Add a new project

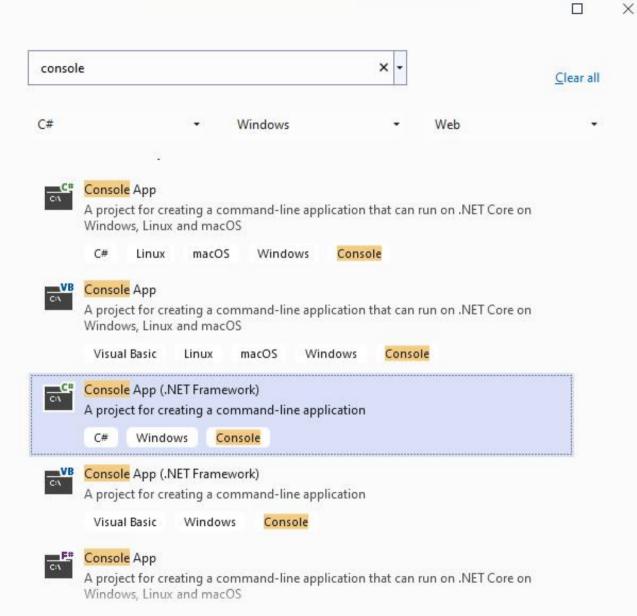
Recent project templates

Windows Forms App (.NET Framework) C#

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Next

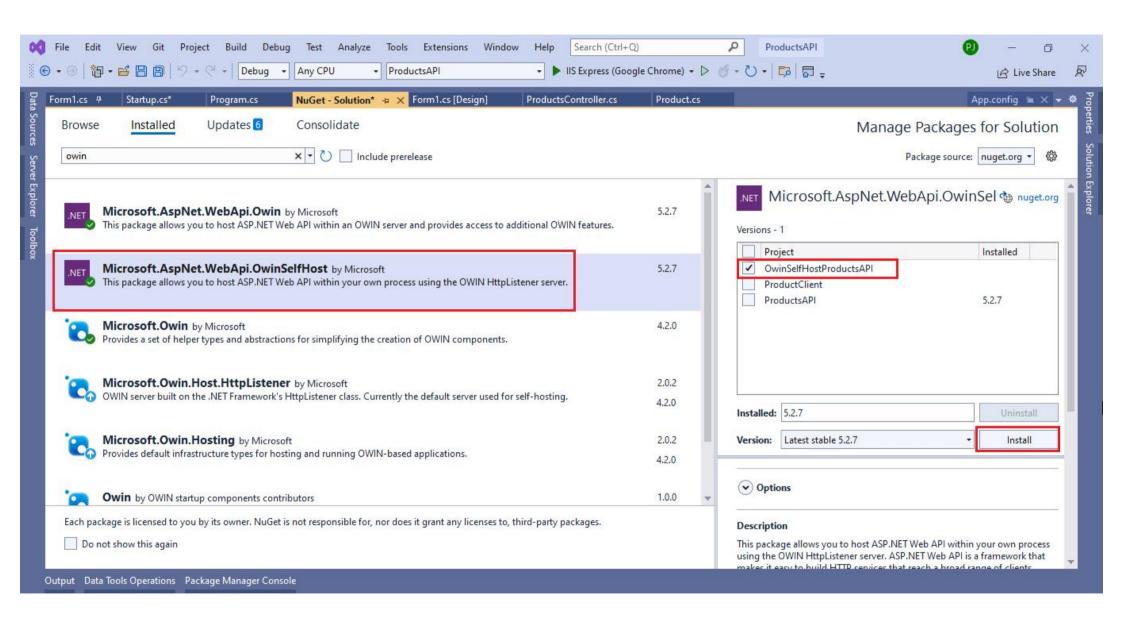
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Configure your new project

Console App (.NET Framework)	C#	Windows	Console		
Project name				- 100	
OwinSelfHostProductsAPI					
Location					
E:\SOC\ProductsAPI					
Framework					
.NET Framework 4.7.2				-	

