

1. Create a project in **Asp.net web application (.net framework)** takes template **MVC**.
2. Add a database in **App data** folder with three relational table '**Customers**' '**Items**' and '**Orders**'

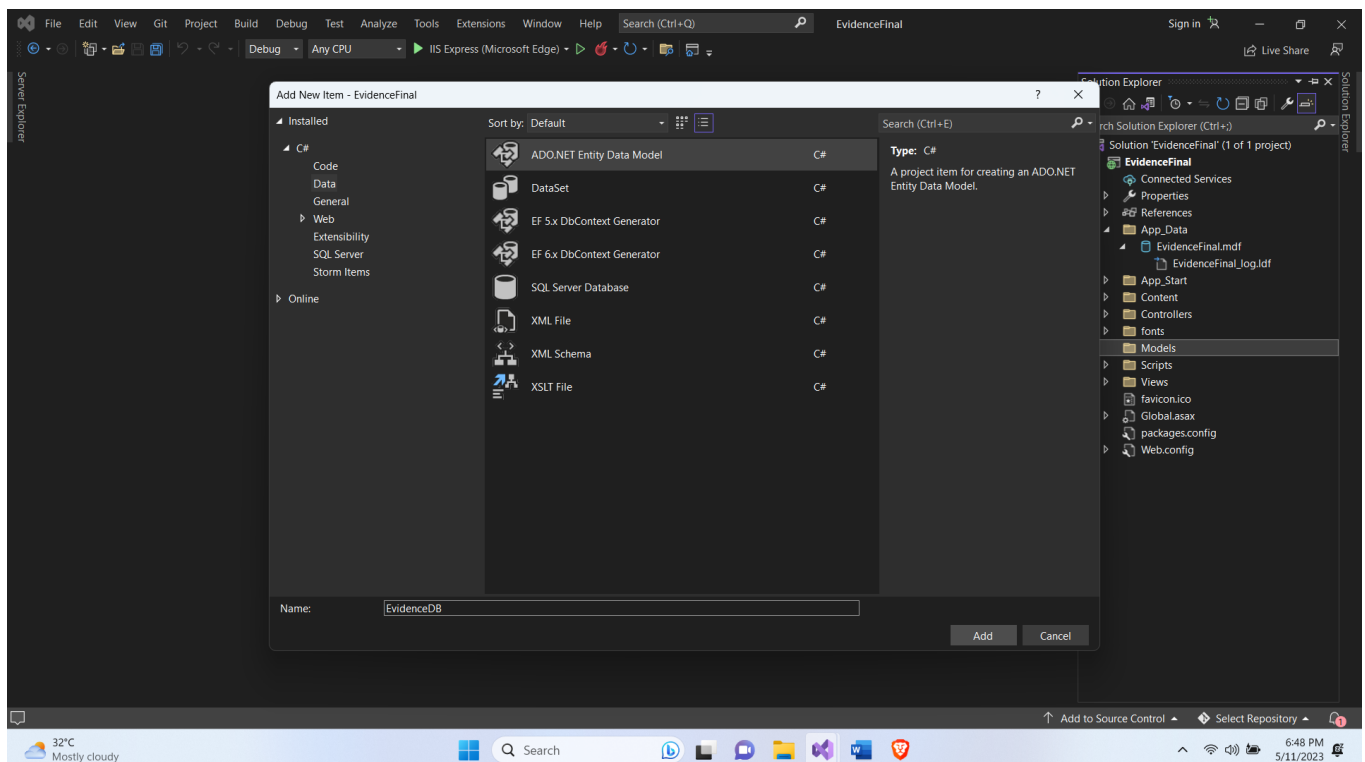
Here are three table scripts:

