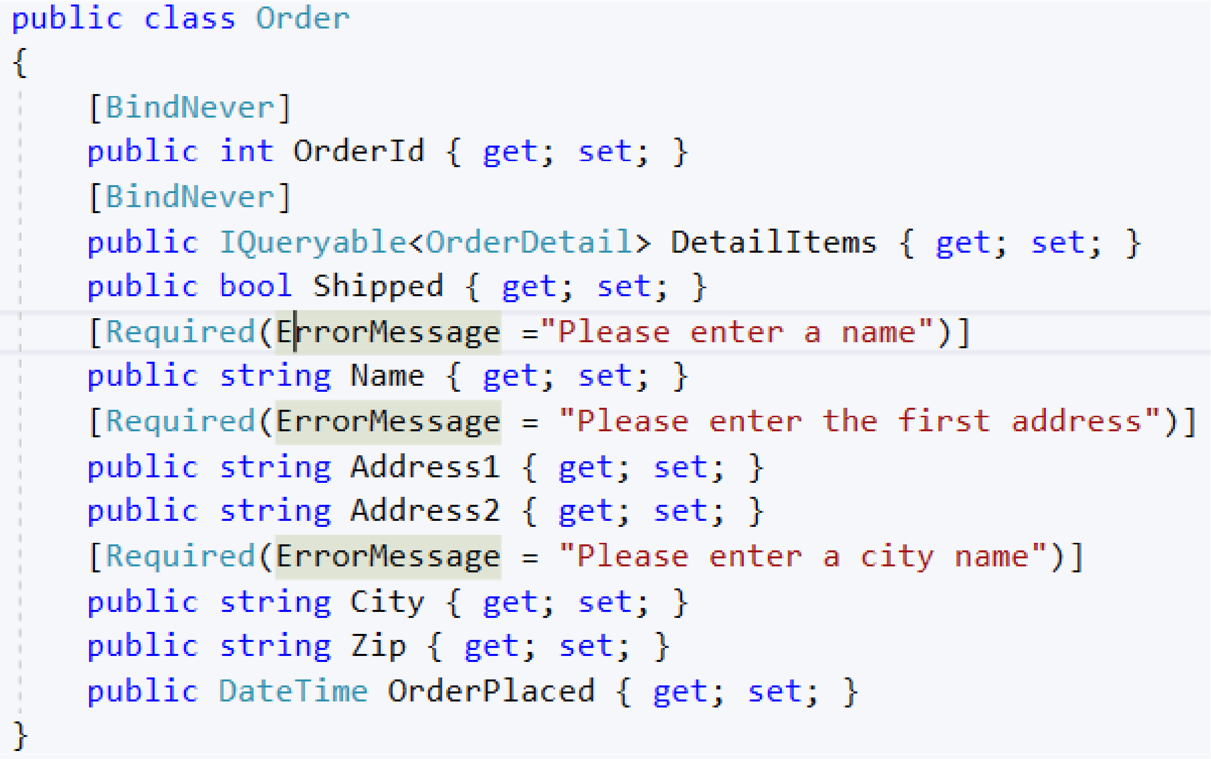
Ứng dụng SportsStore- Đặt hàng

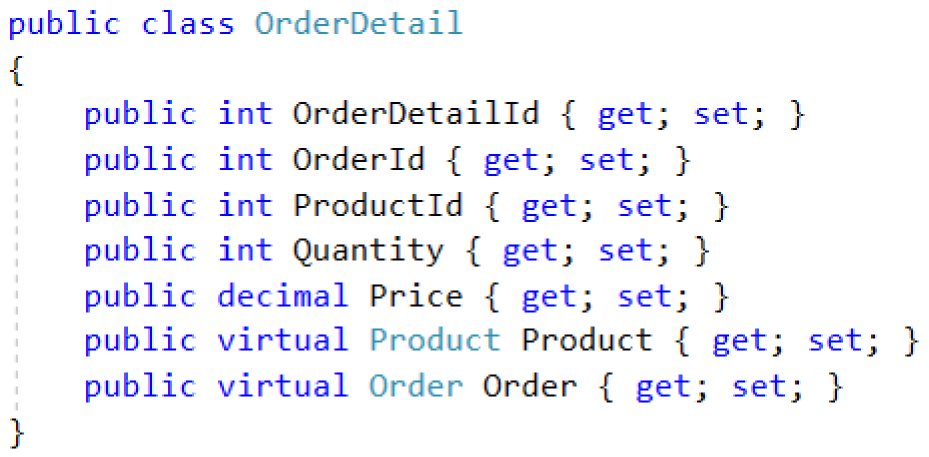
1. Tạo model class

- Tạo model class **Order.cs** để quản lý đơn đặt hàng như sau:



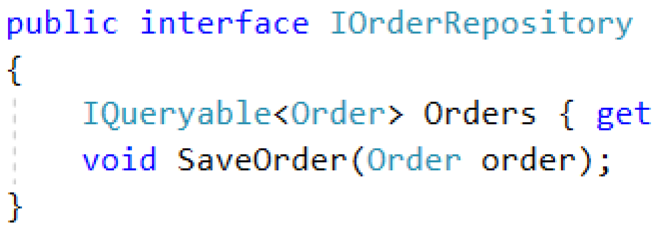
```
public class Order
{
    [BindNever]
    public int OrderId { get; set; }
    [BindNever]
    public IQueryable<OrderDetail> DetailItems { get; set; }
    public bool Shipped { get; set; }
    [Required(ErrorMessage ="Please enter a name")]
    public string Name { get; set; }
    [Required(ErrorMessage = "Please enter the first address")]
    public string Address1 { get; set; }
    public string Address2 { get; set; }
