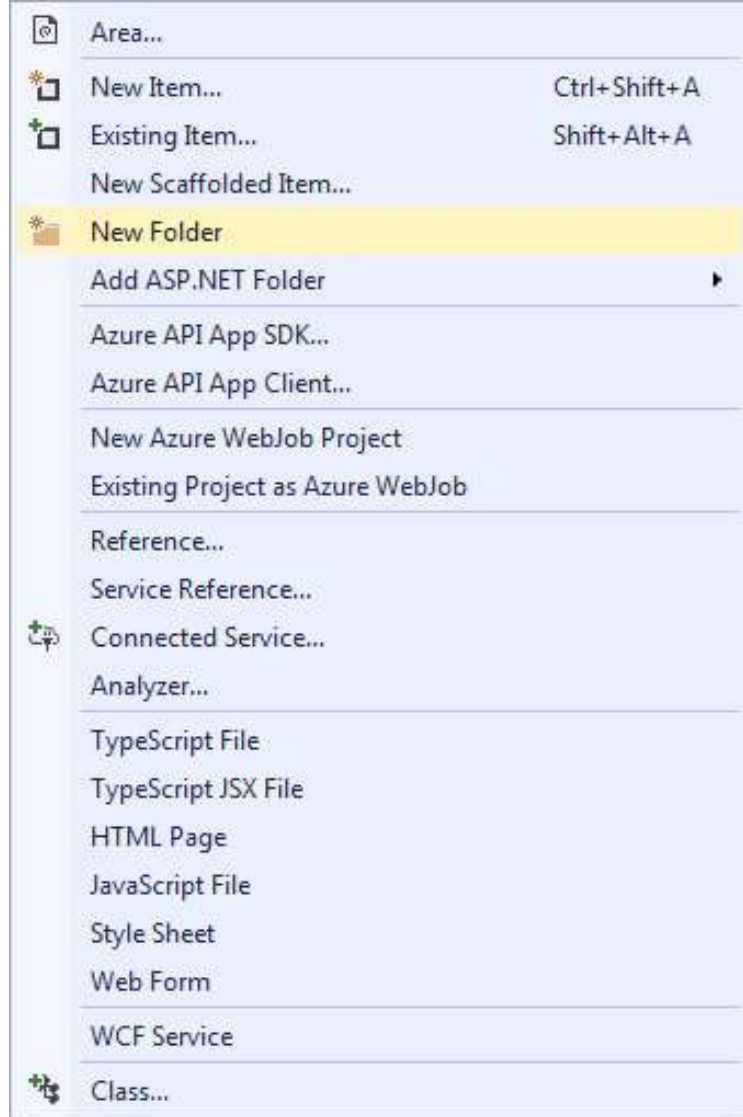
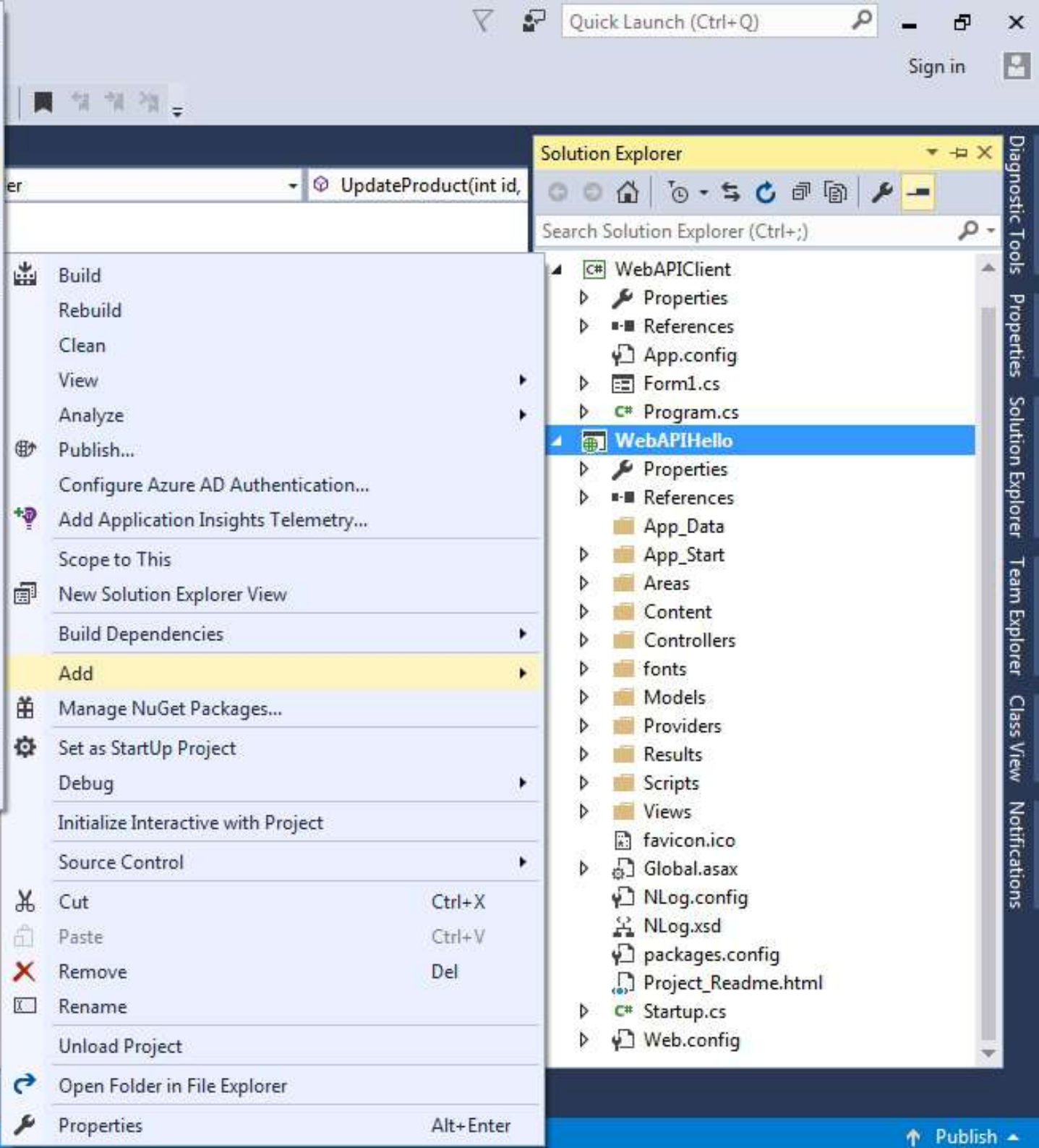