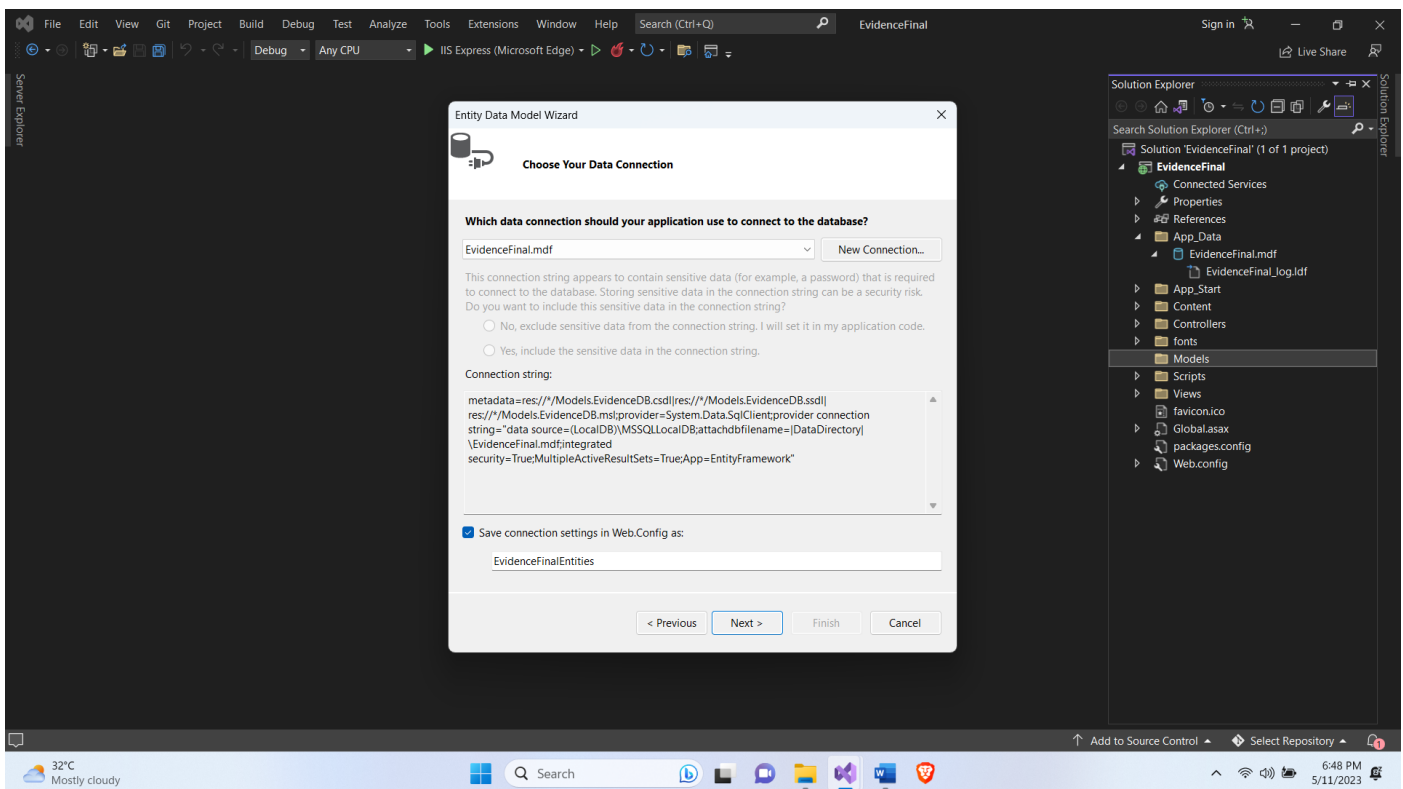
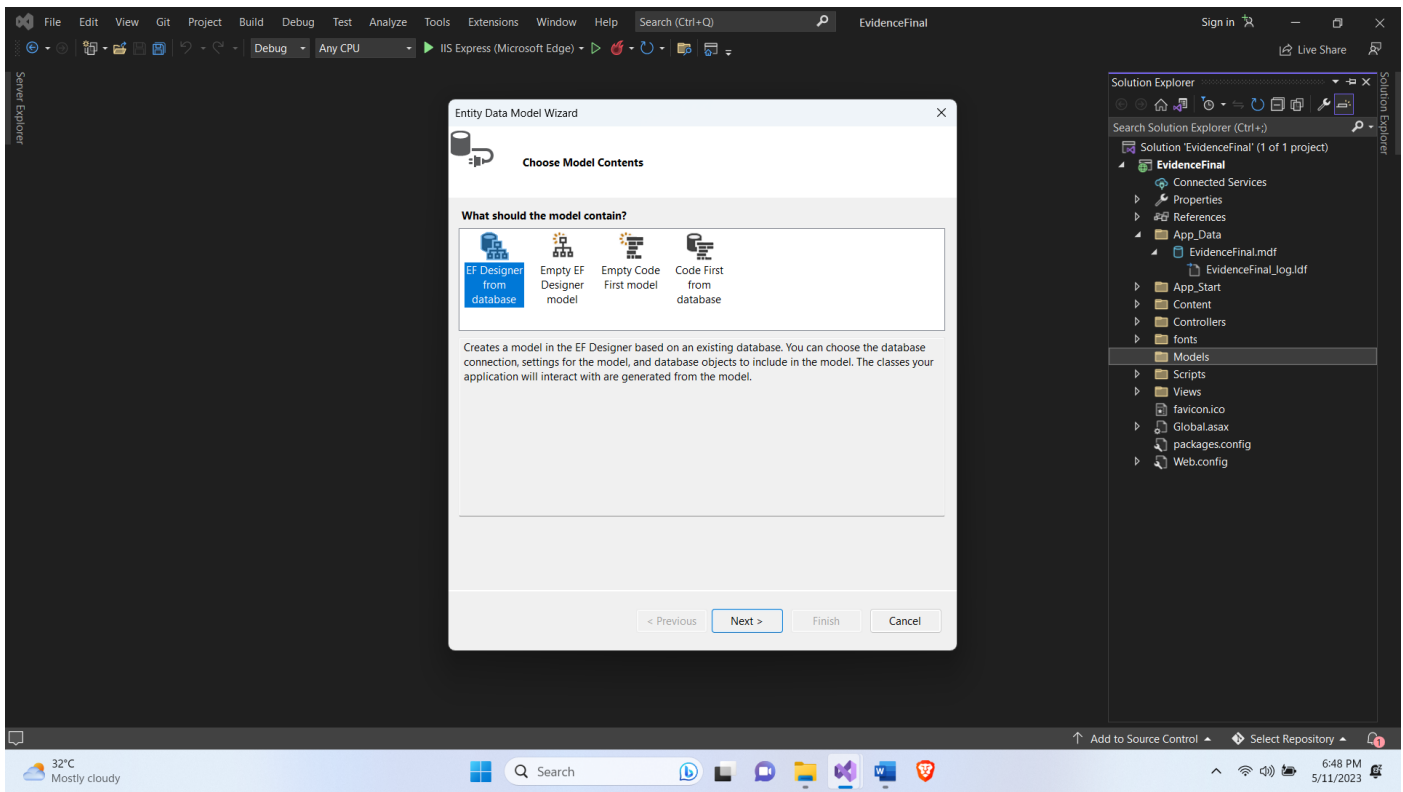
```
CREATE TABLE [dbo].[Customers] (  
[CustomerID] INT NOT NULL,  
[CutoomerName] VARCHAR (50) NULL,  
[BillingAddress] VARCHAR (50) NULL,  
[Imagepath] VARCHAR (MAX) NULL,  
PRIMARY KEY CLUSTERED ([CustomerID] ASC)  
);
```