    [Required(ErrorMessage = "Please enter a city name")]
    public string City { get; set; }
    public string Zip { get; set; }
    public DateTime OrderPlaced { get; set; }
}
```

- Tạo model class **OrderDetail.cs** để quản lý chi tiết của đơn đặt hàng như sau:



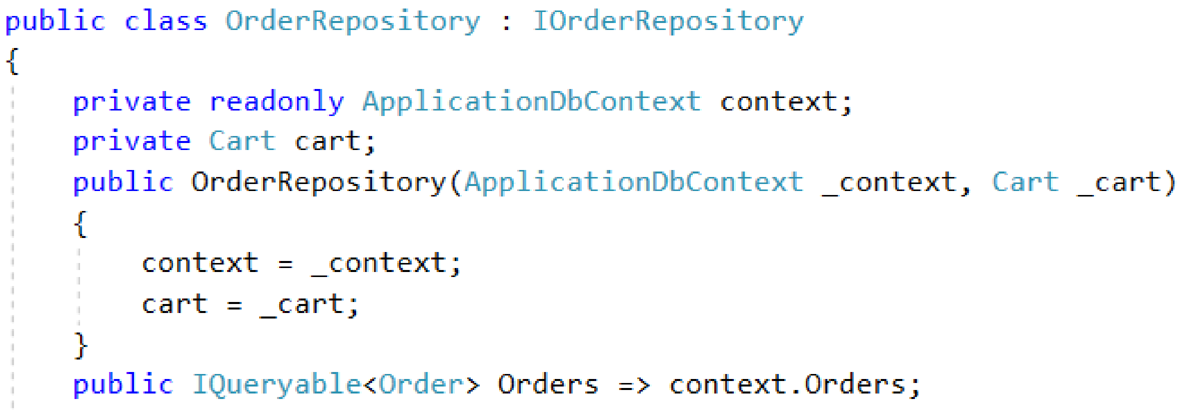
```
public class OrderDetail
{
    public int OrderDetailId { get; set; }
    public int OrderId { get; set; }
    public int ProductId { get; set; }
    public int Quantity { get; set; }
    public decimal Price { get; set; }
    public virtual Product Product { get; set; }
    public virtual Order Order { get; set; }
}
```