Back

Create



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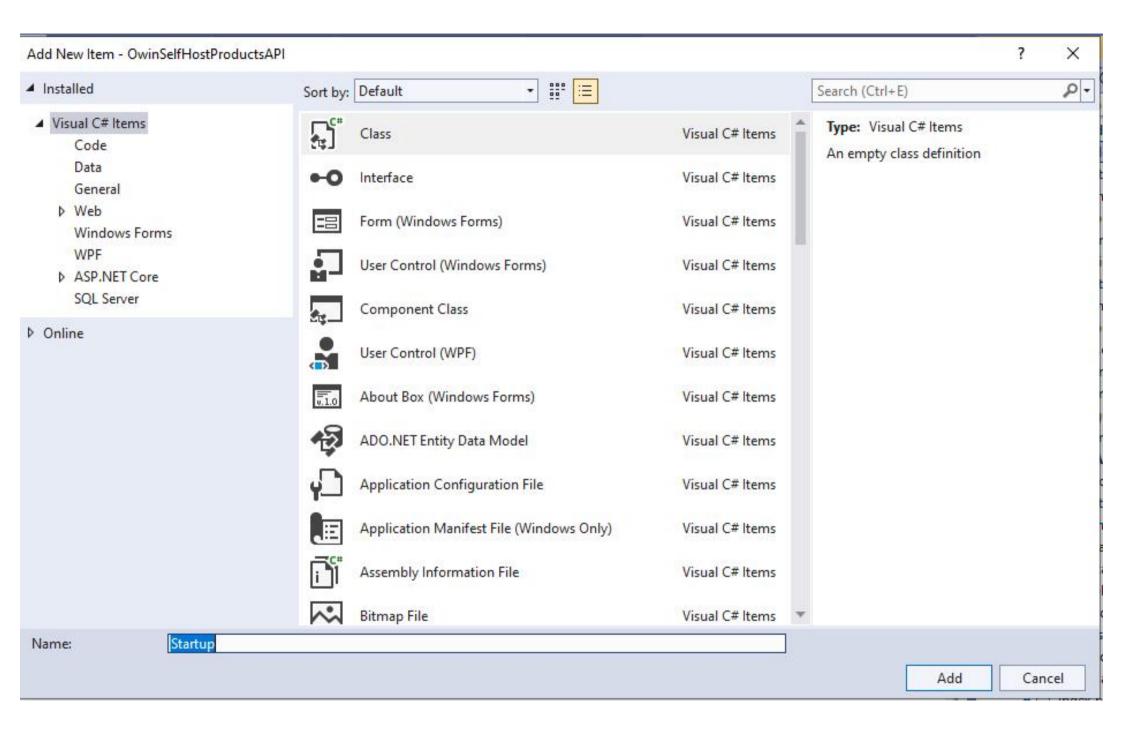
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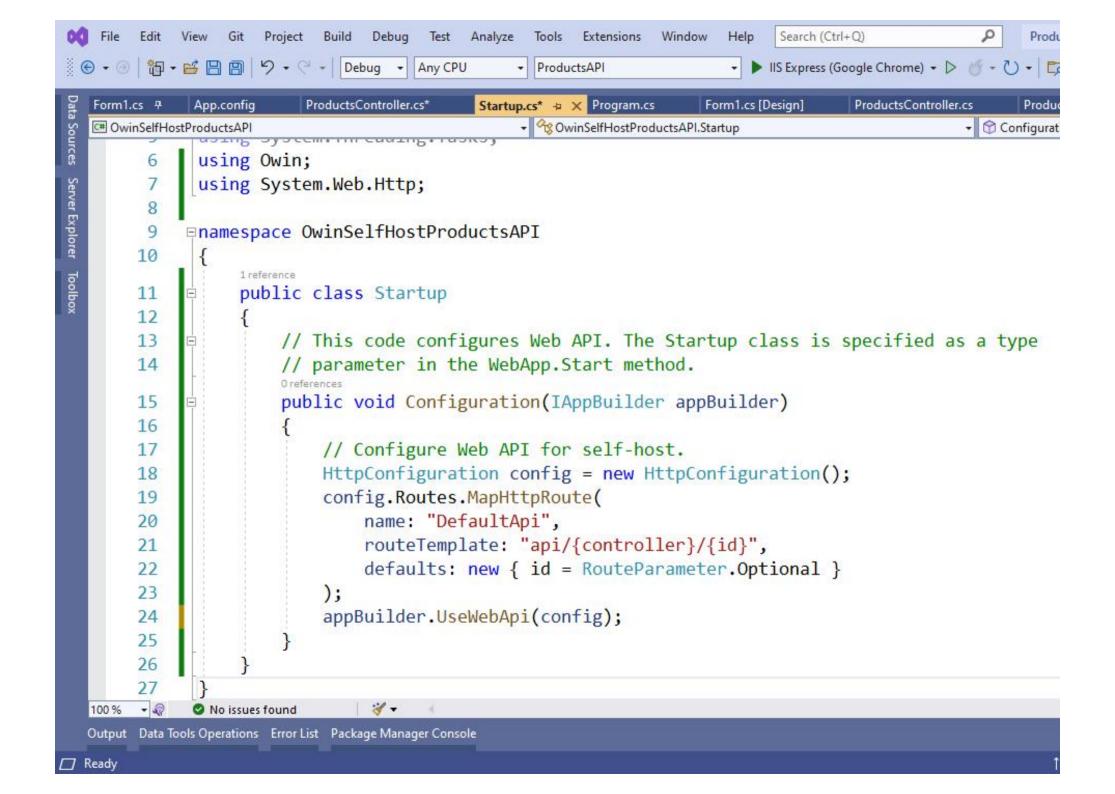
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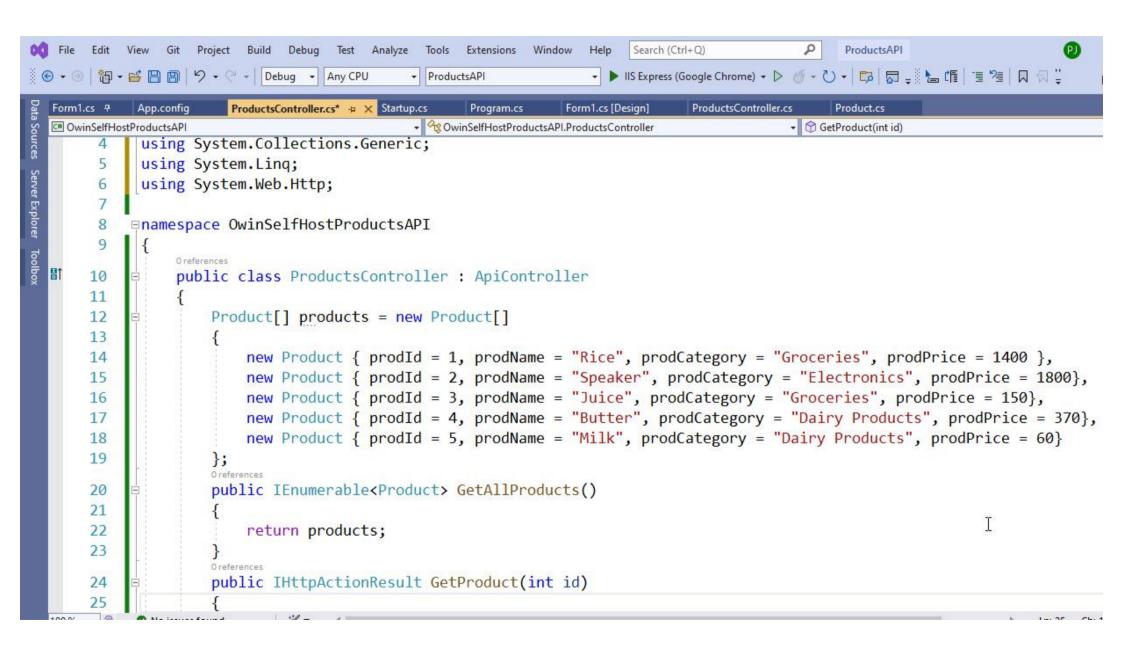
