

## Phase 2

### Phase End Project –2

#### Source Code

##### Laptop.cs

```
using System;  
  
using System.Collections.Generic;  
  
using System.ComponentModel.DataAnnotations;  
  
using System.ComponentModel.DataAnnotations.Schema;  
  
using System.Linq;  
  
using System.Web;
```

```
namespace EcommerceSite.Models  
{  
    [Table("Laptop")]  
    public class Laptop  
    {  
        [Key]  
        public int Id { get; set; }  
        public string Company { get;set; }  
        public string ModelName { get;set; }  
        public double Price { get;set; }  
    }  
}
```

##### LaptopsController.cs

```
using System;  
  
using System.Collections.Generic;  
  
using System.Data;  
  
using System.Data.Entity;
```

```
using System.Linq;
using System.Net;
using System.Web;
using System.Web.Mvc;
using EcommerceSite.Data;
using EcommerceSite.Models;

namespace EcommerceSite.Controllers
{
    public class LaptopsController : Controller
    {
        private EcommerceSiteDbContext db = new EcommerceSiteDbContext();

        // GET: Laptops
        public ActionResult Index()
        {
            return View(db.Laptops.ToList());
        }

        // GET: Laptops/Details/5
        public ActionResult Details(int? id)
        {
            if (id == null)
            {
                return new HttpStatusCodeResult(HttpStatusCode.BadRequest);
            }
            Laptop laptop = db.Laptops.Find(id);
            if (laptop == null)
            {
```

```

        return HttpNotFound();
    }
    return View(laptop);
}

// GET: Laptops/Create
public ActionResult Create()
{
    return View();
}

// POST: Laptops/Create
// To protect from overposting attacks, enable the specific properties you want to bind to, for
// more details see https://go.microsoft.com/fwlink/?LinkId=317598.
[HttpPost]
[ValidateAntiForgeryToken]
public ActionResult Create([Bind(Include = "Id,Company,ModelName,Price")] Laptop laptop)
{
    if (ModelState.IsValid)
    {
        db.Laptops.Add(laptop);
        db.SaveChanges();
        return RedirectToAction("Index");
    }

    return View(laptop);
}

// GET: Laptops/Edit/5

```

```

public ActionResult Edit(int? id)
{
    if (id == null)
    {
        return new HttpStatusCodeResult(HttpStatusCode.BadRequest);
    }
    Laptop laptop = db.Laptops.Find(id);
    if (laptop == null)
    {
        return HttpNotFound();
    }
    return View(laptop);
}

```

// POST: Laptops/Edit/5

// To protect from overposting attacks, enable the specific properties you want to bind to, for

// more details see <https://go.microsoft.com/fwlink/?LinkId=317598>.

[HttpPost]

[ValidateAntiForgeryToken]

public ActionResult Edit([Bind(Include = "Id,Company,ModelName,Price")] Laptop laptop)

```

{
    if (ModelState.IsValid)
    {
        db.Entry(laptop).State = EntityState.Modified;
        db.SaveChanges();
        return RedirectToAction("Index");
    }
    return View(laptop);
}

```

```
// GET: Laptops/Delete/5
```

```
public ActionResult Delete(int? id)
{
    if (id == null)
    {
        return new HttpStatusCodeResult(HttpStatusCode.BadRequest);
    }
    Laptop laptop = db.Laptops.Find(id);
    if (laptop == null)
    {
        return HttpNotFound();
    }
    return View(laptop);
}
```

```
// POST: Laptops/Delete/5
```

```
[HttpPost, ActionName("Delete")]
[ValidateAntiForgeryToken]
public ActionResult DeleteConfirmed(int id)
{
    Laptop laptop = db.Laptops.Find(id);
    db.Laptops.Remove(laptop);
    db.SaveChanges();
    return RedirectToAction("Index");
}
```

```
protected override void Dispose(bool disposing)
```

```
{
```

```

        if (disposing)
        {
            db.Dispose();
        }

        base.Dispose(disposing);
    }
}

```

### Layout.cshtml

```

<!DOCTYPE html>

<html>

<head>

    <meta charset="utf-8" />

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>@ViewBag.Title - My ASP.NET Application</title>

    @Styles.Render("~/Content/css")

    @Scripts.Render("~/bundles/modernizr")

</head>

<body>

    <nav class="navbar navbar-expand-sm navbar-toggleable-sm navbar-dark bg-dark">

        <div class="container">

            @Html.ActionLink("Application name", "Index", "Home", new { area = "" }, new { @class =
"navbar-brand" })

            <button type="button" class="navbar-toggler" data-bs-toggle="collapse" data-bs-target=".navbar-
collapse" title="Toggle navigation" aria-controls="navbarSupportedContent"

                aria-expanded="false" aria-label="Toggle navigation">

                <span class="navbar-toggler-icon"></span>

            </button>

            <div class="collapse navbar-collapse d-sm-inline-flex justify-content-between">

```

```

        <ul class="navbar-nav flex-grow-1">
            <li>@Html.ActionLink("Laptop", "Index", "Laptops", new { area = "" }, new { @class = "nav-link" })</li>
        </ul>
    </div>
</div>
</nav>
<div class="container body-content">
    @RenderBody()
    <hr />
    <footer>
        <p>&copy; @DateTime.Now.Year - My ASP.NET Application</p>
    </footer>
</div>

```

```

    @Scripts.Render("~/bundles/jquery")
    @Scripts.Render("~/bundles/bootstrap")
    @RenderSection("scripts", required: false)
</body>
</html>

```

### Index.cshtml

```

<!DOCTYPE html>
<html>
<head>
    <meta charset="utf-8" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>@ViewBag.Title - My ASP.NET Application</title>
    @Styles.Render("~/Content/css")
    @Scripts.Render("~/bundles/modernizr")

```

```

</head>

<body>

    <nav class="navbar navbar-expand-sm navbar-toggleable-sm navbar-dark bg-dark">

        <div class="container">

            @Html.ActionLink("Application name", "Index", "Home", new { area = "" }, new { @class =
"navbar-brand" })

            <button type="button" class="navbar-toggler" data-bs-toggle="collapse" data-bs-target=".navbar-
collapse" title="Toggle navigation" aria-controls="navbarSupportedContent"

                aria-expanded="false" aria-label="Toggle navigation">

                    <span class="navbar-toggler-icon"></span>

            </button>

            <div class="collapse navbar-collapse d-sm-inline-flex justify-content-between">

                <ul class="navbar-nav flex-grow-1">

                    <li>@Html.ActionLink("Laptop", "Index", "Laptops", new { area = "" }, new { @class = "nav-
link" })</li>

                </ul>

            </div>

        </div>

    </nav>

    <div class="container body-content">

        @RenderBody()

        <hr />

        <footer>

            <p>&copy; @DateTime.Now.Year - My ASP.NET Application</p>

        </footer>

    </div>

    @Scripts.Render("~/bundles/jquery")

    @Scripts.Render("~/bundles/bootstrap")

    @RenderSection("scripts", required: false)

```



</body>

</html>