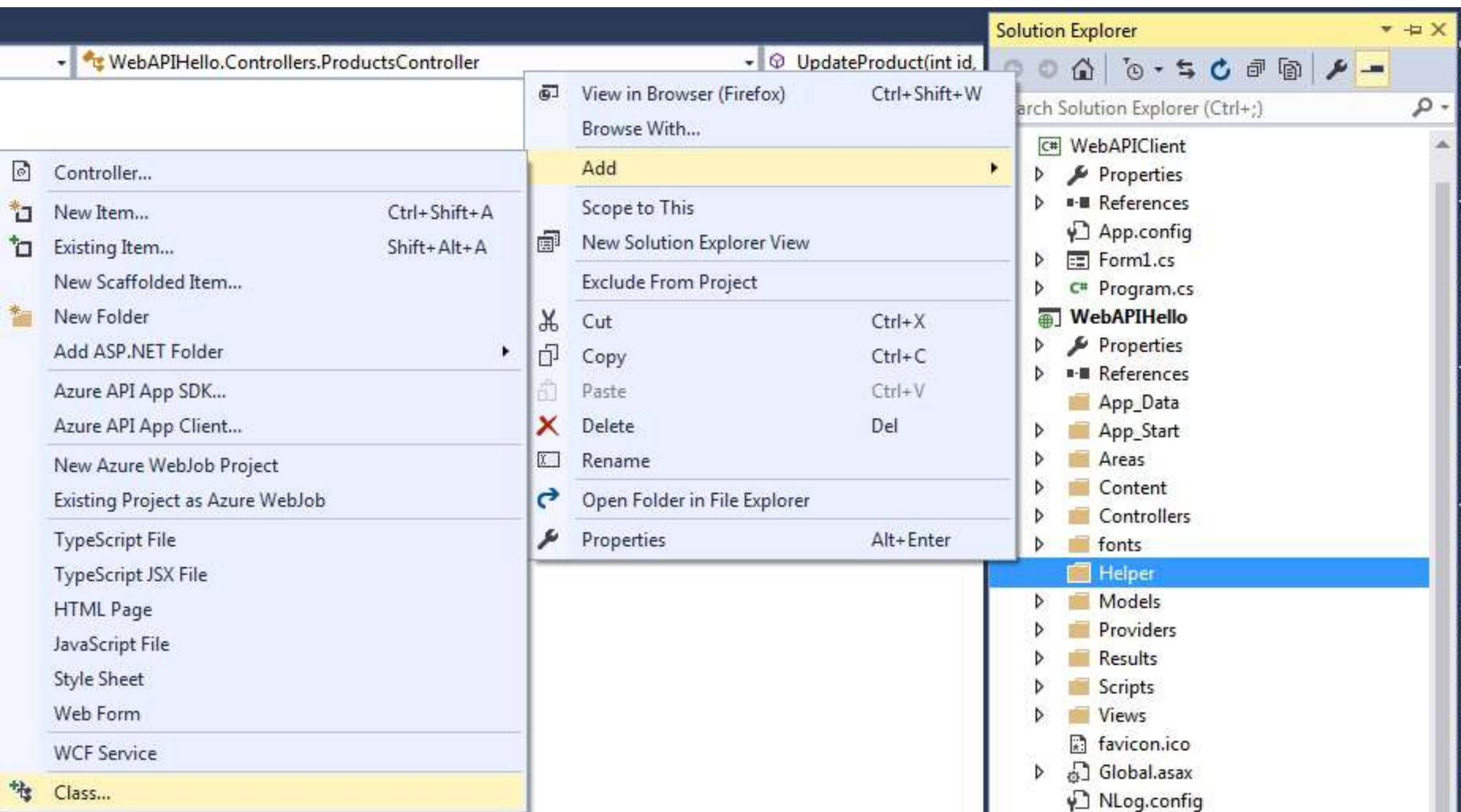
Web API Action Filters

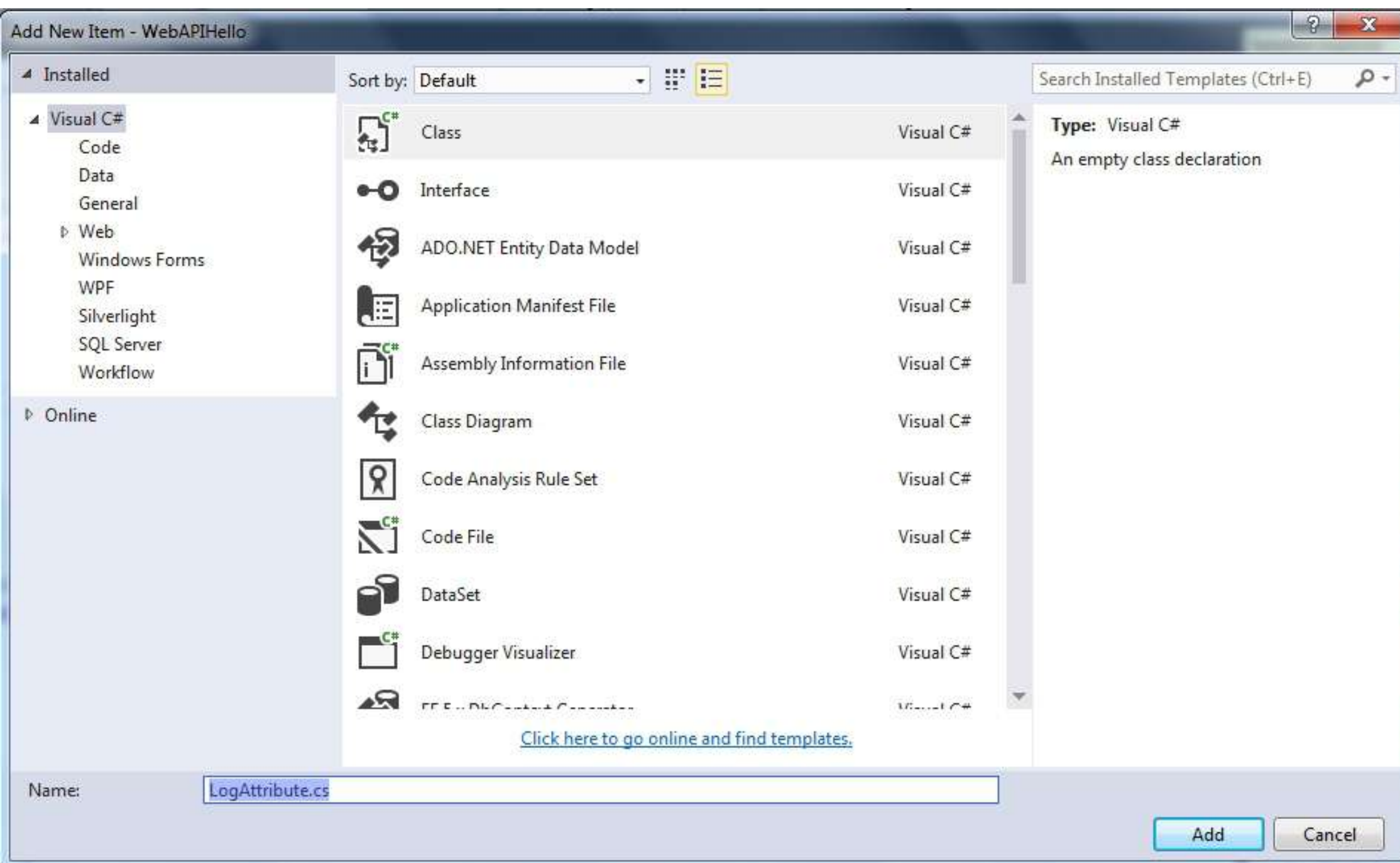


d in products)