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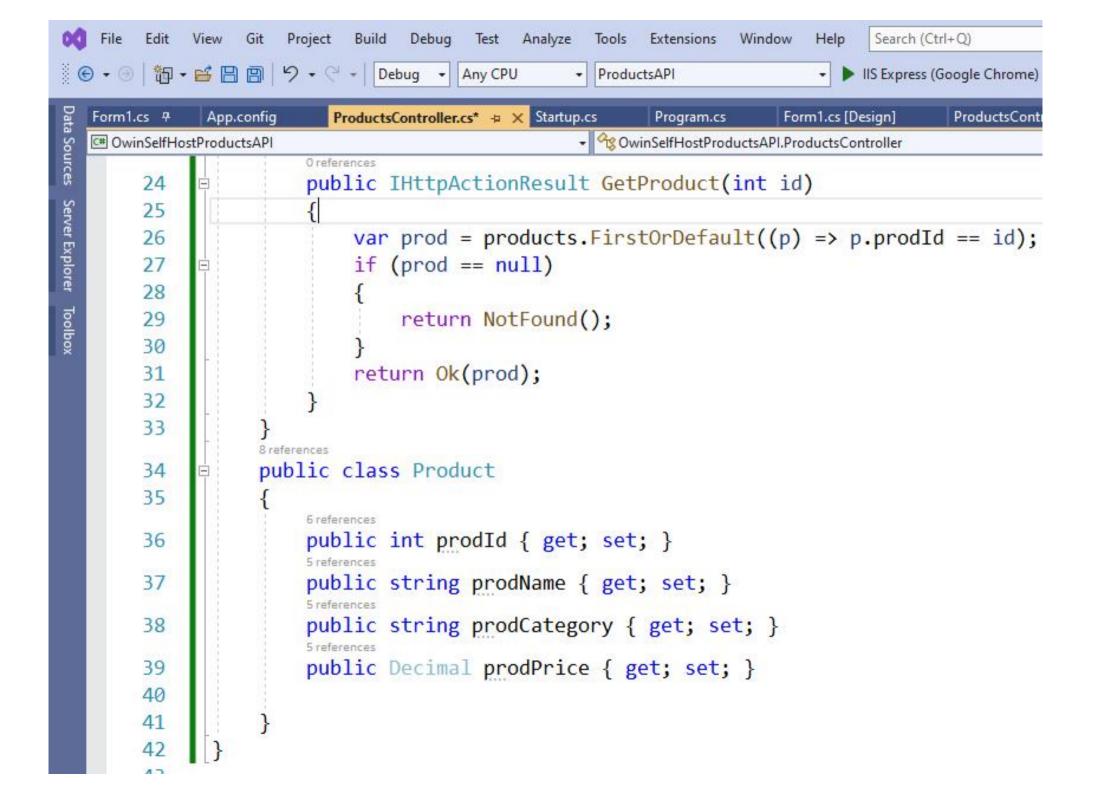
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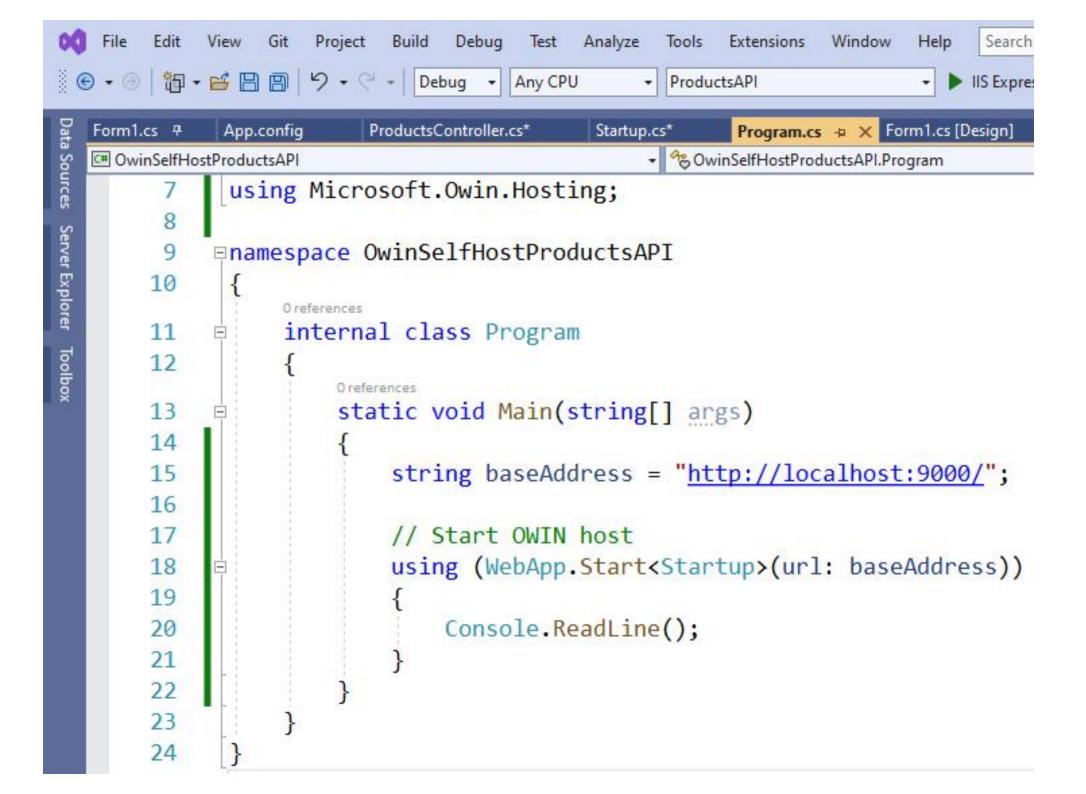
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:al Disk (E:) > SOC > ProductsAPI > OwinSelfHostProductsAPI > bin > Debug

