```csharp
using ...

namespace ProjectWeek05.Controllers
{
    0 references
    public class CoffeeController : Controller
    {
        // GET: /Coffee/
        CoffeeDBDataContext _context = new CoffeeDBDataContext();

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

        [HttpPost]
        0 references
        public ActionResult Index(HttpPostedFileBase file)
        {
            if (file != null)
            {
                string rootPath = Server.MapPath("~/");
                string fileName = System.IO.Path.GetFileName(file.FileName);
                string destFile = System.IO.Path.Combine(rootPath, "Assets\\images\\" + fileName);
                file.SaveAs(destFile);
            }
            return View();
        }

        0 references
        public ActionResult ListCoffee()
        {
            var coffee = _context.Coffees.ToList();
            return Json(coffee, JsonRequestBehavior.AllowGet);
        }

        [HttpPost]
        0 references
        public ActionResult Create([Bind(Exclude = "Id")] Coffee coffee)
        {
            if (ModelState.IsValid)
            {
                string rootPath = Server.MapPath("~/");
                string fileName = System.IO.Path.GetFileName(coffee.ImagePath);
                coffee.ImagePath = "images/" + fileName;
                _context.Coffees.InsertOnSubmit(coffee);
                _context.SubmitChanges();
            }
            return Json(coffee, JsonRequestBehavior.AllowGet);
        }

        [HttpPost]
        0 references
        public ActionResult Delete(int id)
        {
            var coffee = _context.Coffees.ToList().Find(m => m.Id == id);
            if (coffee != null)
            {
                _context.Coffees.DeleteOnSubmit(coffee);
                _context.SubmitChanges();
            }
            return Json(coffee, JsonRequestBehavior.AllowGet);
        }

        0 references
        public ActionResult Get(int id)
        {
            var coffee = _context.Coffees.ToList().Find(m => m.Id == id);

            string rootPath = Server.MapPath("~/");
            string fileName = System.IO.Path.GetFileName(coffee.ImagePath);
            string destFile = System.IO.Path.Combine(rootPath, "Assets\\images\\" + fileName);
            coffee.ImagePath = destFile;

            return Json(coffee, JsonRequestBehavior.AllowGet);
        }

        [HttpPost]
        0 references
        public ActionResult Update(Coffee coffee)
        {
            if (ModelState.IsValid)
            {
                string rootPath = Server.MapPath("~/");
                string fileName = System.IO.Path.GetFileName(coffee.ImagePath);
                coffee.ImagePath = "images/" + fileName;

                Coffee mv = (from p in _context.Coffees
                             where p.Id == coffee.Id
                             select p).SingleOrDefault();

                mv.CoffeeName = coffee.CoffeeName;
                mv.ImagePath = coffee.ImagePath;
                mv.Type = coffee.Type;
                mv.Price = coffee.Price;
                _context.SubmitChanges();

            }
            return Json(coffee, JsonRequestBehavior.AllowGet);
        }
    }
}
```

_Layout.cshtml

```html
1   <!DOCTYPE html>
2   <html>
3   <head>
4       <meta charset="utf-8" />
5       <meta name="viewport" content="width=device-width, initial-scale=1.0">
6       <title>@ViewBag.Title - My ASP.NET Application</title>
7       <link href="~/Content/Site.css" rel="stylesheet" type="text/css" />
8       <link href="~/Content/bootstrap.min.css" rel="stylesheet" type="text/css" />
9       <script src="~/Scripts/modernizr-2.8.3.js"></script>
10  </head>
11  <body>
12      <div class="navbar navbar-inverse navbar-fixed-top">
13          <div class="container">
14              <div class="navbar-header">
15                  <button type="button" class="navbar-toggle" data-toggle="collapse" data-target=".navbar-collapse">
16                      <span class="icon-bar"></span>
17                      <span class="icon-bar"></span>
18                      <span class="icon-bar"></span>
19                  </button>
20                  @Html.ActionLink("Application name", "Index", "Home", new { area = "" }, new { @class = "navbar-brand" })
21              </div>
22              <div class="navbar-collapse collapse">
23                  <ul class="nav navbar-nav">
24                  </ul>
25              </div>
26          </div>
27      </div>
28
29      <div class="container body-content">
30          @RenderBody()
31          <hr />
32          <footer>
33              <p>&copy; @DateTime.Now.Year - My ASP.NET Application</p>
34          </footer>
35      </div>
36
37      <script src="~/Scripts/jquery-3.4.1.min.js"></script>
38      <script src="~/Scripts/bootstrap.min.js"></script>
39  </body>
40  </html>
```