Id == id)







LogAttribute.cs* X ProductsController.cs

WebAPIHello WebAPIHello.Helper.LogAttribute OnActionExecuting(HttpActionContext actionContext)

```
4 using System.Web;
5 using System.Web.Http.Controllers;
6 using System.Web.Http.Filters;
7 using System.Diagnostics;
8 namespace WebAPIHello.Helper
9 {
10     public class LogAttribute : ActionFilterAttribute
11     {
12         public LogAttribute()
13         {
14         }
15         public override void OnActionExecuting(HttpActionContext actionContext)
16         {
17             Trace.WriteLine(string.Format("Action Method {0} executing at {1}",
18                 actionContext.ActionDescriptor.ActionName, DateTime.Now.ToShortDateString()));
19         }
20         public override void OnActionExecuted(HttpActionExecutedContext actionExecutedContext)
21         {
22             Trace.WriteLine(string.Format("Action Method {0} executed at {1}",
23                 actionExecutedContext.ActionContext.ActionDescriptor.ActionName,
24                 DateTime.Now.ToShortDateString()) );
25         }
26     }
27 }
```

```
using System.Collections.Generic;
using System.Linq;
using System.Net;
using System.Net.Http;
using System.Web.Http;
using WebAPIHello.Helper;
using WebAPIHello.Models;
```

```
namespace WebAPIHello.Controllers
```

```
{
```

```
    [Log]
```

```
    public class ProductsController : 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 }
```

```
        };
```

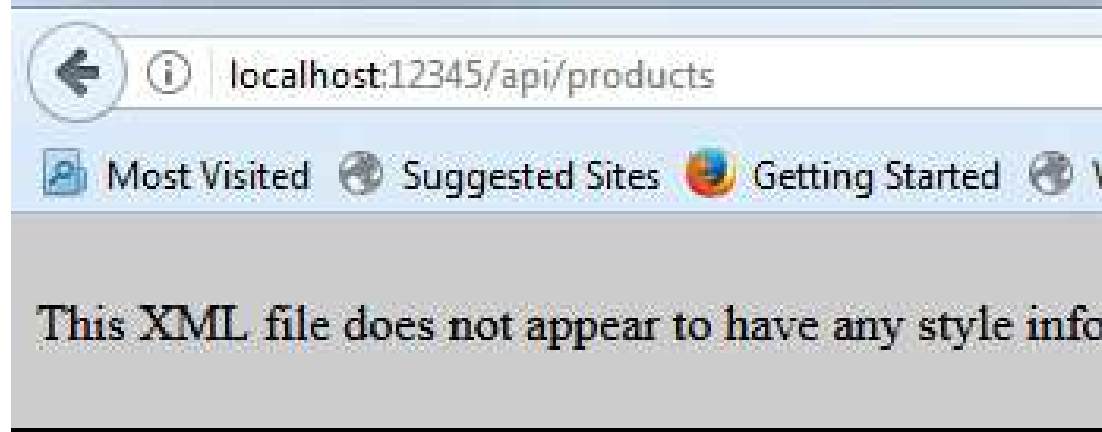
```
        public IEnumerable<Product> GetProducts()
```

```
        {
```

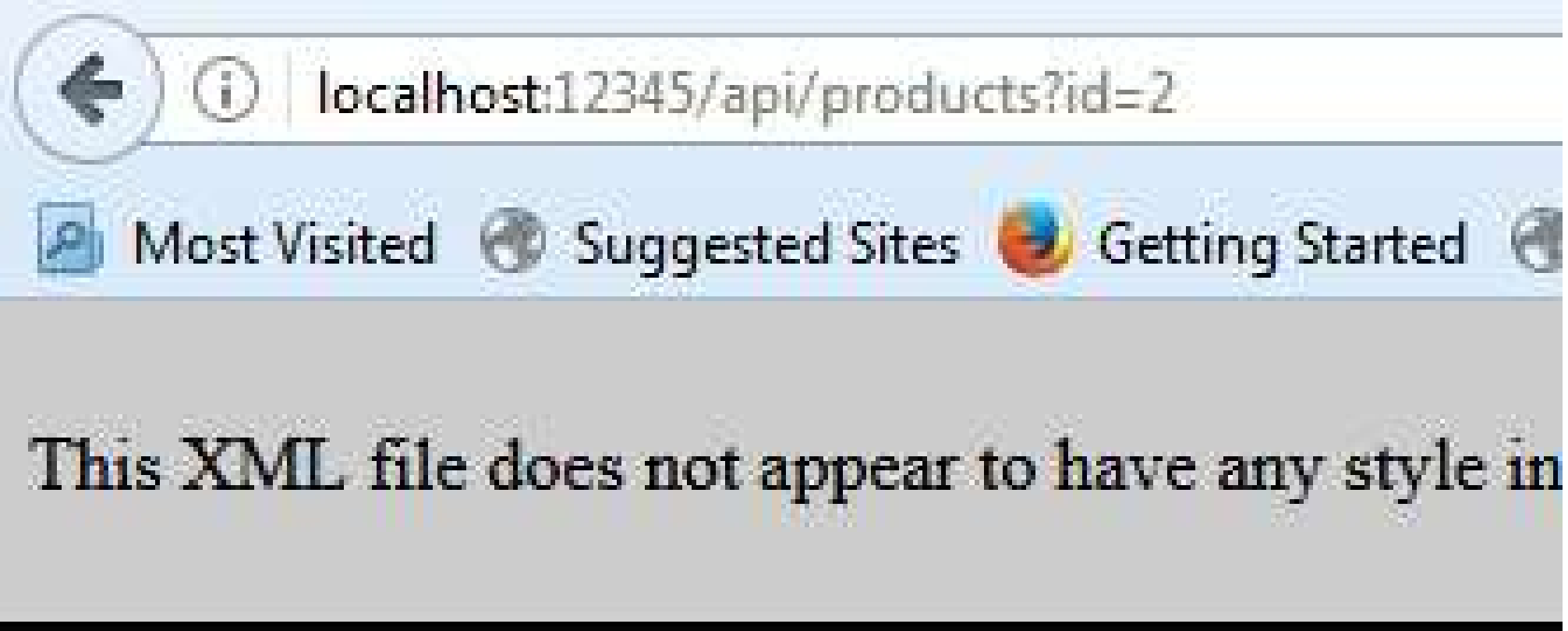
To apply this filter to all Web API controllers, add an instance of the filter to the `HttpConfiguration.Filters` collection during configuration:

```
public static class WebApiConfig
{
    public static void Register(HttpConfiguration config)
    {
        config.Filters.Add(new LogAttribute());

        // ...
    }
}
```



```
- <ArrayOfProduct>
  - <Product>
    <ProductId>1</ProductId>
    <ProductName>Monitor</ProductName>
    <ProductPrice>10000</ProductPrice>
  </Product>
  - <Product>
    <ProductId>2</ProductId>
    <ProductName>Keyboard</ProductName>
    <ProductPrice>1500</ProductPrice>
  </Product>
  - <Product>
    <ProductId>3</ProductId>
    <ProductName>Mouse</ProductName>
    <ProductPrice>400</ProductPrice>
  </Product>
</ArrayOfProduct>
```

```
- <Product>  
  <ProductId>2</ProductId>  
  <ProductName>Keyboard</ProductName>  
  <ProductPrice>1500</ProductPrice>  
</Product>
```



