SOURCECODE:

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 { PizzaId = 100,Type = "chicago", Price =250},
            new Pizza { PizzaId = 101,Type = "california",Price=300},
            new Pizza { PizzaId = 102,Type = "Pepperoni",Price=450}
        };
        static public List<OrderInfo> orderdetails = new List<OrderInfo>();


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

        }
```

```csharp
public IActionResult Cart(int id)

{

    var found = (pizzadetails.Find(p => p.PizzaId == 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");


}
```

```csharp
        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 PizzaId { 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 pizzaId, string type, int price, int orderid, int qty, int total )
        //{
        //   OrderId = orderid;
        //   Quantity = qty;
        //   TotalPrice = total;
        //   PizzaId = pizzaId;
        //   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>
```

```html
            <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

```html
@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>
```

```html
<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

```cshtml
@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>

}

    </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>
```