CoffeeLayout.cshtml

```html
1
2   @{
3       Layout = null;
4   }
5
6   <!doctype html>
7   <html lang="en">
8   <head>
9       <title>CoffeeCols</title>
10      <link rel="stylesheet" href="~/Assets/style_lab5.css" type="text/css" media="screen" />
11      <link rel="stylesheet" type="text/css" href="~/Assets/print.css" media="print" />
12      <link rel="stylesheet" type="text/css" href="~/Content/bootstrap.css" />
13      <script type="text/javascript" src="http://code.jquery.com/jquery-latest.js"></script>
14      <script type="text/javascript" src="~/Assets/js/equalcolumns.js"></script>
15
16      <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/css/bootstrap.min.css">
17      <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.3.1/jquery.min.js"></script>
18      <script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/js/bootstrap.min.js"></script>
19
20      <!--[if IE]><script src="http://html5shiv.googlecode.com/svn/trunk/html5.js"></script><![endif]-->
21      <script type="text/javascript" src="~/Assets/js/jquery-1.4.2.min.js"></script>
22      <script type="text/javascript" src="~/Assets/js/jquery-func.js"></script>
23      @RenderSection("Script", required: false)
24  </head>
25  <body>
26
27      <header>
28          <h1>CoffeeCols</h1>
29      </header>
30      <nav>
31          <ul>
32              <li class="selected"><a href="#">Home</a></li>
33              <li><a href="#">About</a></li>
34              <li><a href="#">Products</a></li>
35              <li><a href="#">Contact</a></li>
36              <li><a href="#">Support</a></li>
37          </ul>
38      </nav>
39      <section id="intro">
40          <header>
41              <h2>Best Coffee</h2>
42          </header>
43          <p></p>
44          <img src="~/Assets/images/introimage.png" alt="lime" />
45      </section>
46
```

```
47    <section id="content">
48        <p><button type="button" id="btnCreateNew" data-toggle="modal" data-target="#CreateEditModal" class="btn btn-primary btn-md">Add New Coffee</
49        <ul class="column">
50            <h2>Vietnamese Coffee Style</h2>
51            @RenderSection("VN_STYLE", required: false)
52        </ul>
53    </section>
54
55    <section id="content">
56        <ul class="column">
57            <h2>Espresso_Coffee</h2>
58            @RenderSection("Espresso_Coffee", required: false)
59        </ul>
60    </section>
61
62    <section id="content">
63        <ul class="column">
64            <h2>Blended</h2>
65            @RenderSection("Blended", required: false)
66        </ul>
67    </section>
68
69    <footer>
70        <section>
71            <h3>Left Stuff</h3>
72            <p>Left aligned text here. Proin metus odio, ultricies eu pharetra dictum, laoreet id odio. Curabitur in odio augue.
73            Morbi congue auctor interdum. Phasellus sit amet metus justo.</p>
74            <p>Next line here</p>
75        </section>
76
77        <section>
78            <h3>Center Stuff</h3>
79            <p>Center Text here. Proin metus odio, ultricies eu pharetra dictum, laoreet id odio. Curabitur in odio augue.
80            Morbi congue auctor interdum. Phasellus sit amet metus justo.</p>
81            <p>Next line here</p>
82        </section>
83
84        <section>
85            <h3>Right Stuff</h3>
86            <p>&copy; 2010 <a href="#" title="your site name">yoursite.com</a> All rights reserved.</p>
87            <p>Center Text here. Proin metus odio, ultricies eu pharetra dictum, laoreet id odio. Curabitur in odio augue.
88            Morbi congue auctor interdum. Phasellus sit amet metus justo.</p>
89        </section>
90    </footer>
91    <!-- Free template created by http://freehtml5templates.com -->
92    @RenderSection("MODEL_DIALOG", required: false)
```