localhost:12345/api/products?id=3



Most Visited



Suggested Sites



Getting Started

This XML file does not appear to have any style

– **<Product>**

<ProductId>3</ProductId>

<ProductName>Mouse</ProductName>

<ProductPrice>400</ProductPrice>

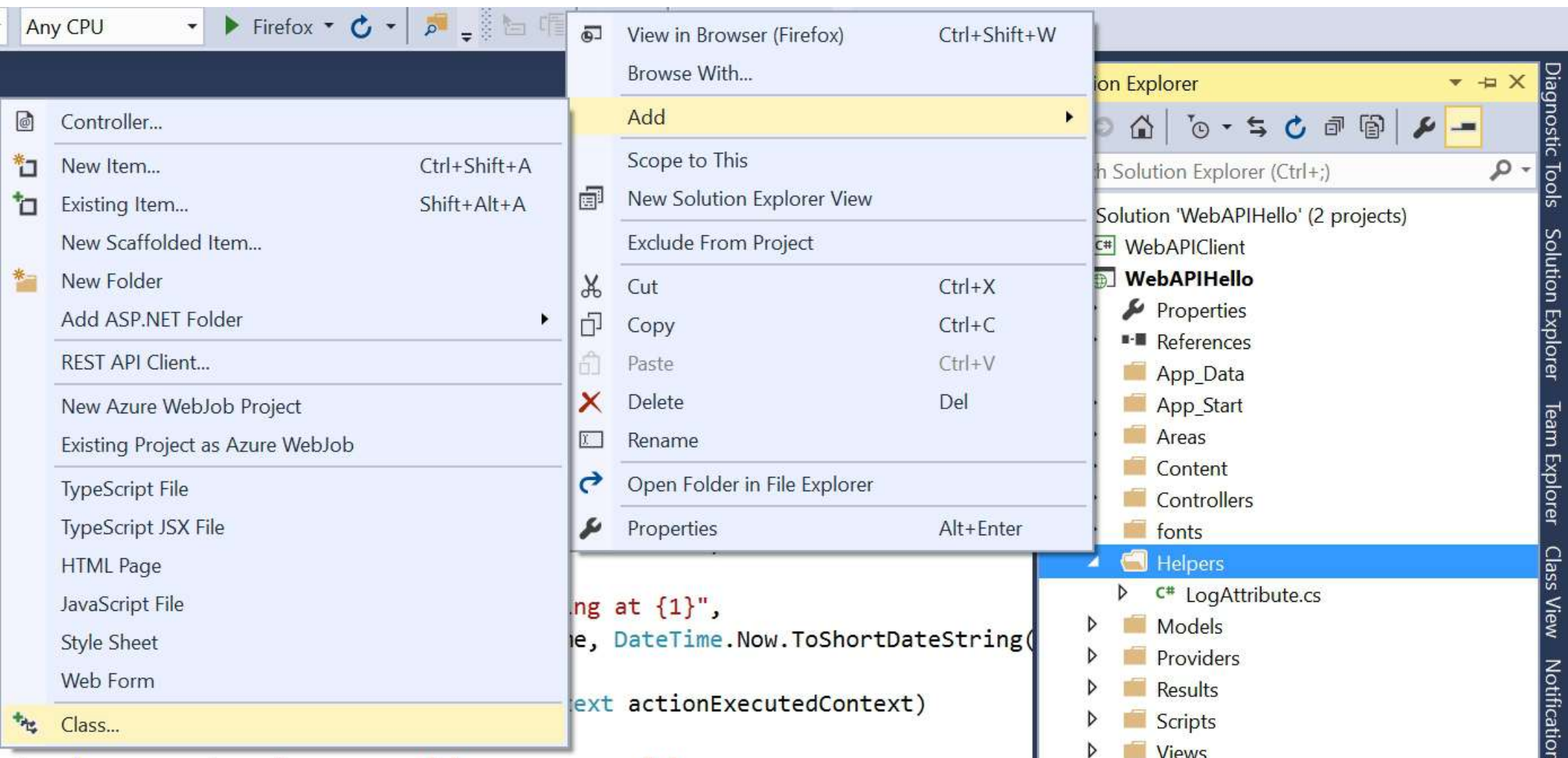
</Product>

Output

Show output from: **Debug**

'iisexpress.exe' (CLR v4.0.30319: /LM/W3SVC/3/ROOT-1-131345703666328125): Loaded 'C:\Windows\Microsoft.Net\assembly\GAC_MSIL\System.Web.Mobile\v4.0.4.0.0__b03f5f7f11d50a3a\System.Web.Mobile.dll'.
'iisexpress.exe' (CLR v4.0.30319: /LM/W3SVC/3/ROOT-1-131345703666328125): Loaded 'C:\Windows\Microsoft.Net\assembly\GAC_MSIL\System.Dynamic\v4.0.4.0.0__b03f5f7f11d50a3a\System.Dynamic.dll'.
'iisexpress.exe' (CLR v4.0.30319: /LM/W3SVC/3/ROOT-1-131345703666328125): Loaded 'C:\Users\PMJ\AppData\Local\Temp\Temporary ASP.NET Files\root\bd3cb281\fd58834\App_Web_aofw34ga.dll'.
'iisexpress.exe' (CLR v4.0.30319: /LM/W3SVC/3/ROOT-1-131345703666328125): Loaded 'C:\Users\PMJ\AppData\Local\Temp\Temporary ASP.NET Files\root\bd3cb281\fd58834\App_Web_jd4etusi.dll'.
'iisexpress.exe' (CLR v4.0.30319: /LM/W3SVC/3/ROOT-1-131345703666328125): Loaded 'C:\Users\PMJ\AppData\Local\Temp\Temporary ASP.NET Files\root\bd3cb281\fd58834\App_Web_az1c5xi0.dll'.
'iisexpress.exe' (CLR v4.0.30319: /LM/W3SVC/3/ROOT-1-131345703666328125): Loaded 'C:\Windows\Microsoft.Net\assembly\GAC_MSIL\Microsoft.VisualStudio.Web.PageInspector.HtmlParser\v4.0.14.0\Microsoft.VisualStudio.Web.PageInspector.HtmlParser.dll'.
Action Method GetProducts executing at 21-03-2017
Action Method GetProducts executed at 21-03-2017
Action Method GetProductWithId executing at 21-03-2017
Action Method GetProductWithId executed at 21-03-2017
Action Method GetProductWithId executing at 21-03-2017
Action Method GetProductWithId executed at 21-03-2017
The thread 0x176c has exited with code 0 (0x0).