Name	Date modified	Туре	Size
OwinSelfHostProductsAPI.exe	12-03-2022 01:08 PM	Application	9 KB
Microsoft.Owin.dll	07-11-2013 08:52 PM	Application exten	92 KB
Microsoft.Owin.Host.HttpListener.dll	07-11-2013 08:52 PM	Application exten	99 KB
Microsoft.Owin.Hosting.dll	07-11-2013 08:52 PM	Application exten	63 KB
Newtonsoft.Json.dll	04-08-2014 02:03 AM	Application exten	491 KB
Owin.dll	13-11-2012 05:49 PM	Application exten	5 KB
System.Net.Http.Formatting.dll	28-11-2018 01:00 PM	Application exten	175 KB
System.Web.Http.dll	28-11-2018 01:01 PM	Application exten	445 KE
System.Web.Http.Owin.dll	28-11-2018 06:31 PM	Application exten	61 KB
OwinSelfHostProductsAPI.pdb	12-03-2022 01:08 PM	Program Debug D	28 KB
OwinSelfHostProductsAPI.exe.config	12-03-2022 12:53 PM	XML Configuratio	1 KE
Microsoft.Owin.Host.HttpListener.xml	07-11-2013 08:52 PM	XML Document	9 KE
Microsoft.Owin.Hosting.xml	07-11-2013 08:52 PM	XML Document	48 KB
Microsoft.Owin.xml	07-11-2013 08:52 PM	XML Document	147 KB
Newtonsoft.Json.xml	04-08-2014 02:03 AM	XML Document	468 KB
System.Net.Http.Formatting.xml	28-11-2018 01:00 PM	XML Document	189 KB
System.Web.Http.Owin.xml	28-11-2018 06:31 PM	XML Document	16 KB
System.Web.Http.xml	28-11-2018 01:01 PM	XML Document	528 KB

This XML file does not appear to have any style information associated with it. The document tree is shown below.

```
▼<ArrayOfProduct xmlns:i="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://schemas.datacontract.org/2004/07/OwinSelfHostProductsAPI">
 ▼ < Product >
   cprodCategory>Groceries
   dId>1
   odName>Rice
   odPrice>1400
  </Product>
 ▼<Product>
   cprodCategory>Electronics/prodCategory>
   dId>2
   odName>Speaker
   odPrice>1800
  </Product>
 ▼<Product>
   cprodCategory>Groceries
   odId>3
   odName>Juice
   odPrice>150
  </Product>
 ▼<Product>
   dCategory>Dairy Products/prodCategory>
   dId>4
   odName>Butter
   odPrice>370
  </Product>
 ▼<Product>
   cprodCategory>Dairy Products/prodCategory>
   dId>5
   odName>Milk
   odPrice>60
  </Product>
 </ArrayOfProduct>
```

