeID = EmployeesList.Max(x => x.EmployeeID) + 1;
ViewData["Employees"] = EmployeesList;
return View(emp);
                       [HttpPost]
                      Oreferences
public ActionResult Combine(EmployeesModel emp)
                            if (ModelState.IsValid)
                                 EmployeesList = ReadXMLData(xmlFilePath);
                                 EmployeesList.Add(emp);
CreateXmlFile(xmlFilePath, EmployeesList);
return RedirectToAction("Combine");
                            return View();
                      Oreferences
public ActionResult Contact()
                            ViewBag.Message = "Your contact page.";
                            return View();
          ì
```

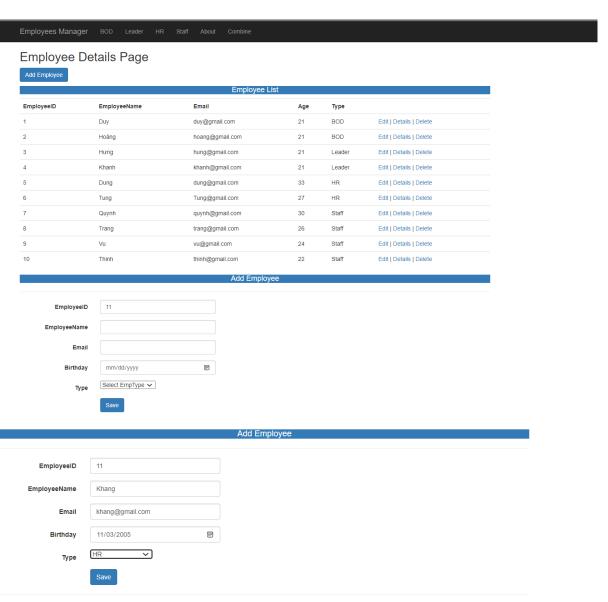
Staff

About.

 $(^{-}o^{-}).zZ$

Use this area to provide additional information.

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Employee Details Page

Add Employee

Employee List							
EmployeeID	EmployeeName	Email	Age	Туре			
1	Duy	duy@gmail.com	21	BOD	Edit Details Delete		
2	Hoàng	hoang@gmail.com	21	BOD	Edit Details Delete		
3	Hưng	hung@gmail.com	21	Leader	Edit Details Delete		
4	Khanh	khanh@gmail.com	21	Leader	Edit Details Delete		
5	Dung	dung@gmail.com	33	HR	Edit Details Delete		
6	Tung	Tung@gmail.com	27	HR	Edit Details Delete		
7	Quynh	quynh@gmail.com	30	Staff	Edit Details Delete		
8	Trang	trang@gmail.com	26	Staff	Edit Details Delete		
9	Vu	vu@gmail.com	24	Staff	Edit Details Delete		
10	Thinh	thinh@gmail.com	22	Staff	Edit Details Delete		
11	Khang	khang@gmail.com	17	HR	Edit Details Delete		