Autos Locals Watch1 Call Stack Breakpoints Exception Settings Command Window Immediate Window Output Error List



- Installed
 - Visual C#
 - Code
 - Data
 - General
 - Web
 - Windows Forms
 - WPF
 - Silverlight
 - SQL Server
 - Storm Items
 - Workflow

Online

Sort by: Default



	Class	Visual C#
	Class for U-SQL	Visual C#
	Interface	Visual C#
	ADO.NET Entity Data Model	Visual C#
	Application Manifest File	Visual C#
	Assembly Information File	Visual C#
	Class Diagram	Visual C#
	Code Analysis Rule Set	Visual C#
	Code File	Visual C#

[Click here to go online and find templates.](#)

Search Installed Templates (Ctrl+E)

Type: Visual C#
An empty class declaration

Name: Log2Attribute.cs

Add Cancel


```
namespace WebAPIHello.Helpers
{
    public class Log2Attribute: Attribute, IActionFilter
    {
        public Log2Attribute() { }
        public Task<HttpResponseMessage> ExecuteActionFilterAsync( HttpContext actionContext,
                                                                    CancellationToken cancellationToken,
                                                                    Func<Task<HttpResponseMessage>> continuation)
        {
            Trace.WriteLine(string.Format("Action Method {0} executing at {1}",
                                         actionContext.ActionDescriptor.ActionName, DateTime.Now.ToShortDateString()));

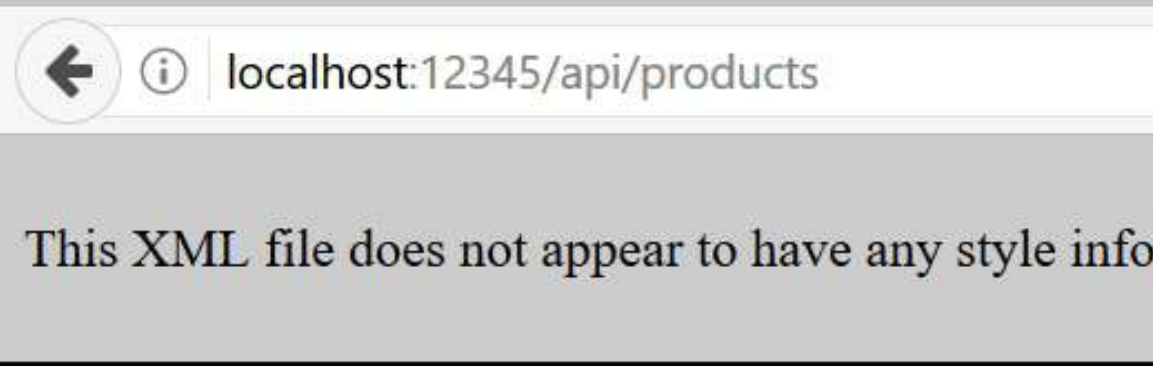
            var result = continuation();
            result.Wait();

            Trace.WriteLine(string.Format("Action Method {0} executed at {1}",
                                         actionContext.ActionDescriptor.ActionName, DateTime.Now.ToShortDateString()));

            return result;
        }
        public bool AllowMultiple
        {
            get { return true; }
        }
    }
}
```

```
using System.Net;
using System.Net.Http;
using System.Web.Http;
using WebAPIHello.Helpers;
using WebAPIHello.Models;

namespace WebAPIHello.Controllers
{
    [Log2]
    public class ProductsController : 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 }
        };
    }
}
```



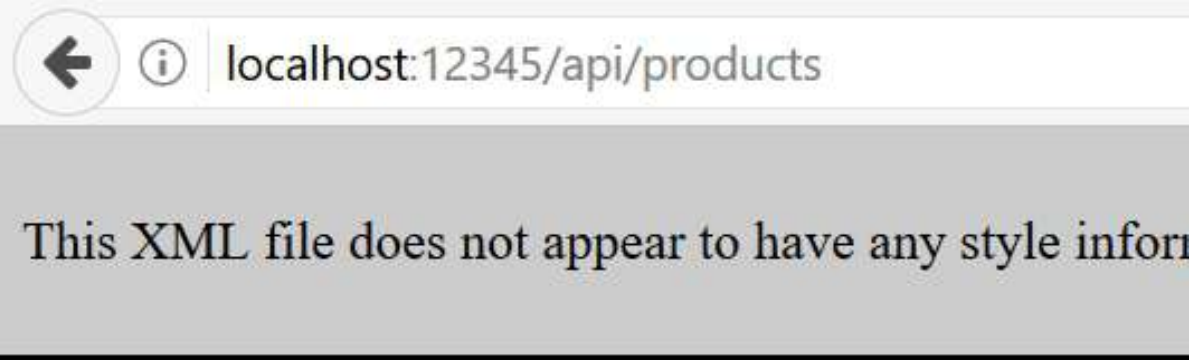
```
- <ArrayOfProduct>
  - <Product>
    <ProductId>1</ProductId>
    <ProductName>Monitor</ProductName>
    <ProductPrice>10000</ProductPrice>
  </Product>
  - <Product>
    <ProductId>2</ProductId>
    <ProductName>Keyboard</ProductName>
    <ProductPrice>1500</ProductPrice>
  </Product>
  - <Product>
    <ProductId>3</ProductId>
    <ProductName>Mouse</ProductName>
    <ProductPrice>400</ProductPrice>
  </Product>
</ArrayOfProduct>
```



localhost:12345/api/products?id=3

This XML file does not appear to have any style

```
– <Product>  
  <ProductId>3</ProductId>  
  <ProductName>Mouse</ProductName>  
  <ProductPrice>400</ProductPrice>  
</Product>
```



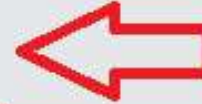
```
- <ArrayOfProduct>
  - <Product>
    <ProductId>1</ProductId>
    <ProductName>Monitor</ProductName>
    <ProductPrice>10000</ProductPrice>
  </Product>
  - <Product>
    <ProductId>2</ProductId>
    <ProductName>Keyboard</ProductName>
    <ProductPrice>1500</ProductPrice>
  </Product>
  - <Product>
    <ProductId>3</ProductId>
    <ProductName>Mouse</ProductName>
    <ProductPrice>400</ProductPrice>
  </Product>
</ArrayOfProduct>
```


Output

Show output from:



```
Exception thrown: 'Microsoft.CSharp.RuntimeBinder.RuntimeBinderException' in Microsoft.CSharp.dll
Exception thrown: 'Microsoft.CSharp.RuntimeBinder.RuntimeBinderException' in Microsoft.CSharp.dll
'iisexpress.exe' (CLR v4.0.30319: /LM/W3SVC/3/ROOT-1-131345879359045865): Loaded 'C:\Users\LENOVO\A
'iisexpress.exe' (CLR v4.0.30319: /LM/W3SVC/3/ROOT-1-131345879359045865): Loaded 'C:\Users\LENOVO\A
'iisexpress.exe' (CLR v4.0.30319: /LM/W3SVC/3/ROOT-1-131345879359045865): Loaded 'C:\Users\LENOVO\A
Exception thrown: 'Microsoft.CSharp.RuntimeBinder.RuntimeBinderException' in Microsoft.CSharp.dll
Exception thrown: 'Microsoft.CSharp.RuntimeBinder.RuntimeBinderException' in Microsoft.CSharp.dll
'iisexpress.exe' (CLR v4.0.30319: /LM/W3SVC/3/ROOT-1-131345879359045865): Loaded 'C:\WINDOWS\Microso
Action Method GetProducts executing at 21-03-2017
Action Method GetProducts executed at 21-03-2017
Action Method GetProductWithId executing at 21-03-2017
Action Method GetProductWithId executed at 21-03-2017
Action Method GetProducts executing at 21-03-2017
Action Method GetProducts executed at 21-03-2017
```



Any CPU Firefox

ProductsController.cs

- Controller...
- New Item... Ctrl+Shift+A
- Existing Item... Shift+Alt+A
- New Scaffolded Item...
- New Folder
- Add ASP.NET Folder
- REST API Client...
- New Azure WebJob Project
- Existing Project as Azure WebJob
- TypeScript File
- TypeScript JSX File
- HTML Page
- JavaScript File
- Style Sheet
- Web Form
- Class...