Index.cshtml

```
1    @{
2        ViewBag.Title = "Index";
3        Layout = "~/Views/Shared/CoffeeLayout.cshtml";
4    }
5
6    @section VN_STYLE{
7        <link rel="stylesheet" href="~/Assets/style_lab5.css" type="text/css" media="screen" />
8        <div class="vn_style">
9
10       </div>
11   }
12
13   @section Espresso_Coffee{
14       <div class="espresso_coffee">
15
16       </div>
17   }
18
19   @section Blended{
20       <div class="blended">
21
22       </div>
23   }
24
25   @section MODEL_DIALOG {
26       <div class="modal fade" id="CreateEditModal" role="dialog">
27           <div class="modal-dialog btn-lg">
28               <div class="modal-content">
29                   <div class="modal-header">
30                       <button type="button" class="close" data-dismiss="modal">&times;</button>
31                       <h4 class="modal-title"><label id="title">No Title</label></h4>
32                   </div>
33                   <div class="modal-body">
34                       <div class="form-horizontal">
35                           <div class="form-group">
36                               <div class="col-md-10">
37                                   <input type="hidden" class="form-control" id="Id" />
38                                   <label>Coffee Names</label>
39                                   <input type="text" id="CoffeeName" class="form-control" />
40                               </div>
41                           </div>
42                           <div class="form-group">
43                               <div class="col-md-10">
44                                   @using (Html.BeginForm("Index", "Coffee", null, FormMethod.Post,
45                                       new { enctype = "multipart/form-data", id = "UploadForm" }))
46                                   {
```

```html
                                        {
                                            <label>Image Path</label>
                                            <input type="file" name="file" class="form-control-file" id="ImagePath" />
                                            <input type="submit" id="btnsubmit" class="hidden" />
                                        }
                                    </div>
                                </div>
                                <div class="form-group">
                                    <div class="col-md-10">
                                        <label>Type</label>
                                        <select class="form-control" id="Type">
                                            <option value="VN_STYLE">VN_STYLE</option>
                                            <option value="Espresso_Coffee">Espresso_Coffee</option>
                                            <option value="Blended">Blended</option>
                                        </select>
                                    </div>
                                </div>
                                <div class="form-group">
                                    <div class="col-md-10">
                                        <label>Coffee Price</label>
                                        <input type="text" id="Price" class="form-control" />
                                    </div>
                                </div>
                            </div>
                        </div>
                        <div class="modal-footer">
                            <button type="button" id="btnClose" class="btn btn-default" data-dismiss="modal">Close</button>
                            <button type="button" id="btnSave" class="btn btn-primary" data-dismiss="modal">Save</button>
                        </div>
                    </div>
                </div>
            </div>
}


@section Script{
    <script type="text/javascript">
        var isUpdatable = false;
        var currentUpdatePath = "";
        var currentId = 0;

        $(document).ready(function () {
            showCoffee();
            $("#btnCreateNew").click(function (e) {
                if (!isUpdatable)
                if (!isUpdatable)
                    $("#title").text("Create New");
                else
                    $("#title").text("Edit");
            });

            $("#btnClose").click(function (e) {
                clearModalContent();
            });

            $("#btnSave").click(function (e) {

                var data = {
                    Id: $("#Id").val(),
                    CoffeeName: $.trim($("#CoffeeName").val()),
                    ImagePath: $("#ImagePath").val(),
                    Type: $("#Type").val(),
                    Price: $("#Price").val()
                }

                if (!isUpdatable) {
                    if (!data.ImagePath || !data.CoffeeName) {
                        alert("You should input MovieName and choose movie poster");
                        return;
                    }
                }
                else {
                    if (!data.ImagePath)
                        data.ImagePath = currentUpdatePath;
                    data.Id = currentId;
                }

                alert(data.ImagePath);
                $("#UploadForm").submit();

                if (!isUpdatable) {
                    $.ajax({
                        url: '/Coffee/Create/',
                        type: 'POST',
                        dataType: 'json',
                        data: data,
                        success: function (data) {
                            showCoffee();
                            clearModalContent();
                        },
                        error: function (err) {
```

```javascript
                        error: function (err) {
                            alert("Error:" + err.responseText);
                        }
                    });
                }
                else {
                    $.ajax({
                        url: '/Coffee/Update/',
                        type: 'POST',
                        dataType: 'json',
                        data: data,
                        success: function (data) {
                            showCoffee();
                            clearModalContent();
                        },
                        error: function (err) {
                            alert("Error:" + err.responseText);
                        }
                    });
                }
            });
            function clearModalContent() {
                $("#CoffeeName").val(""),
                    $("#ImagePath").val(""),
                    $("#Type").val(""),
                    $("#Price").val("");
            }

        });

        function showCoffee() {
            $(".vn_style").empty();
            $(".espresso_coffee").empty();
            $(".blended").empty();

            $.ajax({
                url: '/Coffee/ListCoffee/',
                type: 'GET',
                dataType: 'json',
                success: function (data) {
                    $.each(data, function (i, item) {
                        var id = item.Id;
                        var coffeename = item.CoffeeName;
                        var coffeepath = item.ImagePath;
                        var price = item.Price;
                        var classname = "";
```

```javascript
                        var classname = "";
                        if (item.Type == "VN_STYLE")
                            classname = ".vn_style";
                        if (item.Type == "Espresso_Coffee")
                            classname = ".espresso_coffee";
                        if (item.Type == "Blended")
                            classname = ".blended";
                        AppendNewCoffee(id, classname, coffeename, coffeepath, price);
                    });
                },
                error: function (err) {
                    alert("Error:" + err.responseText);
                }
            });
        }
        function AppendNewCoffee(id, classname, coffeename, coffeepath, price) {
            var rows = ' ';
            rows += "<li>";
            rows += "<section class='block'>";
            rows += "<div class='imgCoffee'>";
            rows += "<a href='#'><img src=\"/Assets/" + coffeepath + "\" alt = 'coffee' /></a > ";
            rows += "</div>";
            rows += "<h2>" + coffeename + " <a href='#'>" + price + "$</a></h2>";
            rows += "<button type = 'button' id = 'btnEdit' class = 'btn btn-primary btn-xs me-2' data-toggle ='modal' data-target='#CreateEditModal' onclick='return getDetailCoffee(" + id + ")'> Edit </butto
            rows += "<button type = 'button' id = 'btnDelete' class = 'btn btn-danger btn-xs' onclick='return deleteCoffee(" + id + ")'> Delete </button>";
            rows += "</section>";
            rows += "</li>";
            $(classname).append(rows);
        }
        function deleteCoffee(id) {
            var confirmDelete = confirm("Do you want to delete this coffee ?");
            $.ajax({
                url: '/Coffee/Delete/' + id,
                type: 'POST',
                dataType: 'json',
                success: function (data) {
                    showCoffee();
                },
                error: function (err) {
                    alert("Error:" + err.responseText);
                }
            });
        }

        function getDetailCoffee(id) {
            isUpdatable = true;
```

```javascript
        function getDetailCoffee(id) {
            isUpdatable = true;
            currentUpdatePath = "";
            currentId = 0;
            $("#title").text("Edit");

            $.ajax({
                url: '/Coffee/Get/' + id,
                type: 'GET',
                dataType: 'json',
                success: function (data) {
                    $("#CoffeeName").val(data.CoffeeName);
                    $("#Price").val(data.Price);
                    $("#Type").val(data.Type.trim());
                    currentUpdatePath = data.ImagePath;
                    currentId = data.Id;
                },
                error: function (err) {
                    alert("Error:" + err.responseText);
                }
            });
        }
    </script>
}
```