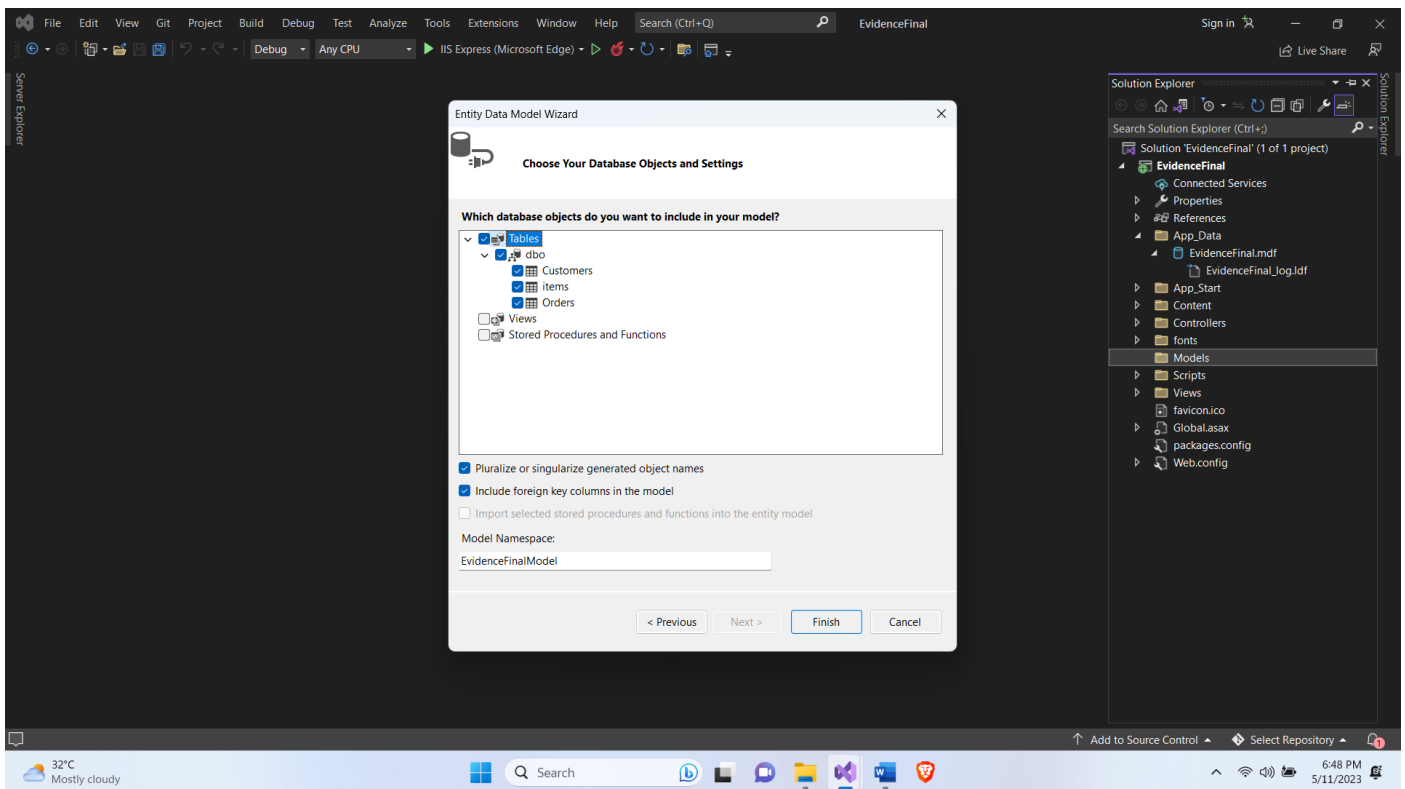
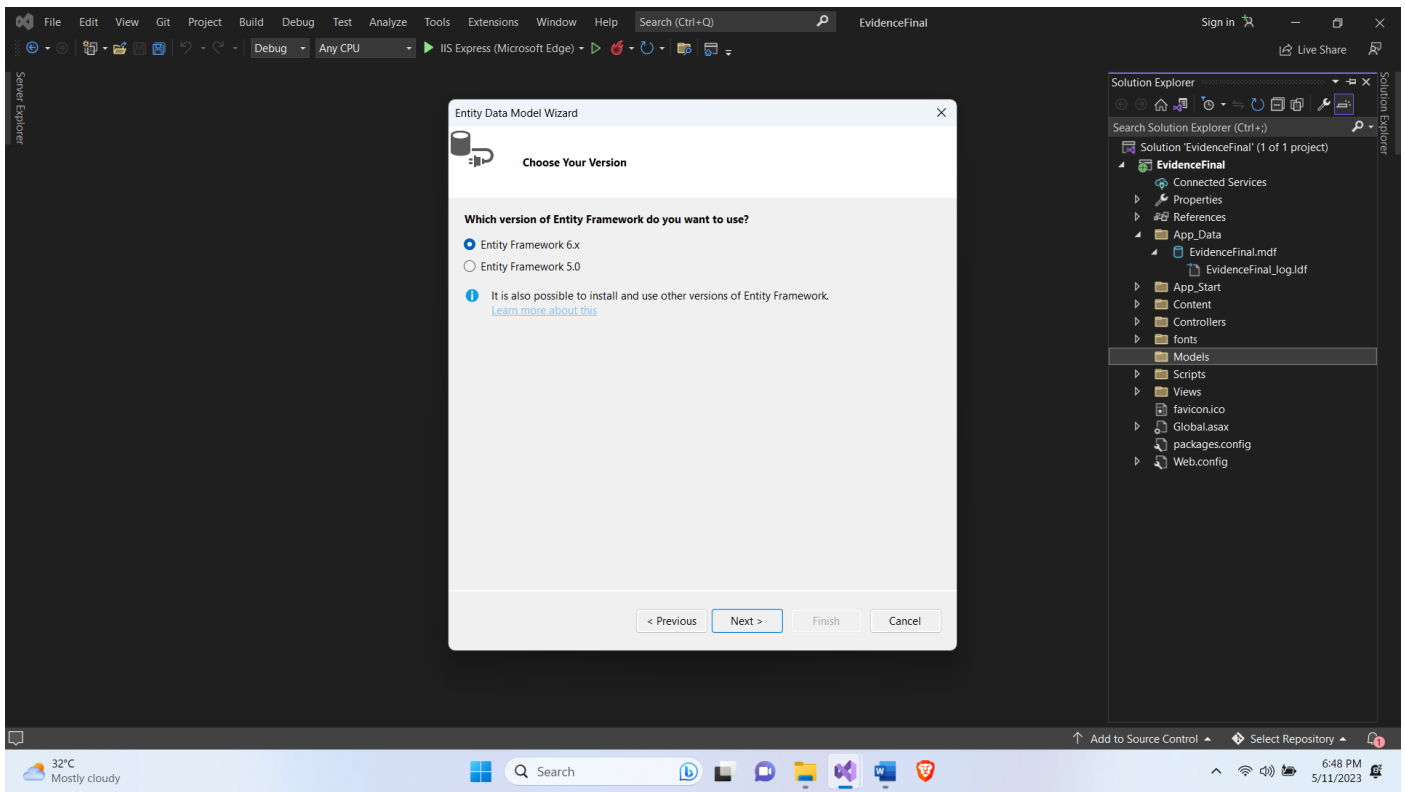
```
CREATE TABLE [dbo].[items] (  
[ItemID] INT IDENTITY (1, 1) NOT NULL,  
[ItemName] VARCHAR (30) NULL,  
PRIMARY KEY CLUSTERED ([ItemID] ASC)  
);
```