View in Browser (Firefox) Ctrl+Shift+W

Browse With...

Add

Scope to This

New Solution Explorer View

Exclude From Project

Cut Ctrl+X

Copy Ctrl+C

Paste Ctrl+V

Delete Del

Rename

Open Folder in File Explorer

Properties Alt+Enter

Solution Explorer

Search Solution Explorer (Ctrl+;)

Solution 'WebAPIHello' (2 projects)










- WebAPIClient
- WebAPIHello**
 - Properties
 - References
 - App_Data
 - App_Start
 - Areas
 - Content
 - Controllers
 - fonts
 - Helpers
 - Log2Attribute.cs
 - LogAttribute.cs
 - Models
 - Providers
 - Results
 - Scripts

```
context actionExecutedContext)  
    {  
        return "Executed at {1}",  
            actionDescriptor.ActionName,  
            actionDescriptor.ControllerName;  
    }  
}
```

- Installed
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	Assembly Information File	Visual C#
	Class Diagram	Visual C#
	Code Analysis Rule Set	Visual C#
	Code File	Visual C#

Search Installed Templates (Ctrl+E)

Type: Visual C#
An empty class declaration

[Click here to go online and find templates.](#)

Name:

Add Cancel

UpperCaseAttribute.cs X ValuesController.cs Log2Attribute.cs LogAttribute.cs ProductsController.cs

WebAPIHello WebAPIHello.Helpers.UpperCaseAttribute OnActionExecuting(Ht

```
5 using System.Web.Http.Controllers;
6 using System.Web.Http.Filters;
7
8 namespace WebAPIHello.Helpers
9 {
10     public class UpperCaseAttribute : ActionFilterAttribute
11     {
12         public override void OnActionExecuting(HttpActionContext actionContext)
13         {
14             object str = "";
15             if (actionContext.ActionArguments.TryGetValue("name", out str))
16             {
17                 str = ((string)str).ToUpper();
18                 actionContext.ActionArguments["name"] = str;
19             }
20         }
21         public override void OnActionExecuted(HttpActionExecutedContext actionExecutedContext)
22         {
23
24         }
25     }
26 }
```

```
public Product GetProductWithName(string name)
{
    switch(name.ToUpper())
    {
        case "MONITOR": return products[0];
        case "KEYBOARD": return products[1];
        case "MOUSE": return products[2];
        default: return new Product()
            {
                ProductId = 0,
                ProductName = "Product doesn't exist!",
                ProductPrice = 0
            };
    }
}
```


[UpperCase]

```
public Product GetProductWithName(string name)
{
    switch (name)
    {
        case "MONITOR": return products[0];
        case "KEYBOARD": return products[1];
        case "MOUSE": return products[2];
        default:
            return new Product()
            {
                ProductId = 0,
                ProductName = "Product doesn't exist!",
                ProductPrice = 0
            };
    }
}
```



localhost:12345/api/products?name=monitor

This XML file does not appear to have any style information associated with it.

```
- <Product>
  <ProductId>1</ProductId>
  <ProductName>Monitor</ProductName>
  <ProductPrice>10000</ProductPrice>
</Product>
```



localhost:12345/api/products?name=KEYBOARD

This XML file does not appear to have any style information

```
- <Product>  
  <ProductId>2</ProductId>  
  <ProductName>Keyboard</ProductName>  
  <ProductPrice>1500</ProductPrice>  
</Product>
```

Model Validation in Web API

```
[HttpPost]
public void AddProductLike(Product prod)
{
    Product p = new Product();
    if (prod != null)
    {
        p.ProductId = prod.ProductId;
        p.ProductName = prod.ProductName;
        p.ProductPrice = prod.ProductPrice;
        products.Add(p);
    }
}
```


This XML file does not appear to have any style information associated with it.

```
- <ArrayOfProduct>
  - <Product>
    <ProductId>1</ProductId>
    <ProductName>Monitor</ProductName>
    <ProductPrice>10000</ProductPrice>
  </Product>
  - <Product>
    <ProductId>2</ProductId>
    <ProductName>Keyboard</ProductName>
    <ProductPrice>1500</ProductPrice>
  </Product>
  - <Product>
    <ProductId>3</ProductId>
    <ProductName>Mouse</ProductName>
    <ProductPrice>400</ProductPrice>
  </Product>
</ArrayOfProduct>
```

New Request

Send

Cancel

POST

http://localhost:12345/api/products

Request Headers:

Host: localhost:12345

User-Agent: Mozilla/5.0 (Windows NT 10.0; WOW64; rv:52.0) Gecko/20100101 Firefox/52.0

Accept: application/json

Content-Type: application/json

Accept-Language: en-US,en;q=0.5

Accept-Encoding: gzip, deflate

Connection: keep-alive

Upgrade-Insecure-Requests: 1

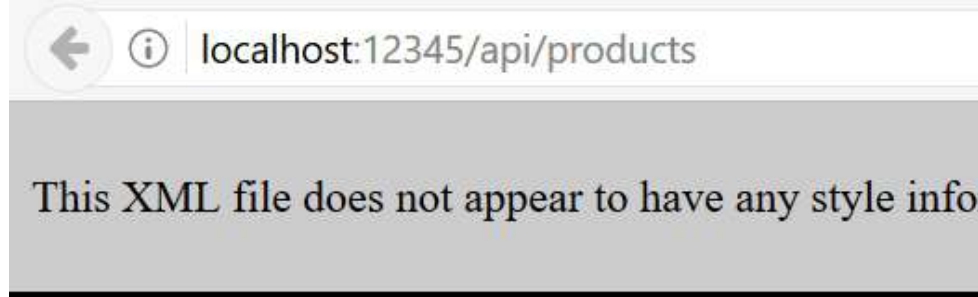
Cache-Control: max-age=0, no-cache

Request Body:

```
{  
  productname: "printer",  
  productprice: 6000  
}
```

"ProductId" is missing in the request body ??