CoffeeCols

Best Coffee

Add New Coffee

Vietnamese Coffee Style

BACXIU 1$
Edit Delete

CAFESUA 2$
Edit Delete

PHIN 1$
Edit Delete

Espresso_Coffee

LATTE 2$
Edit Delete

CF-ESPRESSO 2$
Edit Delete

Blended
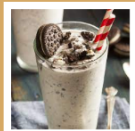
COFFEE-OREO 3$
Edit Delete

MATCHA_LATE 3$
Edit Delete

Left Stuff

Left aligned text here. Proin metus odio, ultricies eu pharetra dictum, laoreet id odio. Curabitur in odio augue. Morbi congue auctor interdum. Phasellus sit amet metus justo.

Next line here

Center Stuff

Center Text here. Proin metus odio, ultricies eu pharetra dictum, laoreet id odio. Curabitur in odio augue. Morbi congue auctor interdum. Phasellus sit amet metus justo.

Next line here

Right Stuff

Center Text here. Proin metus odio, ultricies eu pharetra dictum, laoreet id odio. Curabitur in odio augue. Morbi congue auctor interdum. Phasellus sit amet metus justo.

Add New Coffee

Create New

Coffee Names

COFFEE-BANANA

Image Path

Choose File   blended-banana.png

Type

Blended

Coffee Price

3

Close   Save

Vietnamese Coffee S

BACXIU 1$

Edit   Delete

Espresso_Coffee

Blended

**COFFEE-OREO
3$**

Edit   Delete

**MATCHA_LATE
3$**

Edit   Delete

**COFFEE-BANANA
3$**

Edit   Delete

Best Coffee

localhost:44359 says

Do you want to delete this coffee ?

OK   Cancel

Add New Coffee

Vietnamese Coffee Style

BACXIU 1$
Edit   Delete

CAFESUA 2$
Edit   Delete

PHIN 1$
Edit   Delete

Add New Coffee

Vietnamese Coffee Style

BACXIU 1$
Edit   Delete

CAFESUA 2$
Edit   Delete

Edit

Coffee Names

PHIN

Image Path

Choose File   phin.jpg

Type

VN_STYLE

Coffee Price

2

Close   Save

Vietnamese Coffee S

BACXIU 1$

Edit   Delete

Espresso_Coffee

Edit

Coffee Names

CAFESUA

Image Path

Choose File   No file chosen

Type

VN_STYLE

Coffee Price

2

Close   Save

Vietnamese Coffee S

BACXIU 1$

Edit   Delete

Espresso_Coffee

Add New Coffee

Vietnamese Coffee Style

BACXIU 1$

Edit   Delete

PHIN 2$

Edit   Delete