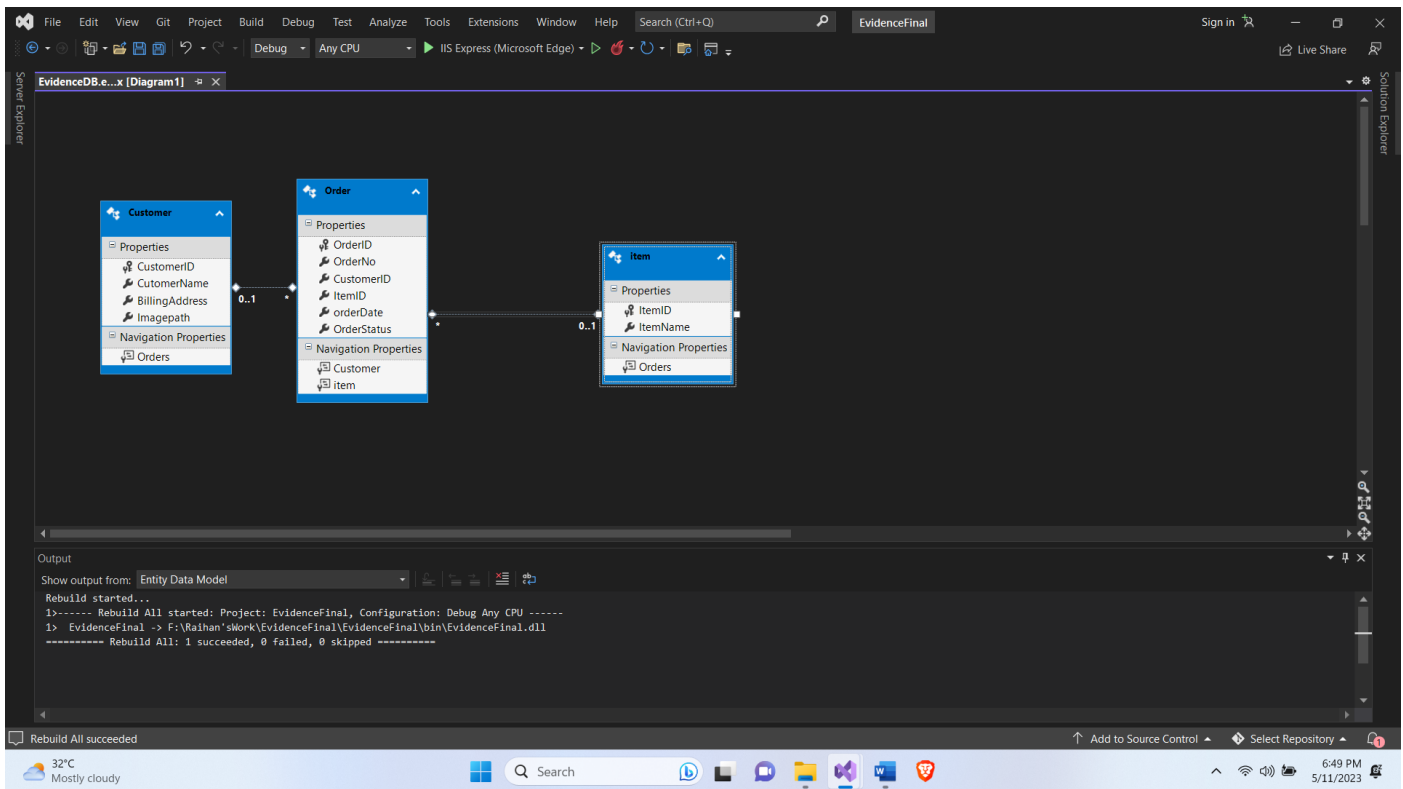
```
CREATE TABLE [dbo].[Orders] (  
[OrderID] INT NOT NULL,  
[OrderNo] INT NOT NULL,  
[CustomerID] INT NULL,  
[ItemID] INT NULL,  
[orderDate] DATETIME NULL,  
[OrderStatus] BIT NULL,  
PRIMARY KEY CLUSTERED ([OrderID] ASC), CONSTRAINT [FK_dbo.Orders_dbo.Customers_CustomerID]  
FOREIGN KEY ([CustomerID]) REFERENCES [dbo].[Customers] ([CustomerID]),  
CONSTRAINT [FK_Orders_dbo.Items_ItemID] FOREIGN KEY ([ItemID]) REFERENCES [dbo].[items]  
([ItemID])  
);
```

3. Add **Ado.Net Entity Data Model** in **Model** Folder to add your database models. Rebuild project after entity model added. Here are some screenshot for better understand –