Headers	Cookies	Params	Response	Timings
Request URL: http://localhost:12345/api/products Request method: POST Remote address: [::1]:12345 Status code: ● 204 No Content Version: HTTP/1.1				
			Edit and Resend	Raw headers
<div> Filter headers </div>				
<div> Response headers (0.353 KB) </div>				
Cache-Control: "no-cache"				
Date: "Tue, 21 Mar 2017 18:36:32 GMT"				
Expires: "-1"				
Pragma: "no-cache"				
Server: "Microsoft-IIS/10.0"				
X-AspNet-Version: "4.0.30319"				
X-Powered-By: "ASP.NET"				
X-SourceFiles: "=?UTF-8?B?QzpcVXNlcnNcTEVOT1ZPXERvY3Vt...FdIYkFQSUhlgXvXGFwaVxwcm9kdWN0cw==?="				
<div> Request headers (0.383 KB) </div>				
Host: "localhost:12345"				
User-Agent: "Mozilla/5.0 (Windows NT 10.0; WOW64; rv:52.0) Gecko/20100101 Firefox/52.0"				
Accept: "application/json"				
Accept-Language: "en-US,en;q=0.5"				
Accept-Encoding: "gzip, deflate"				
Content-Type: "application/json"				
Connection: "keep-alive"				
Upgrade-Insecure-Requests: "1"				
Cache-Control: "max-age=0, no-cache"				
Content-Length: "46"				
Pragma: "no-cache"				



```
- <ArrayOfProduct>
  - <Product>
    <ProductId>1</ProductId>
    <ProductName>Monitor</ProductName>
    <ProductPrice>10000</ProductPrice>
  </Product>
  - <Product>
    <ProductId>2</ProductId>
    <ProductName>Keyboard</ProductName>
    <ProductPrice>1500</ProductPrice>
  </Product>
  - <Product>
    <ProductId>3</ProductId>
    <ProductName>Mouse</ProductName>
    <ProductPrice>400</ProductPrice>
  </Product>
  - <Product>
    <ProductId>0</ProductId>
    <ProductName>printer</ProductName>
    <ProductPrice>6000</ProductPrice>
  </Product>
</ArrayOfProduct>
```



```
1  using System;
2  using System.Collections.Generic;
3  using System.Linq;
4  using System.Web;
5  using System.ComponentModel.DataAnnotations;
6
7  namespace WebAPIHello.Models
8  {
9      public class Product
10     {
11         [Required]
12         public int ProductId { get; set; }
13
14         public string ProductName { get; set; }
15
16         [Range(0, 10000)]
17         public decimal ProductPrice { get; set; }
18     }
19 }
```



```
public class person
{
    [StringLength(7), Required]
    public string Name { get; set; }

    public string surname { get; set; }
    [Range(0, 99)]
    public Int16 age { get; set; }

    [RegularExpression("^[0-9]*$")]
    public string PhoneNo { get; set; }

    [RegularExpression(@"^([\w\.\- ]+)([\w\.- ]+)((\.([\w]{2,3})+)$")]
    public string Email { get; set; }
}
```

```
[HttpPost]
public HttpResponseMessage AddProductLike(Product prod)
{
    Product p = new Product();
    if (ModelState.IsValid)
    {
        p.ProductId = prod.ProductId;
        p.ProductName = prod.ProductName;
        p.ProductPrice = prod.ProductPrice;
        products.Add(p);
        return new HttpResponseMessage(HttpStatusCode.OK);
    }
    else
    {
        return Request.CreateErrorResponse(HttpStatusCode.BadRequest, ModelState);
    }
}
```

New Request

Send

Cancel

POST

http://localhost:12345/api/products

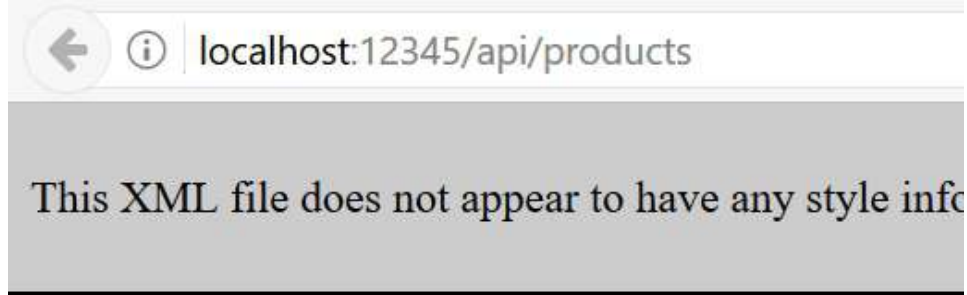
Request Headers:

Host: localhost:12345
User-Agent: Mozilla/5.0 (Windows NT 10.0; WOW64; rv:52.0) Gecko/20100101 Firefox/52.0
Accept: application/json
Accept-Language: en-US,en;q=0.5
Accept-Encoding: gzip, deflate
Content-Type: application/json
Connection: keep-alive
Upgrade-Insecure-Requests: 1
Cache-Control: max-age=0, no-cache

Request Body:

```
{  
  productname: "printer",  
  productprice: 6000  
}
```

Headers	Cookies	Params	Response	Timings
<div>Request URL: http://localhost:12345/api/products</div> <div>Request method: POST</div> <div>Remote address: [::1]:12345</div> <div>Status code: 200 OK</div> <div>Version: HTTP/1.1</div> <div><div>Filter headers</div><div><div>Response headers (0.363 KB)</div><div>Cache-Control: "no-cache"</div><div>Content-Length: "0"</div><div>Date: "Tue, 21 Mar 2017 18:57:08 GMT"</div><div>Expires: "-1"</div><div>Pragma: "no-cache"</div><div>Server: "Microsoft-IIS/10.0"</div><div>X-AspNet-Version: "4.0.30319"</div><div>X-Powered-By: "ASP.NET"</div><div>X-SourceFiles: "=?UTF-8?B?QzpcVXNlcnNcTEVOT1ZPXERvY3Vt...FdIYkFQSUhIbGxvXGFwaVxwcm9kdWN0cw==?="</div><div>Request headers (0.383 KB)</div><div>Host: "localhost:12345"</div><div>User-Agent: "Mozilla/5.0 (Windows NT 10.0; WOW64; rv:52.0) Gecko/20100101 Firefox/52.0"</div><div>Accept: "application/json"</div><div>Accept-Language: "en-US,en;q=0.5"</div><div>Accept-Encoding: "gzip, deflate"</div><div>Content-Type: "application/json"</div><div>Connection: "keep-alive"</div><div>Upgrade-Insecure-Requests: "1"</div><div>Cache-Control: "max-age=0, no-cache"</div><div>Content-Length: "46"</div></div></div> <div><div>Edit and Resend</div><div>Raw headers</div></div> <div><div>←</div><div>???</div></div>				



```
- <ArrayOfProduct>
  - <Product>
    <ProductId>1</ProductId>
    <ProductName>Monitor</ProductName>
    <ProductPrice>10000</ProductPrice>
  </Product>
  - <Product>
    <ProductId>2</ProductId>
    <ProductName>Keyboard</ProductName>
    <ProductPrice>1500</ProductPrice>
  </Product>
  - <Product>
    <ProductId>3</ProductId>
    <ProductName>Mouse</ProductName>
    <ProductPrice>400</ProductPrice>
  </Product>
  - <Product>
    <ProductId>0</ProductId>      ?????
    <ProductName>printer</ProductName>
    <ProductPrice>6000</ProductPrice>
  </Product>
</ArrayOfProduct>
```