- Tạo interface **IOrderRepository.cs** để quản lý danh sách các đơn đặt hàng

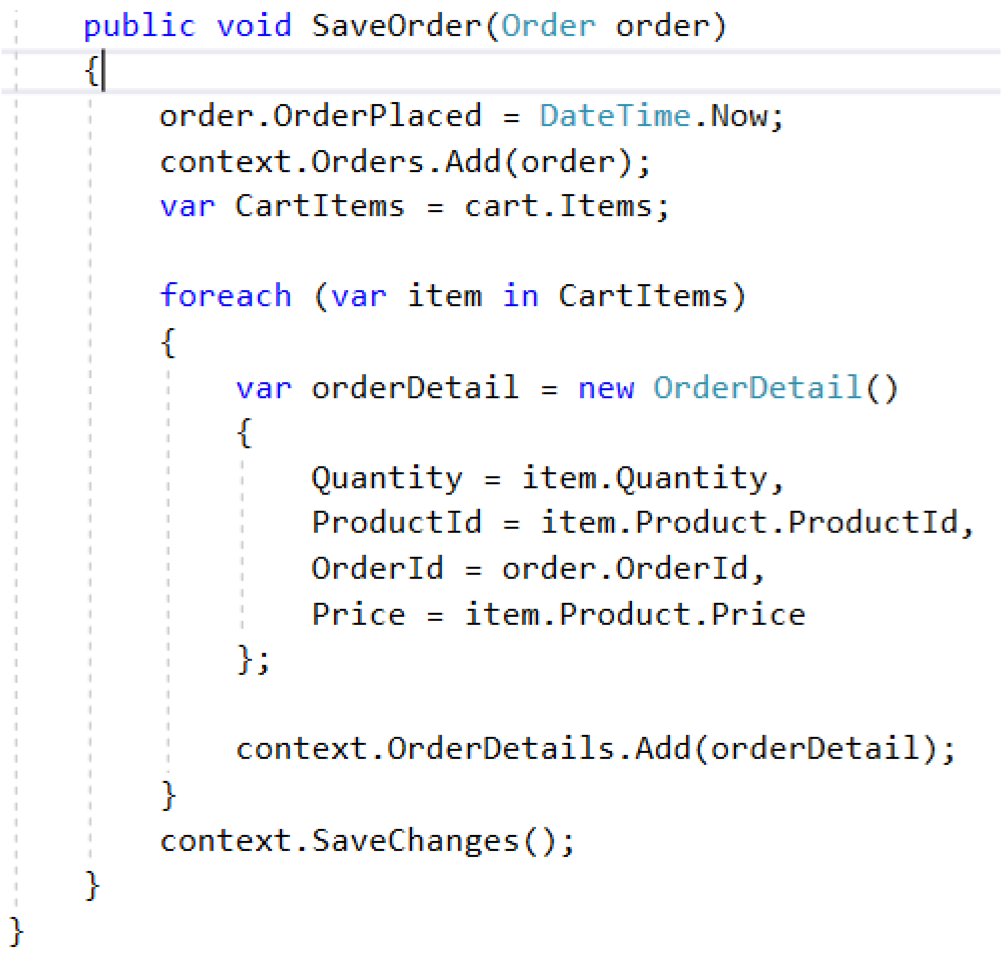


```
public interface IOrderRepository
{
    IQueryable<Order> Orders { get; }
    void SaveOrder(Order order);
}
```