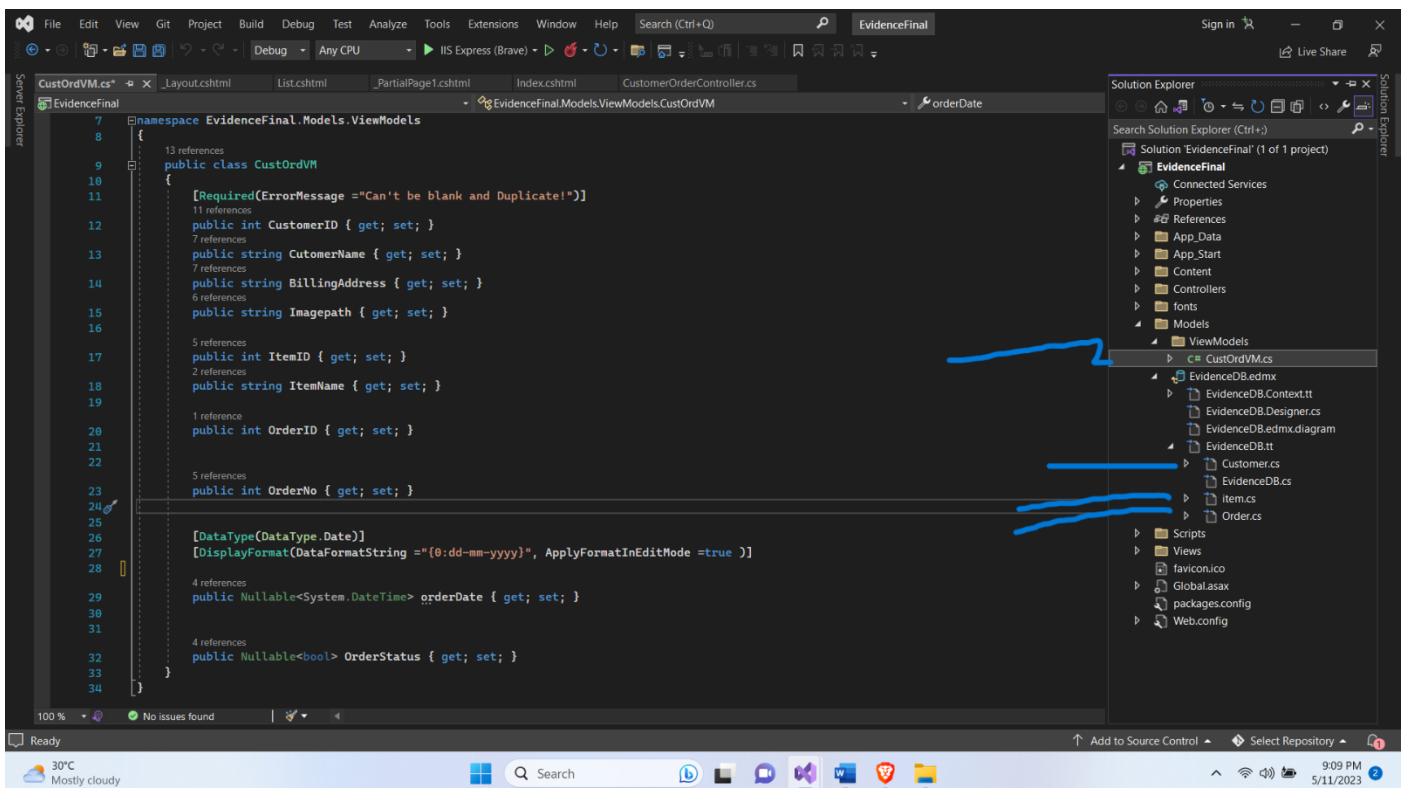




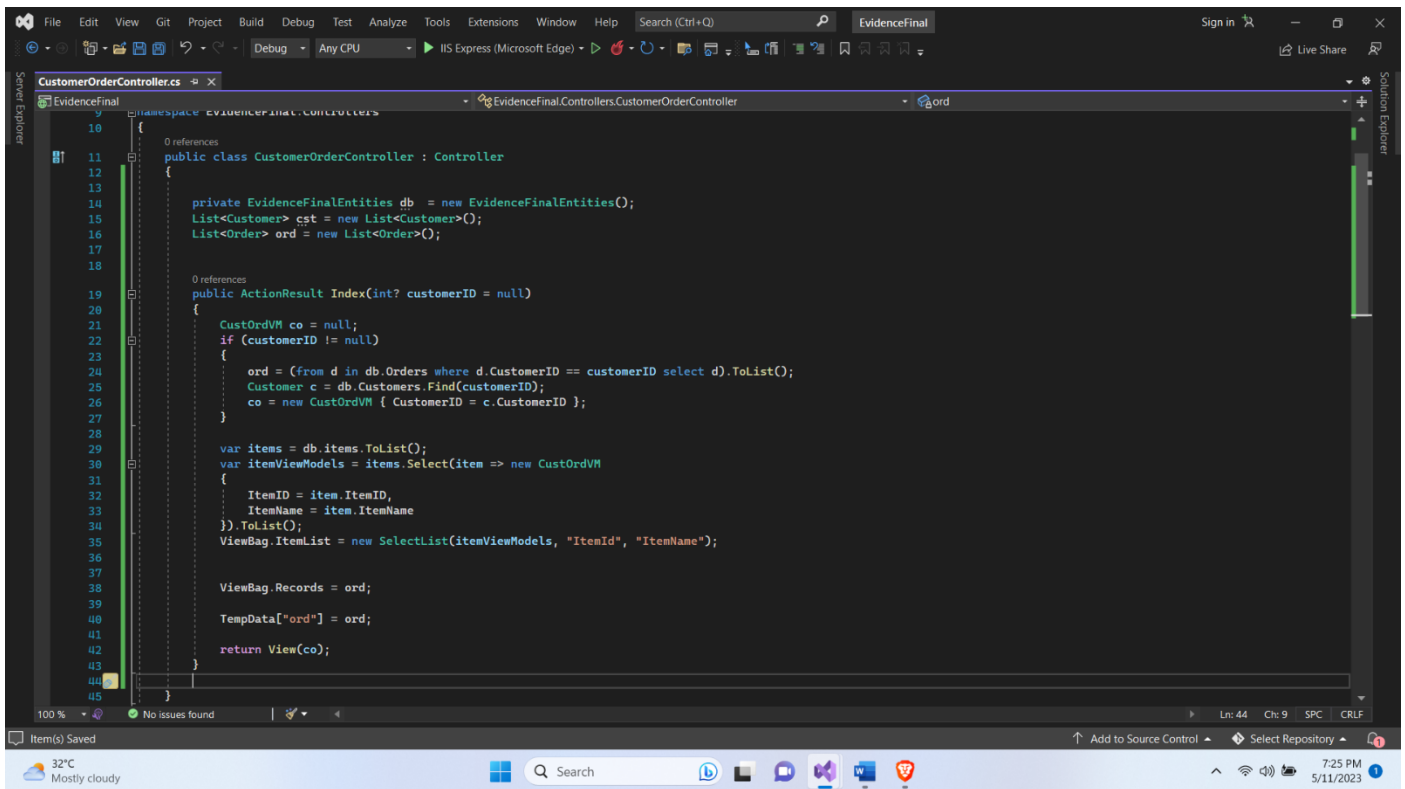




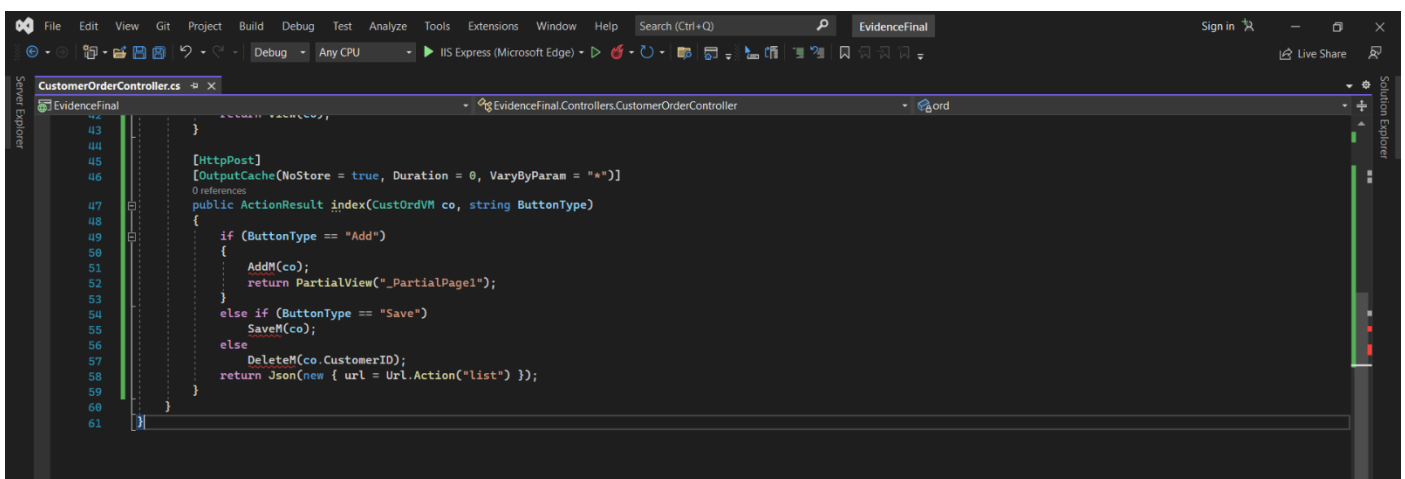
4. Add a **ViewModels** Folder in **Models** Folder then add a class in **ViewModels** Folder with name **CustOrdVM**
5. In **CustOrdVM** class add all the properties from **Customers.cs**, **items.cs**, **Orders.cs** . Example-



6. Add an Empty **Controller** in **Controllers** folder with the name **CustomerOrderController**
7. Add database entities and **Index** Action in this controller to **get** data from customer like this.