**The JSON formatter
assigns a default value of
zero to the missing
properties.**

```
namespace WebAPIHello.Models
{
    public class Product
    {
        [Required]
        public int? ProductId { get; set; }

        public string ProductName { get; set; }

        [Range(0, 10000)]
        public decimal ProductPrice { get; set; }
    }
}
```

Nullable



New Request

Send

Cancel

POST

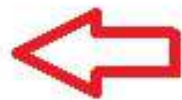
http://localhost:12345/api/products

Request Headers:

Host: localhost:12345
User-Agent: Mozilla/5.0 (Windows NT 10.0; WOW64; rv:52.0) Gecko/20100101 Firefox/52.0
Accept: application/json
Accept-Language: en-US,en;q=0.5
Accept-Encoding: gzip, deflate
Content-Type: application/json
Connection: keep-alive
Upgrade-Insecure-Requests: 1
Cache-Control: max-age=0, no-cache

Request Body:

```
{  
  productname: "printer",  
  productprice: 6000  
}
```



ProductId is missing ???

Headers	Cookies	Params	Response	Timings
Request URL: http://localhost:12345/api/products Request method: POST Remote address: [::1]:12345 Status code: ■ 400 Bad Request Version: HTTP/1.1				
			Edit and Resend	Raw headers
<div> Filter headers </div>				
<div> <div>Response headers (0.420 KB)</div> <div> <div>Cache-Control: "no-cache"</div> <div>Content-Length: "106"</div> <div>Content-Type: "application/json; charset=utf-8"</div> <div>Date: "Tue, 21 Mar 2017 19:09:21 GMT"</div> <div>Expires: "-1"</div> <div>Pragma: "no-cache"</div> <div>Server: "Microsoft-IIS/10.0"</div> <div>X-AspNet-Version: "4.0.30319"</div> <div>X-Powered-By: "ASP.NET"</div> <div>X-SourceFiles: "=?UTF-8?B?QzpcVXNlcnNcTEVOT1ZPXERvY3Vt...FdIYkFQSUhlgxvXGFwaVxwcm9kdWN0cw==?="</div> </div> </div>				
<div> <div>Request headers (0.383 KB)</div> <div> <div>Host: "localhost:12345"</div> <div>User-Agent: "Mozilla/5.0 (Windows NT 10.0; WOW64; rv:52.0) Gecko/20100101 Firefox/52.0"</div> <div>Accept: "application/json"</div> <div>Accept-Language: "en-US,en;q=0.5"</div> <div>Accept-Encoding: "gzip, deflate"</div> <div>Content-Type: "application/json"</div> <div>Connection: "keep-alive"</div> <div>Upgrade-Insecure-Requests: "1"</div> <div>Cache-Control: "max-age=0, no-cache"</div> </div> </div>				

Headers

Cookies

Params

Response

Timings

🔍 Filter properties

▼ JSON

message: "The request is invalid."

▼ ModelState: Object

▼ prod.ProductId: Array

0: "The ProductId field is required."

New Request

Send

Cancel

POST

http://localhost:12345/api/products

Request Headers:

Host: localhost:12345

User-Agent: Mozilla/5.0 (Windows NT 10.0; WOW64; rv:52.0) Gecko/20100101 Firefox/52.0

Accept: application/json

Accept-Language: en-US,en;q=0.5

Accept-Encoding: gzip, deflate

Content-Type: application/json

Connection: keep-alive

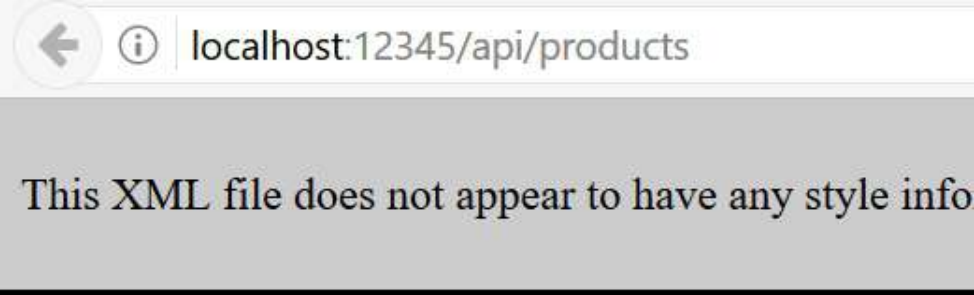
Upgrade-Insecure-Requests: 1

Cache-Control: max-age=0, no-cache

Request Body:

```
{
  productid: 4,
  productname: "printer",
  productprice: 6000
}
```

Headers	Cookies	Params	Response	Timings
Request URL: http://localhost:12345/api/products Request method: POST Remote address: [::1]:12345 Status code: ● 200 OK Version: HTTP/1.1				
			Edit and Resend	Raw headers
<div> Filter headers </div>				
<div> <div>Response headers (0.363 KB)</div> <div> <div>Cache-Control: "no-cache"</div> <div>Content-Length: "0"</div> <div>Date: "Tue, 21 Mar 2017 19:10:17 GMT"</div> <div>Expires: "-1"</div> <div>Pragma: "no-cache"</div> <div>Server: "Microsoft-IIS/10.0"</div> <div>X-AspNet-Version: "4.0.30319"</div> <div>X-Powered-By: "ASP.NET"</div> <div>X-SourceFiles: "=?UTF-8?B?QzpcVXNlcnNcTEVOT1ZPXERvY3Vt...FdIYkFQSUhIbGxvXGFwaVxwcm9kdWN0cw==?="</div> </div> </div>				
<div> <div>Request headers (0.383 KB)</div> <div> <div>Host: "localhost:12345"</div> <div>User-Agent: "Mozilla/5.0 (Windows NT 10.0; WOW64; rv:52.0) Gecko/20100101 Firefox/52.0"</div> <div>Accept: "application/json"</div> <div>Accept-Language: "en-US,en;q=0.5"</div> <div>Accept-Encoding: "gzip, deflate"</div> <div>Content-Type: "application/json"</div> <div>Connection: "keep-alive"</div> <div>Upgrade-Insecure-Requests: "1"</div> <div>Cache-Control: "max-age=0, no-cache"</div> <div>Content-Length: "60"</div> </div> </div>				



```
- <ArrayOfProduct>
  - <Product>
    <ProductId>1</ProductId>
    <ProductName>Monitor</ProductName>
    <ProductPrice>10000</ProductPrice>
  </Product>
  - <Product>
    <ProductId>2</ProductId>
    <ProductName>Keyboard</ProductName>
    <ProductPrice>1500</ProductPrice>
  </Product>
  - <Product>
    <ProductId>3</ProductId>
    <ProductName>Mouse</ProductName>
    <ProductPrice>400</ProductPrice>
  </Product>
  - <Product>
    <ProductId>4</ProductId>
    <ProductName>printer</ProductName>
    <ProductPrice>6000</ProductPrice>
  </Product>
</ArrayOfProduct>
```