- Tạo class **OrderRepository** thực thi interface **IOrderRepository**

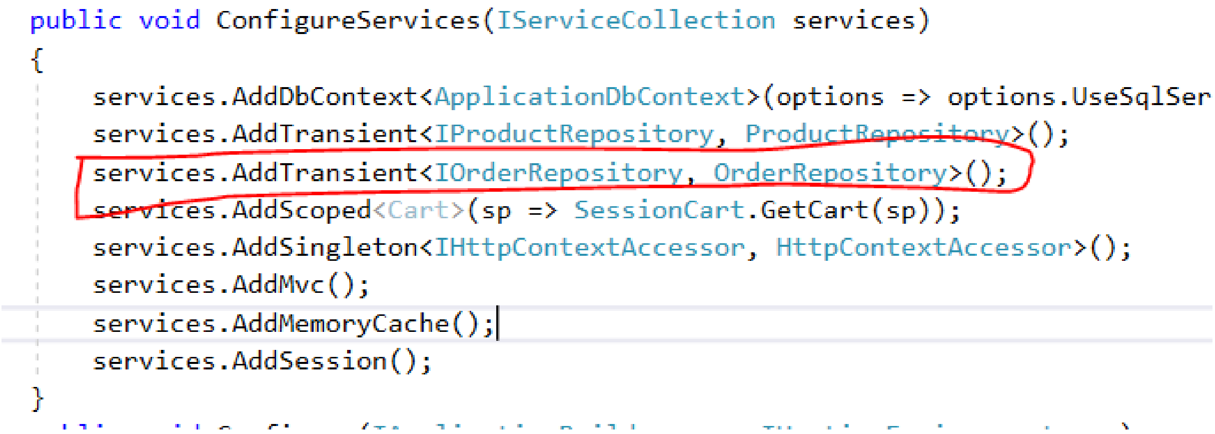


```
public class OrderRepository : IOrderRepository
{
    private readonly ApplicationDbContext context;
    private Cart cart;
    public OrderRepository(ApplicationDbContext _context, Cart _cart)
    {
        context = _context;
        cart = _cart;
    }
    public IQueryable<Order> Orders => context.Orders;
```



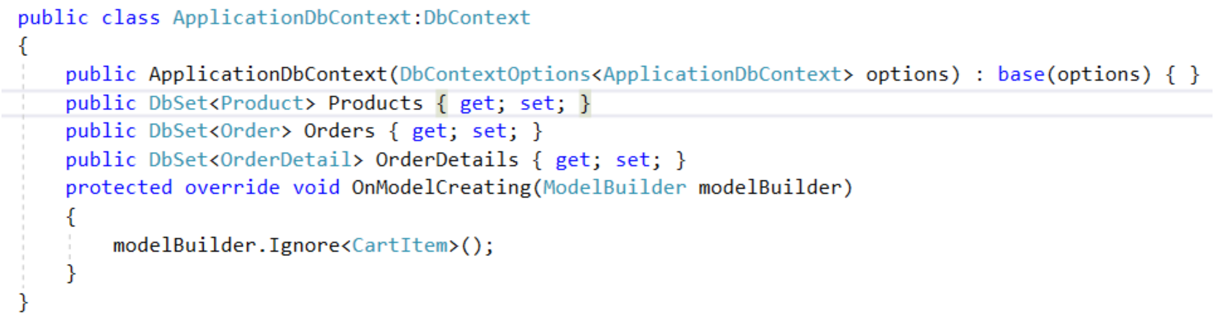
```
    public void SaveOrder(Order order)
    {
        order.OrderPlaced = DateTime.Now;
        context.Orders.Add(order);
        var CartItems = cart.Items;

        foreach (var item in CartItems)
        {
            var orderDetail = new OrderDetail()
            {
                Quantity = item.Quantity,
                ProductId = item.Product.ProductId,
                OrderId = order.OrderId,
                Price = item.Product.Price
            };

            context.OrderDetails.Add(orderDetail);
        }
        context.SaveChanges();
    }
}
```

2. Đăng ký Order Repository service trong file Startup.cs



```
public void ConfigureServices(IServiceCollection services)
{
    services.AddDbContext<ApplicationDbContext>(options => options.UseSqlSer
    services.AddTransient<IProductRepository, ProductRepository>();
    services.AddTransient<IOrderRepository, OrderRepository>();
    services.AddScoped<Cart>(sp => SessionCart.GetCart(sp));
    services.AddSingleton<IHttpContextAccessor, HttpContextAccessor>();
    services.AddMvc();
    services.AddMemoryCache();
    services.AddSession();
}
```

3. Thêm thuộc tính vào trong class ApplicationDbContext.cs như sau:



```
public class ApplicationDbContext:DbContext
{
    public ApplicationDbContext(DbContextOptions<ApplicationDbContext> options) : base(options) { }
    public DbSet<Product> Products { get; set; }
    public DbSet<Order> Orders { get; set; }
    public DbSet<OrderDetail> OrderDetails { get; set; }
    protected override void OnModelCreating(ModelBuilder modelBuilder)
    {
        modelBuilder.Ignore<CartItem>();
    }
}
```