8. Add another Index action to post data as like this. *(Ignore the error for AddM SaveM DeleteM in the following image. We will create this methods after few steps in this controller)*



9. Now right click on any **index** action and **Add a View (Empty without model)**.
 10. Write the following code in **Index.Cshtml** file (Note: must add viewmodel class on top **CustOrdVM**):

```

@model EvidenceFinal.Models.ViewModels.CustOrdVM
@{
    ViewBag.Title = "Index";
    Layout = "~/Views/Shared/_Layout.cshtml";
}

<script>
    var onSuccess = function (result) {

```

```

        if (result.url) {
            window.location = result.url;
        }
    }
</script>

```

```

<h2>Index</h2>

```

```

@using (Ajax.BeginForm("Index", "Customer", new AjaxOptions
{
    UpdateTargetId = "table-container",
    InsertionMode = System.Web.Mvc.Ajax.InsertionMode.Replace,
    HttpMethod = "POST",
    OnSuccess = "onSuccess",
    OnFailure = "createfail"
}))
{
    @Html.AntiForgeryToken()

    <div class="form-horizontal">
        <h4>CustomerOrder</h4>
        <hr />
        @Html.ValidationSummary(true, "", new { @class = "text-danger" })
        <div class="form-group">
            @Html.LabelFor(model => model.CustomerID, htmlAttributes: new { @class =
"control-label col-md-2" })
            <div class="col-md-10">
                @Html.EditorFor(model => model.CustomerID, new { htmlAttributes = new {
@class = "form-control" } })
                @Html.ValidationMessageFor(model => model.CustomerID, "", new { @class =
"text-danger" })
            </div>
        </div>

        <div class="form-group">
            @Html.LabelFor(model => model.CutomerName, htmlAttributes: new { @class =
"control-label col-md-2" })
            <div class="col-md-10">
                @Html.EditorFor(model => model.CutomerName, new { htmlAttributes = new {
@class = "form-control" } })
                @Html.ValidationMessageFor(model => model.CutomerName, "", new { @class =
"text-danger" })
            </div>
        </div>

        <div class="form-group">
            @Html.LabelFor(model => model.BillingAddress, htmlAttributes: new { @class =
"control-label col-md-2" })
            <div class="col-md-10">
                @Html.EditorFor(model => model.BillingAddress, new { htmlAttributes = new
{ @class = "form-control" } })
                @Html.ValidationMessageFor(model => model.BillingAddress, "", new { @class
= "text-danger" })
            </div>
        </div>

        <div class="form-group">
            @Html.LabelFor(model => model.ItemName, htmlAttributes: new { @class =
"control-label col-md-2" })
            <div class="col-md-10">
                @Html.DropDownListFor(model => model.ItemID, (SelectList)ViewBag.ItemList,
"Select Item", new { @class = "form-control" })
                @Html.ValidationMessageFor(model => model.ItemID, "", new { @class =
"text-danger" })
            </div>

```

```

</div>

<div class="form-group">
    @Html.LabelFor(model => model.Imagepath, htmlAttributes: new { @class =
"control-label col-md-2" })
    <div class="col-md-10">
        <input type="file" name="Imagepath" id="Imagepath" class="form-control" />
        @Html.ValidationMessageFor(model => model.Imagepath, "", new { @class =
"text-danger" })
    </div>
</div>

<div class="form-group">
    @Html.LabelFor(model => model.OrderNo, htmlAttributes: new { @class =
"control-label col-md-2" })
    <div class="col-md-10">
        @Html.EditorFor(model => model.OrderNo, new { htmlAttributes = new {
@class = "form-control" } })
        @Html.ValidationMessageFor(model => model.OrderNo, "", new { @class =
"text-danger" })
    </div>
</div>

<div class="form-group">
    @Html.LabelFor(model => model.orderDate, htmlAttributes: new { @class =
"control-label col-md-2" })
    <div class="col-md-10">
        @Html.EditorFor(model => model.orderDate, new { htmlAttributes = new {
@class = "form-control", type = "date" } })
        @Html.ValidationMessageFor(model => model.orderDate, "", new { @class =
"text-danger" })
    </div>
</div>

<div class="form-group">
    @Html.LabelFor(model => model.OrderStatus, htmlAttributes: new { @class =
"control-label col-md-2" })
    <div class="col-md-10">
        @Html.EditorFor(model => model.OrderStatus, new { htmlAttributes = new {
@class = "form-control" } })
        @Html.ValidationMessageFor(model => model.OrderStatus, "", new { @class =
"text-danger" })
    </div>
</div>

<div class="form-group">
    <div class="col-md-offset-2 col-md-10">
        <input type="submit" value="Add" class="btn btn-default" name="ButtonType"
/>
    </div>
</div>
</div>
<div class="col-sm-12">
    <div id="table-container">
        @Html.Partial("_PartialPage1")
    </div>
    <div>
        <input type="submit" value="Save" name="ButtonType" />
        <input type="submit" value="Delete" name="ButtonType" />
    </div>
</div>
}

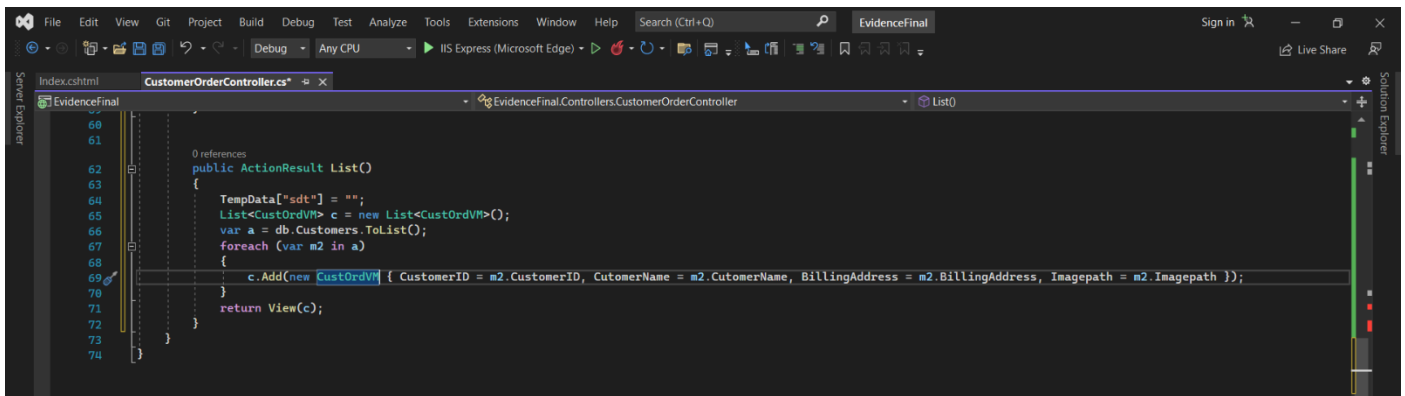
<div>
    @Html.ActionLink("Back to List", "list")