Recent Open WebAPIHello Run as administrator Webapi_Selfhc WebApiRoute Unpin from taskbar XMLProcessing Properties Visual Studio 2015 Unpin from taskbar

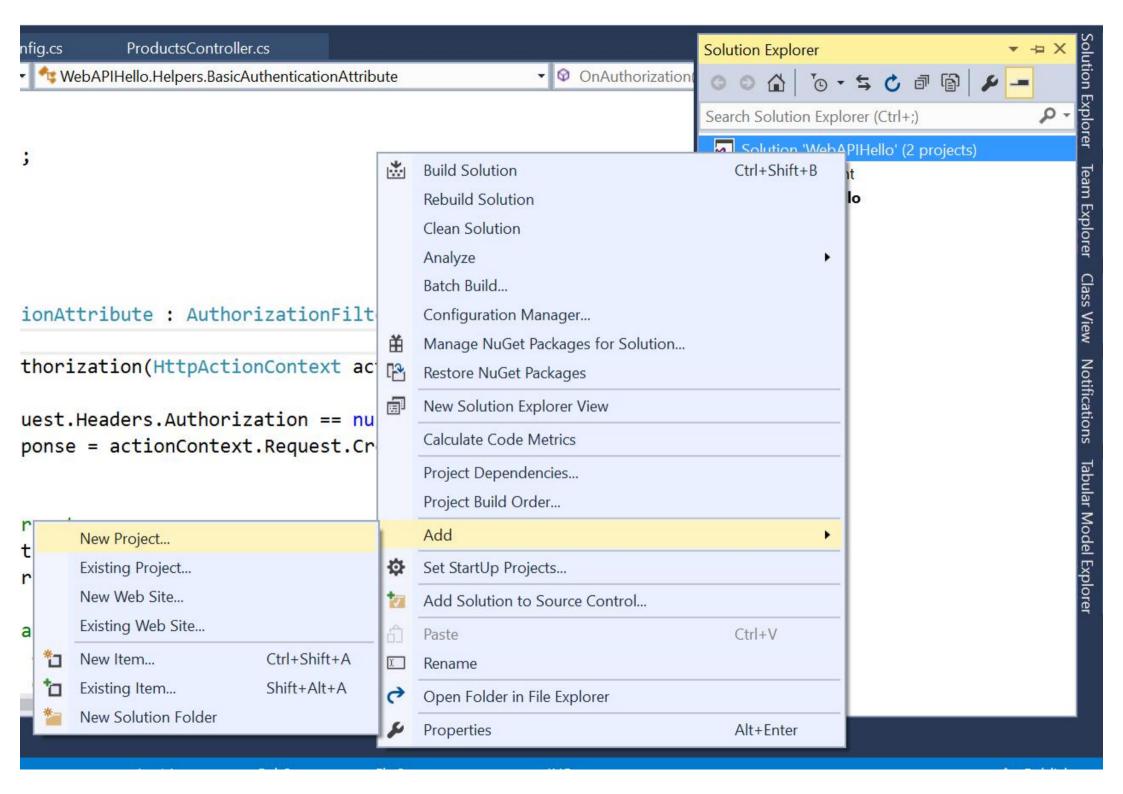


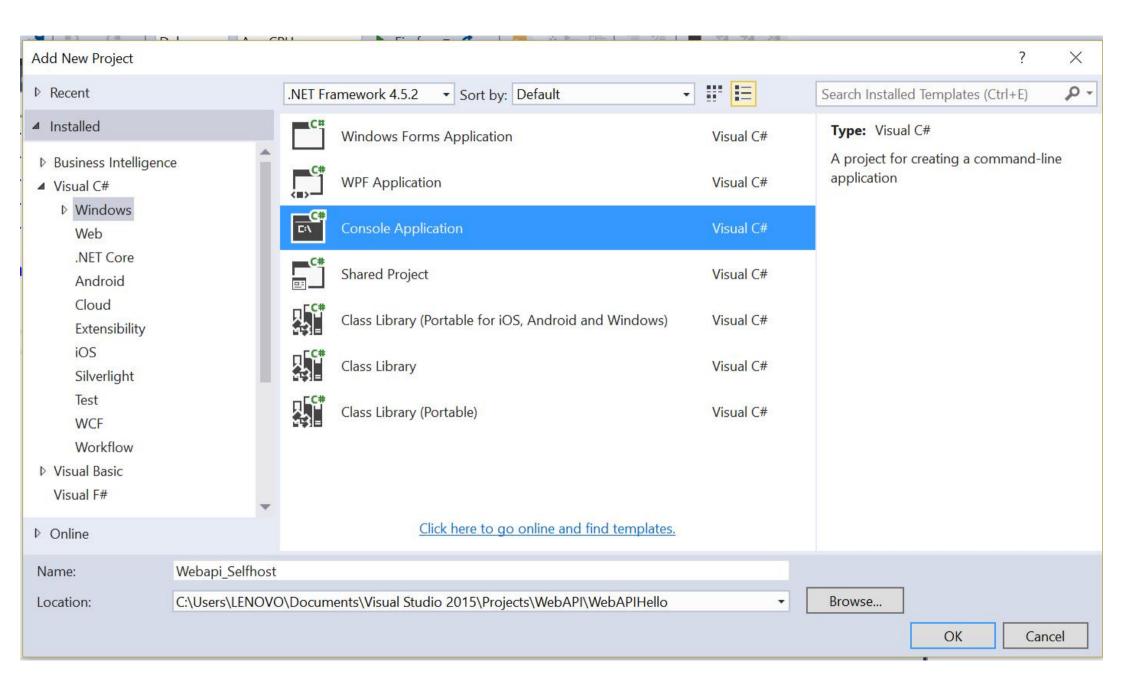


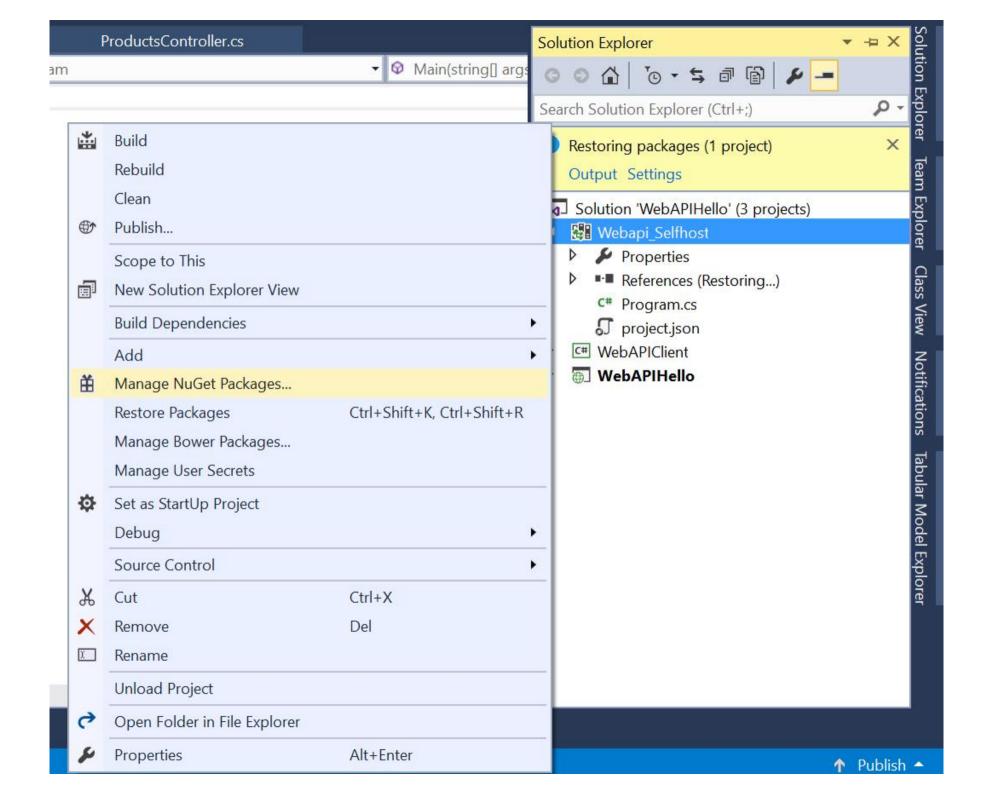


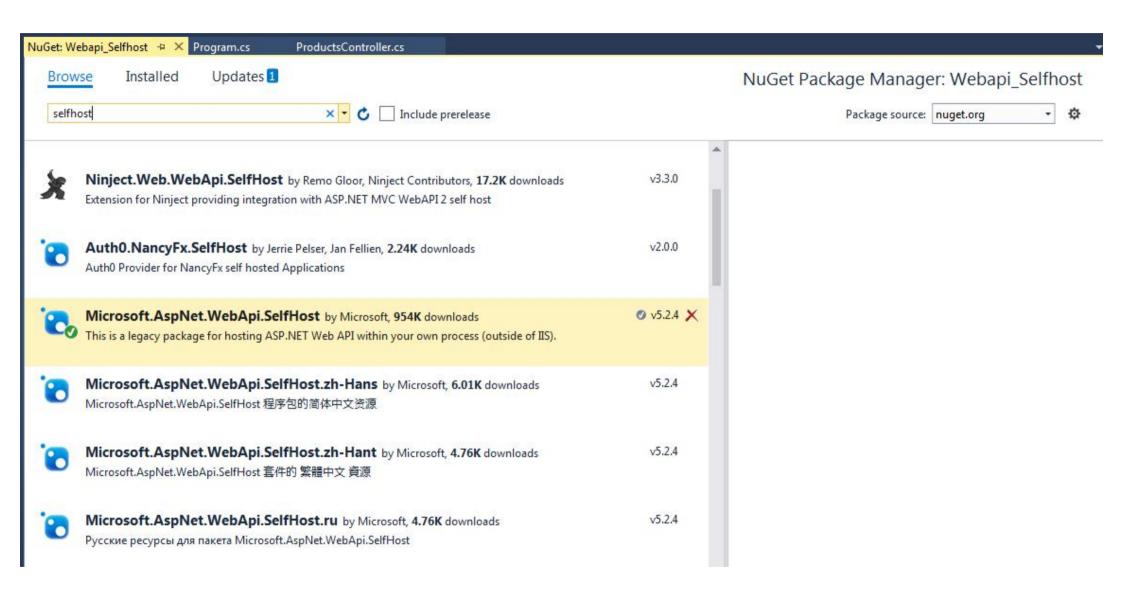


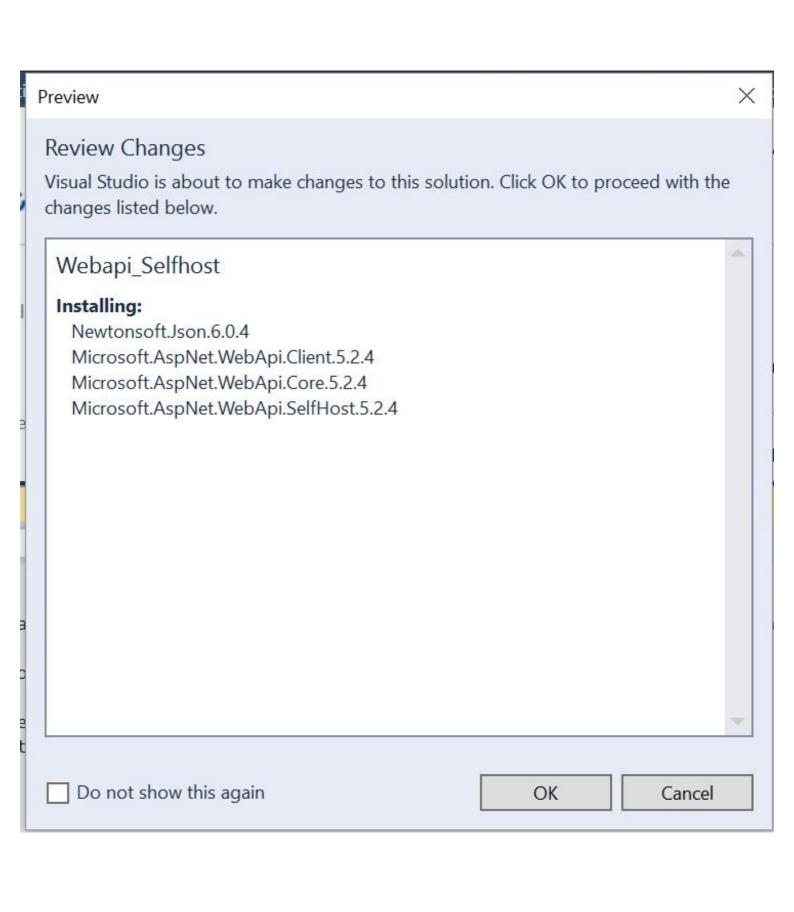












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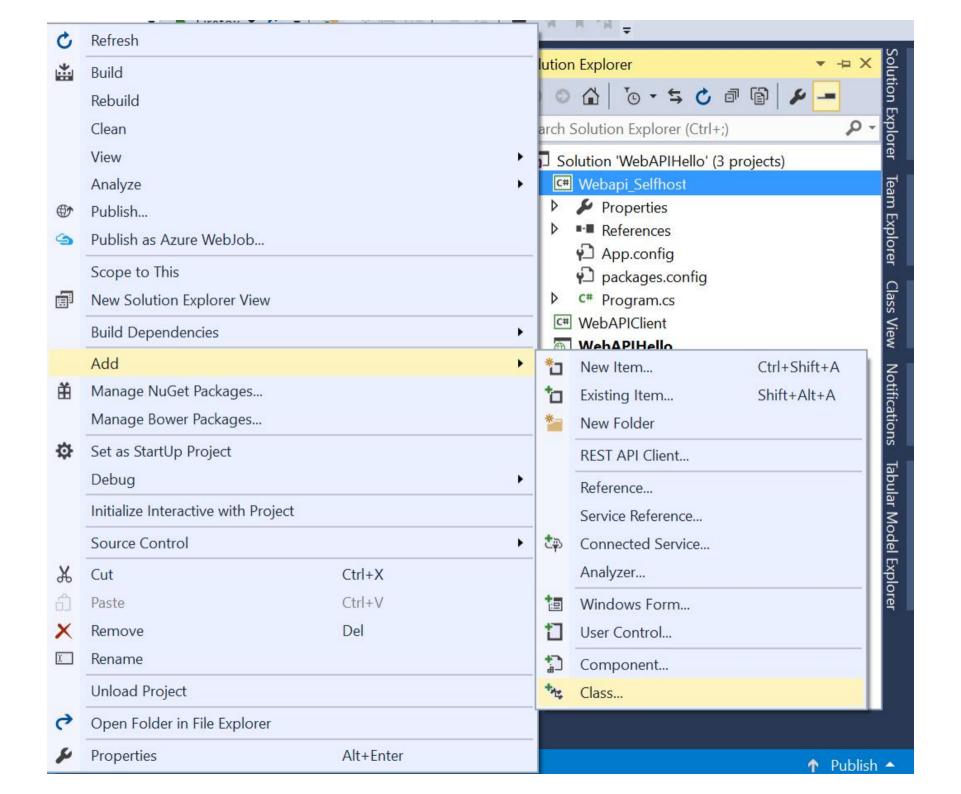
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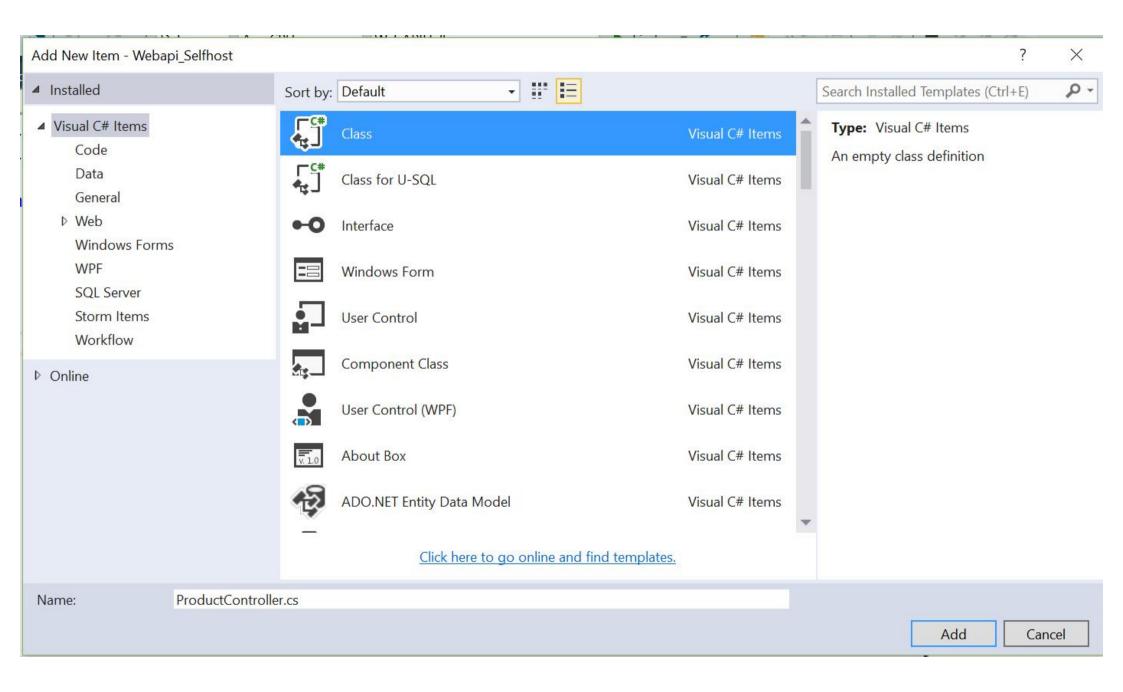
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I Decline

```
Program.cs* 

BasicAuthenticationAttribute.cs
                                                                        ProductsController.cs
                                        APISecurity.cs
                                                       WebApiConfig.cs
