

CONTROLLER

PizzaController.cs

```
using Microsoft.AspNetCore.Mvc;
using Microsoft.AspNetCore.Mvc.Rendering;
using Pizza_App_Phase_4_project.Models;

namespace Pizza_App_Phase_4_project.Controllers
{
    public class PizzaController : Controller
    {
        static public List<Pizza> pizzadetails = new List<Pizza>() {

            new Pizza { Pizzald = 100,Type = "chicago", Price =250},
            new Pizza { Pizzald = 101,Type = "california",Price=300},
            new Pizza { Pizzald = 102,Type = "Pepperoni",Price=450}

        };
        static public List<OrderInfo> orderdetails = new List<OrderInfo>();


        public IActionResult Index()
        {
            return View(pizzadetails);
        }


        public IActionResult Cart(int id)
        {
            var found = (pizzadetails.Find(p => p.Pizzald == id));
```

```

        TempData["id"] = id;

        return View(found);

    }

    [HttpPost]
    public IActionResult Cart(IFormCollection f)
    {
        Random r = new Random();
        int id = Convert.ToInt32(TempData["id"]);
        OrderInfo o = new OrderInfo();
        var found = (pizzadetails.Find(p => p.PizzaId == id));
        o.OrderId = r.Next(100, 999);
        o.PizzaId = id;
        o.Price = found.Price;
        o.Type = found.Type;
        o.Quantity = Convert.ToInt32(Request.Form["qty"]);
        o.TotalPrice = o.Price * o.Quantity;

        orderdetails.Add(o);

        return RedirectToAction("Checkout");
    }

    public IActionResult Checkout()
    {
        //var found = orderdetails.Find(p => p.OrderId == orderid);
    }

```

```
        //Console.WriteLine(orderdetails);  
        return View(orderdetails);  
    }  
  
    }  
}
```

MODELS

Pizza.cs

```
using System.ComponentModel.DataAnnotations;
```

```
namespace Pizza_App_Phase_4_project.Models
```

```
{  
    public class Pizza  
    {  
        public int Pizzald { get; set; }  
  
        public string Type { get; set; }  
  
        public int Price { get; set; }  
  
        public int Quantity { get; set; }  
    }  
}
```

OrderInfo.cs

```
namespace Pizza_App_Phase_4_project.Models
```

```

{
    public class OrderInfo :Pizza
    {

        //public OrderInfo(int pizzald, string type, int price, int orderid, int qty, int total )
        //{
        //    OrderId = orderid;
        //    Quantity = qty;
        //    TotalPrice = total;
        //    Pizzald = pizzald;
        //    Type = type;
        //    Price = price;
        //}

        public int OrderId { get; set; }


        public int TotalPrice { get; set; }

    }
}

```

VIEWS

Index.cshtml

```
@model IEnumerable<Pizza_App_Phase_4_project.Models.Pizza>
```

```

@{
    ViewData["Title"] = "Index";
}

```

```
<h1>Welcome to Joe's Pizza:) &#10084;</h1>
```

```
<p>
```

```
  <a asp-action="Create">Create New</a>
```

```
</p>
```

```
<table class="table">
```

```
  <thead>
```

```
    <tr>
```

```
      <th>
```

```
        @Html.DisplayNameFor(model => model.PizzaId)
```

```
      </th>
```

```
      <th>
```

```
        @Html.DisplayNameFor(model => model.Type)
```

```
      </th>
```

```
      <th>
```

```
        @Html.DisplayNameFor(model => model.Price)
```

```
      </th>
```

```
    <th></th>
```

```
  </tr>
```

```
</thead>
```

```
<tbody>
```

```
@foreach (var item in Model) {
```

```
  <tr>
```

```
    <td>
```

```
      @Html.DisplayFor(modelItem => item.PizzaId)
```

```
    </td>
```

```
    <td>
```

```
      @Html.DisplayFor(modelItem => item.Type)
```

```
    </td>
```

```
    <td>
```

```

        @Html.DisplayFor(modelItem => item.Price)
    </td>

    <td>

        @Html.ActionLink("Add to Cart", "Cart", new { id=item.PizzaId }) |

    </td>

</tr>

}

</tbody>

</table>

```

Cart.cs

```
@model Pizza_App_Phase_4_project.Models.Pizza
```

```

@{
    ViewData["Title"] = "Cart";
}

```

```
<h1>Cart</h1>
```

```
<h4>Pizza</h4>
```

```
<hr />
```

```
<div class="row">
```

```
    <div class="col-md-4">
```

```
        <form asp-action="Cart">
```

```
            <div asp-validation-summary="ModelOnly" class="text-danger"></div>
```

```
            <div class="form-group">
```

```
                <label asp-for="PizzaId" class="control-label"></label>
```

```
                <input asp-for="PizzaId" class="form-control" />
```

```
                <span asp-validation-for="PizzaId" class="text-danger"></span>
```

```

</div>
<div class="form-group">
    <label asp-for="Type" class="control-label"></label>
    <input asp-for="Type" class="form-control" />
    <span asp-validation-for="Type" class="text-danger"></span>
</div>
<div class="form-group">
    <label asp-for="Price" class="control-label"></label>
    <input asp-for="Price" class="form-control" />
    <span asp-validation-for="Price" class="text-danger"></span>
</div>
<div class="form-group">
    <label asp-for="Quantity" class="control-label"></label>
    <input asp-for="Quantity" id="qty" name="qty" class="form-control" />
    <span asp-validation-for="Quantity" class="text-danger"></span>
</div>
<div class="form-group">
    <input type="submit" value="Create" class="btn btn-primary" />
</div>
</form>
</div>
</div>

<div>
    <a asp-action="Index">Back to List</a>
</div>

@section Scripts {
    @{await Html.RenderPartialAsync("_ValidationScriptsPartial");}
}

