

```
1 using System;
2 using System.Collections.Generic;
3 using System.Linq;
4 using System.Web;
5 using System.Web.Mvc;
6 using Ch24ShoppingCartMVC.Models;
7
8 namespace Ch24ShoppingCartMVC.Controllers {
9     public class CartController : Controller
10    {
11        private CartModel cart = new CartModel();
12
13        [HttpGet]
14        public RedirectToRouteResult Index()
15        {
16            return RedirectToAction("List/");
17        }
18        [HttpGet]
19        public ViewResult List() {
20            CartViewModel model = (CartViewModel)TempData["cart"];
21            //if the model is null, then call the method GetCart
22            if (model == null)
23                model = cart.GetCart();
24            //Passing model to View
25            return View(model);
26        }
27        [HttpPost]
28        public RedirectToRouteResult List(OrderViewModel order)
29        {
30            CartViewModel model = cart.GetCart(order.SelectedProduct.ProductID);
31            //Assign the quantity of the selected product to the quantity of the
32            //added product
33            model.AddedProduct.Quantity = order.SelectedProduct.Quantity;
34            //Call the method AddtoCart
35            cart.AddtoCart(model);
36            //Assign model to the TempData
37            TempData["cart"] = model;
38            return RedirectToAction("List", "Cart");
39        }
40    }
41 }
```