                                                                                                  → Q Main(string
                                                C# Webapi Selfhost
             using System.Threading.Tasks;
      5
             using System.Web.Http.SelfHost;
      6
      7
             using System.Web.Http;
      8
      9
           namespace Webapi Selfhost
     10
             {
     11
                 class Program
     12
     13
                     static void Main(string[] args)
     14
                         var config = new HttpSelfHostConfiguration(new Uri("http://localhost:12345"));
     15
     16
                         config.Routes.MapHttpRoute(
                              name: "DefaultApi",
     17
                              routeTemplate: "api/{controller}/{id}",
     18
                              defaults: new { id = RouteParameter.Optional });
     19
                         var host = new HttpSelfHostServer(config);
     20
     21
                         host.OpenAsync().Wait();
                          Console.WriteLine("Press any key to exit");
     22
                         Console.ReadKey();
     23
                         host.CloseAsync().Wait();
     24
     25
     26
             }
     27
```





```
using System. Threading. Tasks;
 using System.Web.Http;
∃namespace Webapi Selfhost
 {
     public class ProductController : ApiController
         static List<Product> products = new List<Product>
             new Product() { ProductId=1, ProductName="Monitor",
                                                                      ProductPrice=10000 },
             new Product() { ProductId=2, ProductName="Keyboard",
                                                                      ProductPrice=1500 },
             new Product() { ProductId=3, ProductName="Mouse",
                                                                      ProductPrice=400 }
         };
         public IEnumerable<Product> GetProducts()
             return products;
     public class Product
         public int     ProductId { get; set; }
         public string ProductName { get; set; }
         public decimal ProductPrice { get; set; }
```



(i) localhost:12345/api/product

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```
-<ArrayOfProduct>
  -< Product>
     <ProductId>1</ProductId>
     <Pre><Pre>oductName>Monitor</Pre>
     <ProductPrice>10000</ProductPrice>
   </Product>
  -<Product>
     <ProductId>2</ProductId>
     <Pre><Pre>ductName>Keyboard</Pre>
     <Pre><Pre>roductPrice>1500</Pre>
   </Product>
  -<Product>
     <ProductId>3</ProductId>
     <Pre><Pre>ductName>Mouse</Pre>ductName>
     <Pre><Pre>roductPrice>400</Pre>
   </Product>
 </ArrayOfProduct>
```