```

Checkout.cs

```
@model IEnumerable<Pizza_App_Phase_4_project.Models.OrderInfo>
```

```
@{
```

```
    ViewData["Title"] = "Checkout";
```

```
}
```

```
<h1>Checkout</h1>
```

```
<p>
```

```
    <a asp-action="Create">Create New</a>
```

```
</p>
```

```
<table class="table">
```

```
    <thead>
```

```
        <tr>
```

```
            <th>
```

```
                @Html.DisplayNameFor(model => model.OrderId)
```

```
            </th>
```

```
            <th>
```

```
                @Html.DisplayNameFor(model => model.Quantity)
```

```
            </th>
```

```
            <th>
```

```
                @Html.DisplayNameFor(model => model.TotalPrice)
```

```
            </th>
```

```
            <th>
```

```
                @Html.DisplayNameFor(model => model.PizzaId)
```

```
            </th>
```

```
            <th>
```

```
                @Html.DisplayNameFor(model => model.Type)
```

```
            </th>
```



```

        <th>
            @Html.DisplayNameFor(model => model.Price)
        </th>
    </th></th>
</tr>
</thead>
<tbody>
@foreach (var item in Model) {
    <tr>
        <td>
            @Html.DisplayFor(modelItem => item.OrderId)
        </td>
        <td>
            @Html.DisplayFor(modelItem => item.Quantity)
        </td>
        <td>
            @Html.DisplayFor(modelItem => item.TotalPrice)
        </td>
        <td>
            @Html.DisplayFor(modelItem => item.PizzaId)
        </td>
        <td>
            @Html.DisplayFor(modelItem => item.Type)
        </td>
        <td>
            @Html.DisplayFor(modelItem => item.Price)
        </td>
        @*<td>
            @Html.ActionLink("Edit", "Edit", new { /* id=item.PrimaryKey */ }) |
            @Html.ActionLink("Details", "Details", new { /* id=item.PrimaryKey */ }) |
            @Html.ActionLink("Delete", "Delete", new { /* id=item.PrimaryKey */ })
        </td>
    </tr>
}

```

```

        </td>*@
    </tr>
}
</tbody>
</table>
-----
Layout.cshtml
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="utf-8" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <title>@ViewData["Title"] - Pizza_App_Phase_4_project</title>
    <link rel="stylesheet" href="~/lib/bootstrap/dist/css/bootstrap.min.css" />
    <link rel="stylesheet" href="~/css/site.css" asp-append-version="true" />
    <link rel="stylesheet" href="~/Pizza_App_Phase_4_project.styles.css" asp-append-version="true" />
</head>
<body>
    <header>
        <nav class="navbar navbar-expand-sm navbar-toggleable-sm navbar-light bg-white border-bottom box-shadow mb-3" >
            <div class="container-fluid" style="background-color: lightgreen">
                <a class="navbar-brand" asp-area="" asp-controller="Home" asp-action="Index">Joe's Pizza</a>
                <button class="navbar-toggler" type="button" data-bs-toggle="collapse" data-bs-target=".navbar-collapse" aria-controls="navbarSupportedContent"
                    aria-expanded="false" aria-label="Toggle navigation">
                    <span class="navbar-toggler-icon"></span>
                </button>
                <div class="navbar-collapse collapse d-sm-inline-flex justify-content-between">
                    <ul class="navbar-nav flex-grow-1">

```

```
        <li class="nav-item">

            <a class="nav-link text-dark" asp-area="" asp-controller="Pizza" asp-
action="Index">Home</a>

        </li>

        <li class="nav-item">

            <a class="nav-link text-dark" asp-area="" asp-controller="Pizza" asp-
action="About">About</a>

        </li>

    </ul>

</div>

</div>

</nav>

</header>

<div class="container">

    <main role="main" class="pb-3">

        @RenderBody()

    </main>

</div>


<footer class="border-top footer text-muted">

    <div class="container">

        &copy; 2022 - Joe's Pizza' - <a asp-area="" asp-controller="Home" asp-
action="Privacy">Privacy</a>

    </div>

</footer>

<script src="~/lib/jquery/dist/jquery.min.js"></script>

<script src="~/lib/bootstrap/dist/js/bootstrap.bundle.min.js"></script>

<script src="~/js/site.js" asp-append-version="true"></script>

    @await RenderSectionAsync("Scripts", required: false)

</body>

</html>
```