```

```
</div>
```

```
@section Scripts {  
    @Scripts.Render("~/bundles/jqueryval")  
}
```

11. Add another List Action in same controller to view data after insert.



12. Right Click on List Action and **Add a View (Empty without model)**.

13. Write the code in **List.Cshtml** file (Note: must add viewmodel class on top **CustOrdVM**):

```
@model IEnumerable<EvidenceFinal.Models.ViewModels.CustOrdVM>
```

```
@{  
    ViewBag.Title = "List";  
    Layout = "~/Views/Shared/_Layout.cshtml";  
}
```

```
<h2>List</h2>
```

```
<p>  
    @Html.ActionLink("Create New", "Index")  
</p>
```

```
<table class="table">  
    <tr>  
        <th>  
            @Html.DisplayNameFor(model => model.CutomerName)  
        </th>  
        <th>  
            @Html.DisplayNameFor(model => model.BillingAddress)  
        </th>  
        <th>  
            @Html.DisplayNameFor(model => model.Imagepath)  
        </th>  
    </tr>
```

```
@foreach (var item in Model)  
{  
    <tr>  
        <td>  
            @Html.DisplayFor(modelItem => item.CutomerName)  
        </td>  
        <td>  
            @Html.DisplayFor(modelItem => item.BillingAddress)  
        </td>  
    </tr>
```

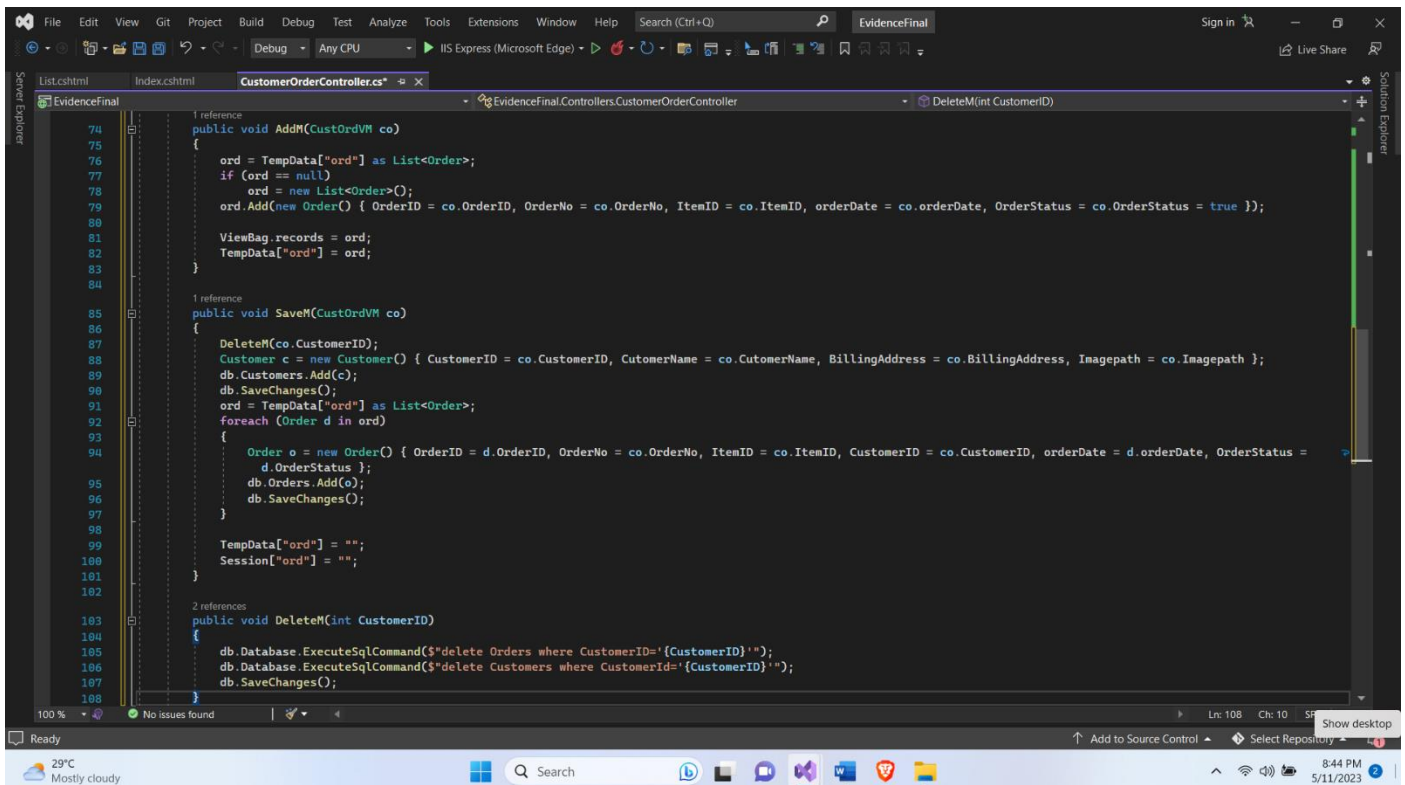


```

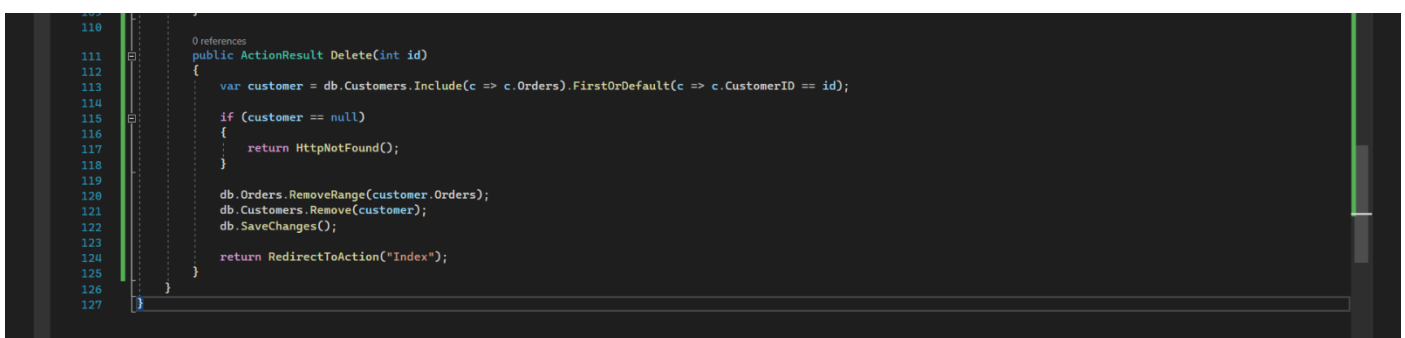
        @Html.DisplayFor(modelItem => item.Imagepath)
    </td>
    <td>
        @Html.ActionLink("Edit", "Edit", new { id = item.CustomerID }) |
        @Html.ActionLink("Delete", "Delete", new { id = item.CustomerID }, new {
onclick = "return confirm('Are you sure you want to delete this record?');") })
    </td>
</tr>
}
</table>