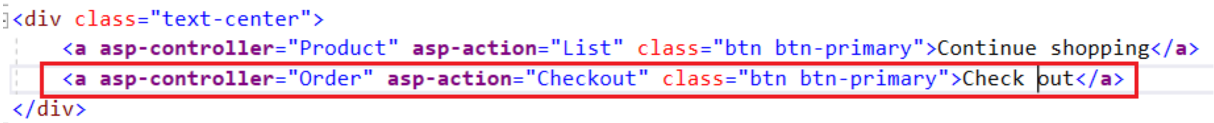
4. Cập nhật cơ sở dữ liệu để thêm 2 bảng Orders và OrderDetail

Chạy 2 câu lệnh sau trong cửa sổ Nuget Package Console

Add-migration Orders

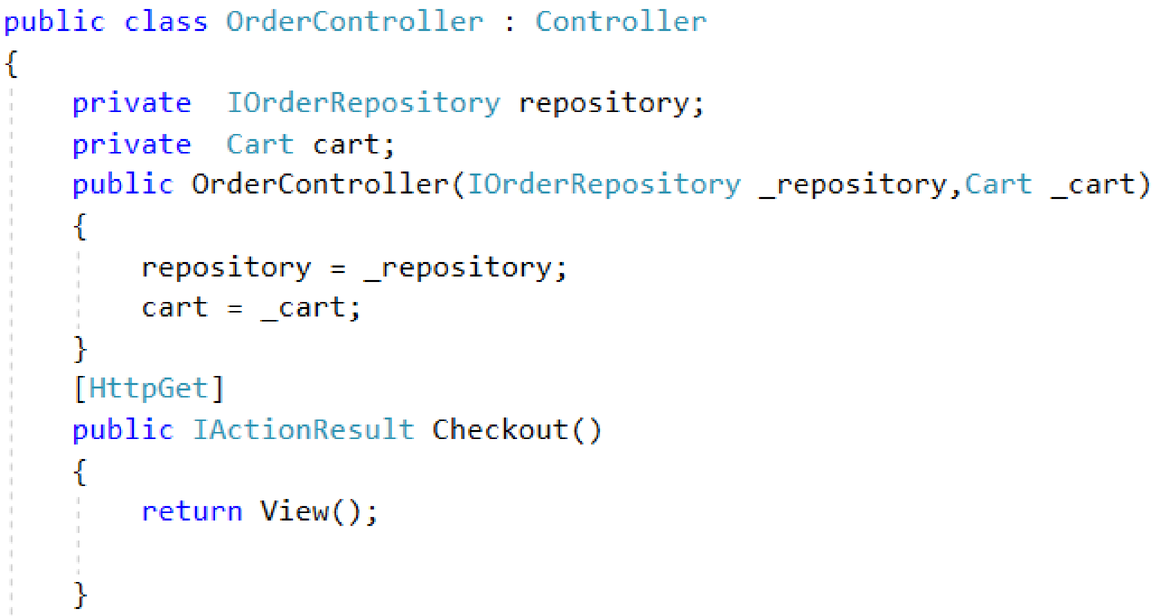
Update-database

5. Thêm nút Check out trong view Cart/Index.cshtml

