**NAD SHOP**

# The components of Solution The structure of Solution

- **NADShop.Common:** Contains utility classes shared by the project

- **NADShop.Model:** Contains Domain Entities of the project

- **NADShop.Data:** The data access layer is used Entity Framework Code First

- **NADShop.Service:** Service to solve Business Logic

- **NADShop.Web:** Main Project to display interface and interact with user

- **NADShop.UnitTest:** Test classes to test.

# Add Entity Framework:

NADShop.Data

NADShop.Model

NADShop.Web

NADShop.UnitTest

# Add Moq:

NADShop.UnitTest

# Add References:

NADShop.Data

+ NADShop.Common

+ NADShop.Model

NADShop.Model

+ NADShop.Common

NADShop.Web

+ NADShop.Common

+ NADShop.Data

+ NADShop.Model

+ NADShop.Service

NADShop.UnitTest

+ NADShop.Common

+ NADShop.Data

+ NADShop.Model

+ NADShop.Service

+ NADShop.Web

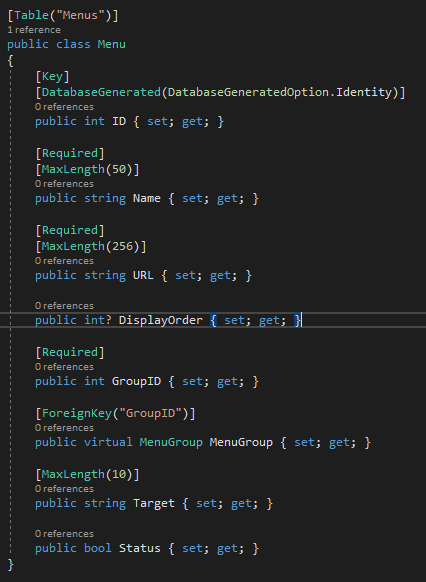
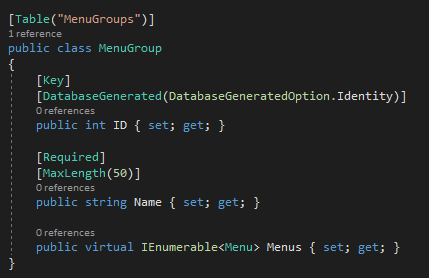
NADShop.Service

+ NADShop.Common

+ NADShop.Data

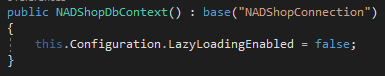
+ NADShop.Model

# Example – Build Domain Entites - Entity Framework Code First:

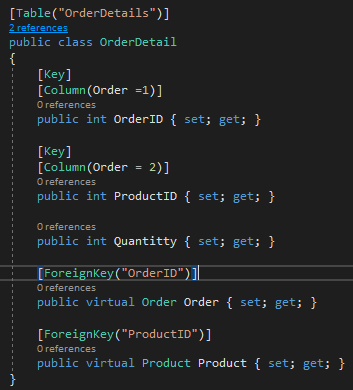


Foreign Key

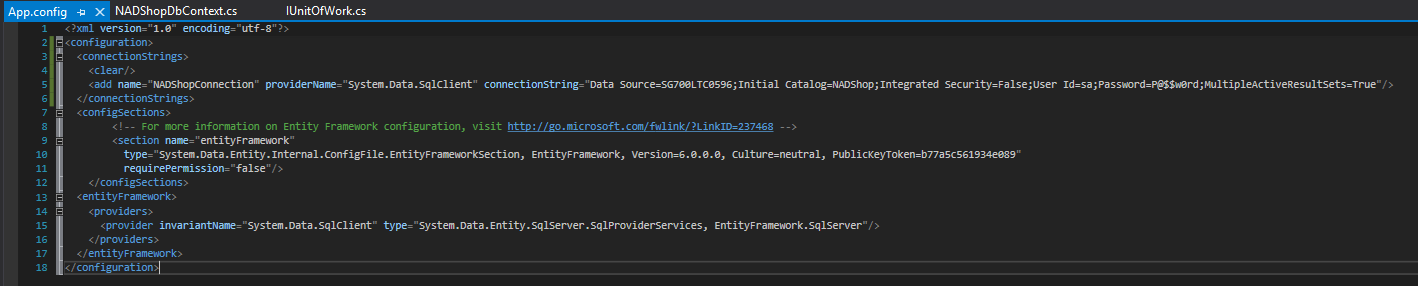
* When the app load parent table, not auto load child table.