```

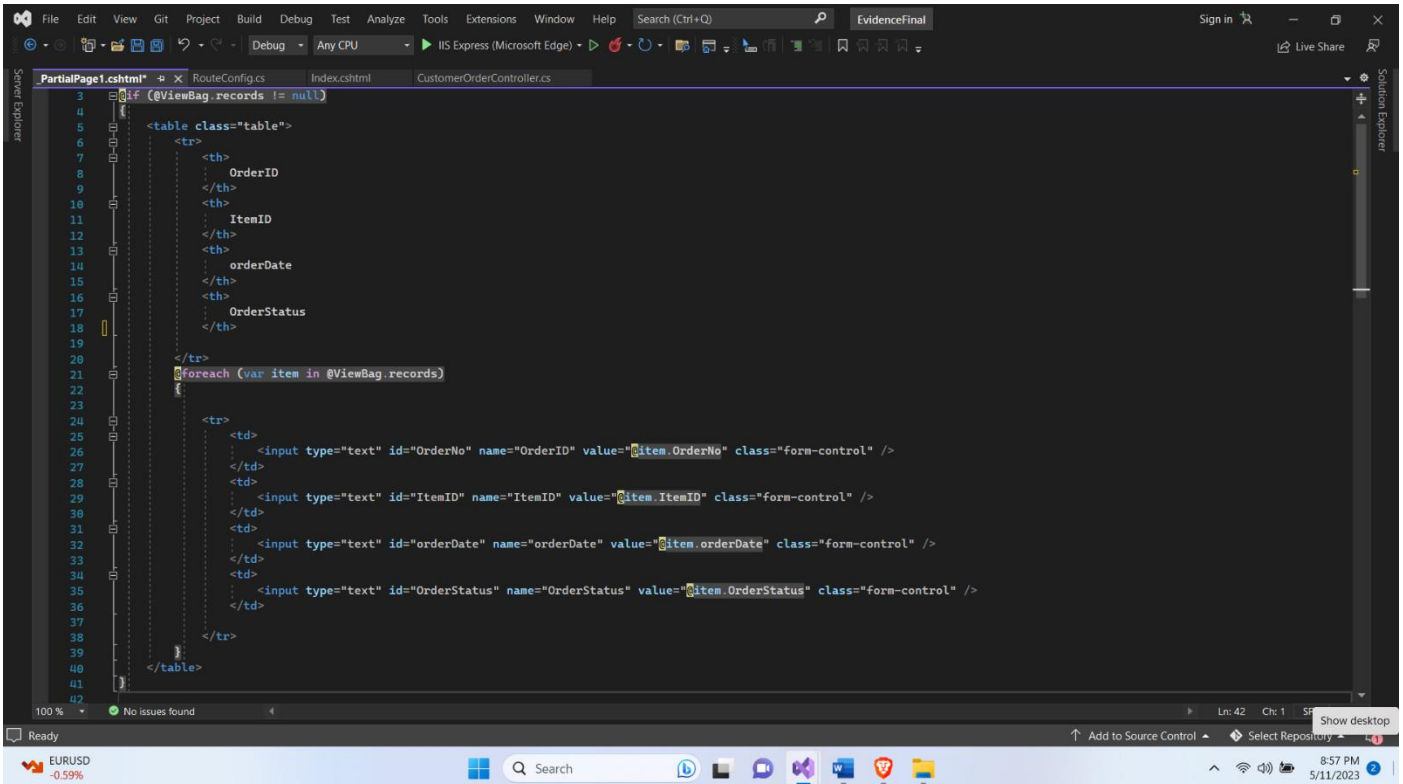
14. Now add those methods that are called in **index action** which is added for post.



15. Add another **Delete action** in this controller for cascade delete. Note: We called this action in List.Cshtml file



16. Now add a **PartialView** page in **Views > Shared folder** and write this code in **_PartialView.Cshtml** file. Note that we already declare this page in Index action (post) and also in Index.Cshtml page –

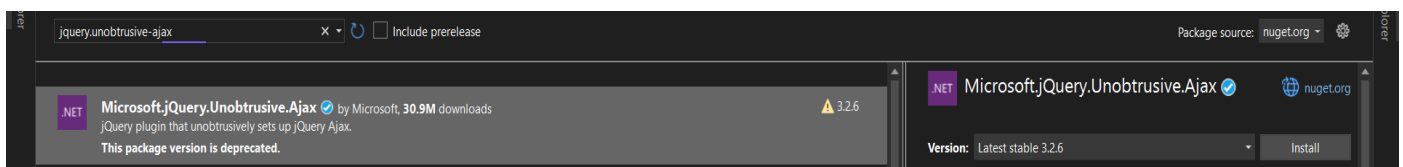


```
3  @if (@ViewBag.records != null)
4
5  <table class="table">
6  <tr>
7      <th>
8          OrderID
9      </th>
10     <th>
11         ItemID
12     </th>
13     <th>
14         orderDate
15     </th>
16     <th>
17         OrderStatus
18     </th>
19 </tr>
20 <tr>
21 <td>
22     <input type="text" id="OrderNo" name="OrderID" value="@item.OrderNo" class="form-control" />
23 </td>
24 <td>
25     <input type="text" id="ItemID" name="ItemID" value="@item.ItemID" class="form-control" />
26 </td>
27 <td>
28     <input type="text" id="orderDate" name="orderDate" value="@item.orderDate" class="form-control" />
29 </td>
30 <td>
31     <input type="text" id="OrderStatus" name="OrderStatus" value="@item.OrderStatus" class="form-control" />
32 </td>
33 </tr>
34 </table>
35
36 </tr>
37 </table>
38
39 </tr>
40 </table>
41
42
```

17. Go to RoutConfig.cs in **App Start Folder** and change the controller name to CustomerOrder and action name to Index.

18. Add Some data in items table manually..

19. Install this jquery and add it [jquery.unobtrusive-ajax.min.js](#) to **_Layout.Cshtml** File



20. Rebuild Your Project And Run!!