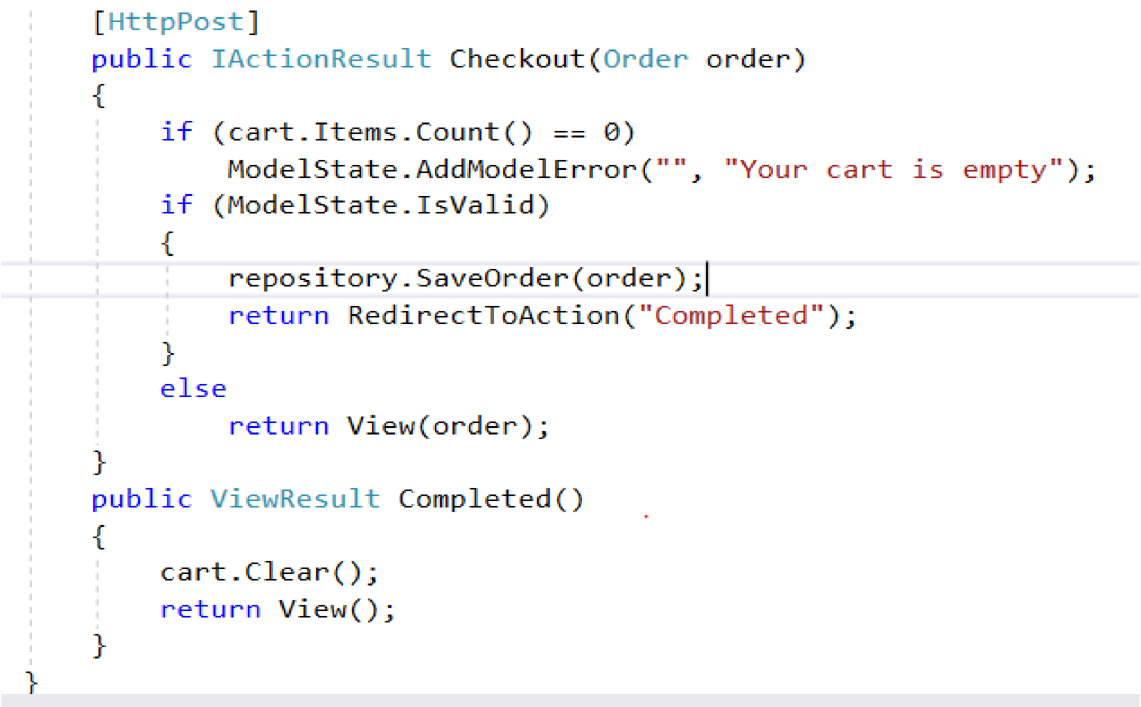


```
<div class="text-center">
    <a asp-controller="Product" asp-action="List" class="btn btn-primary">Continue shopping</a>
    <a asp-controller="Order" asp-action="Checkout" class="btn btn-primary">Check out</a>
</div>
```