* If a table has 2 primary key, in code behind will be displayed



* Configuration - Create a connection string to SQL Server in **App.config** of NADShop.Data



<connectionStrings>

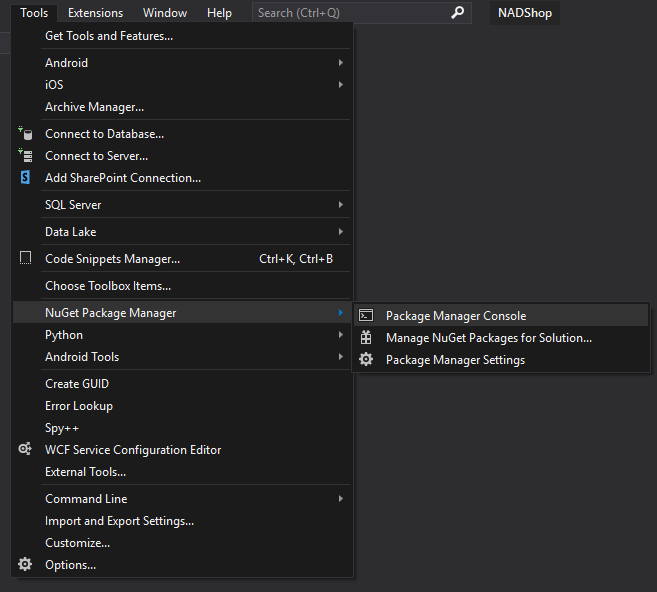
<clear/>

<add name="NADShopConnection" providerName="System.Data.SqlClient" connectionString="Data Source=SG700LTC0596;Initial Catalog=NADShop;Integrated Security=False;User Id=sa;Password=P@$$w0rd;MultipleActiveResultSets=True"/>

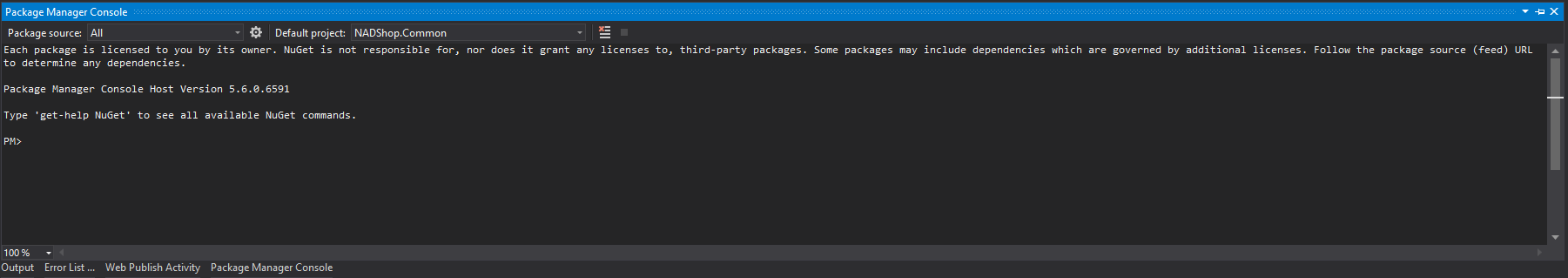
</connectionStrings>

# Migration database

* + Select **Package Manager Console**



* + A new windown is displayed.



Add new migrations

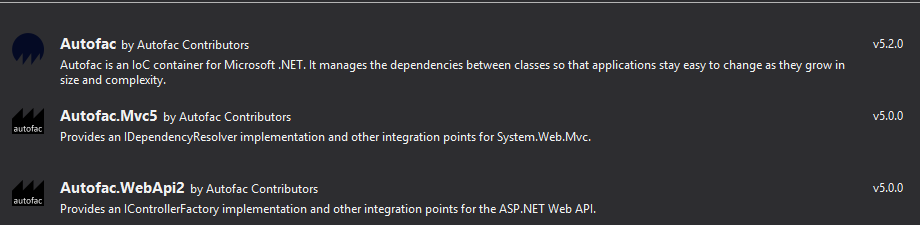
1. **enable-migrations**
2. **add-migration InitialDB**
3. **update-database**

Update migration (when change to database)

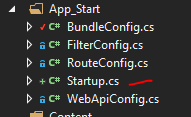
1. add-migraion AddErrorTable
2. update-database

# How to install DI Autofac

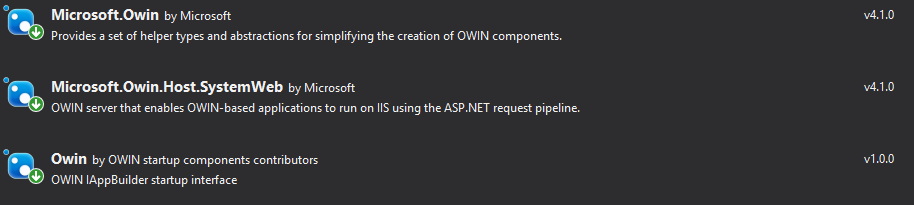
1. Install Nuget package Autofac, Autofac.Mvc5, Autofac.WebApi2



1. Create file Startup.cs in App\_Start folder in NADShop.Web to register



1. Install Nuget package Owin to run Startup.cs file



1. In Startup.cs file to register Controller and WepApiController