6. Tạo Controller OrderController.cs trong thư mục Controllers



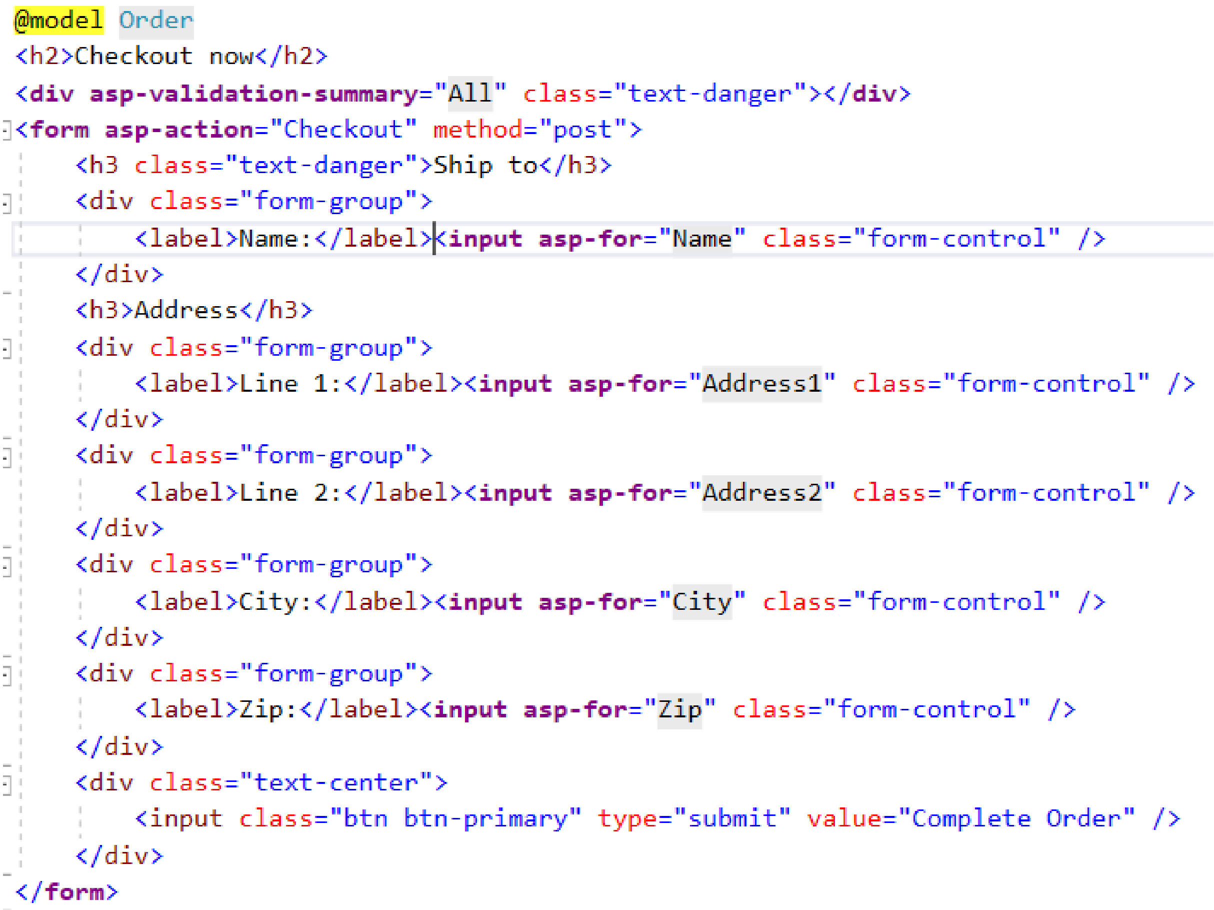
```
public class OrderController : Controller
{
    private  IOrderRepository repository;
    private  Cart cart;
    public OrderController(IOrderRepository _repository,Cart _cart)
    {
        repository = _repository;
        cart = _cart;
    }
    [HttpGet]
    public IActionResult Checkout()
    {
        return View();

    }
```



```
        [HttpPost]
        public IActionResult Checkout(Order order)
        {
            if (cart.Items.Count() == 0)
                ModelState.AddModelError("", "Your cart is empty");
            if (ModelState.IsValid)
            {
                repository.SaveOrder(order);
                return RedirectToAction("Completed");
            }
            else
                return View(order);
        }
        public ViewResult Completed()
        {
            cart.Clear();
            return View();
        }
    }
```

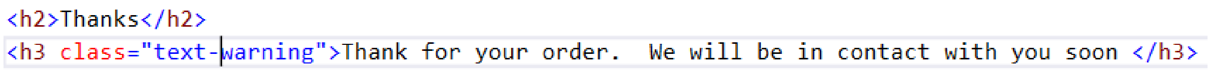
7. Tạo View Checkout và Completed

- Trong thư mục View, tạo thư mục Order
- Trong thư mục Order, tạo View Checkout.cshtml như sau



```
@model Order
<h2>Checkout now</h2>
<div asp-validation-summary="All" class="text-danger"></div>
<form asp-action="Checkout" method="post">
    <h3 class="text-danger">Ship to</h3>
    <div class="form-group">
        <label>Name:</label><input asp-for="Name" class="form-control" />
    </div>
    <h3>Address</h3>
    <div class="form-group">
        <label>Line 1:</label><input asp-for="Address1" class="form-control" />
    </div>
    <div class="form-group">
        <label>Line 2:</label><input asp-for="Address2" class="form-control" />
    </div>
    <div class="form-group">
        <label>City:</label><input asp-for="City" class="form-control" />
    </div>
    <div class="form-group">
        <label>Zip:</label><input asp-for="Zip" class="form-control" />
    </div>
    <div class="text-center">
        <input class="btn btn-primary" type="submit" value="Complete Order" />
    </div>
</form>
```

- Trong thư mục Order, tạo View Completed.cshtml như sau



```
<h2>Thanks</h2>
<h3 class="text-warning">Thank for your order.  We will be in contact with you soon </h3>
```