

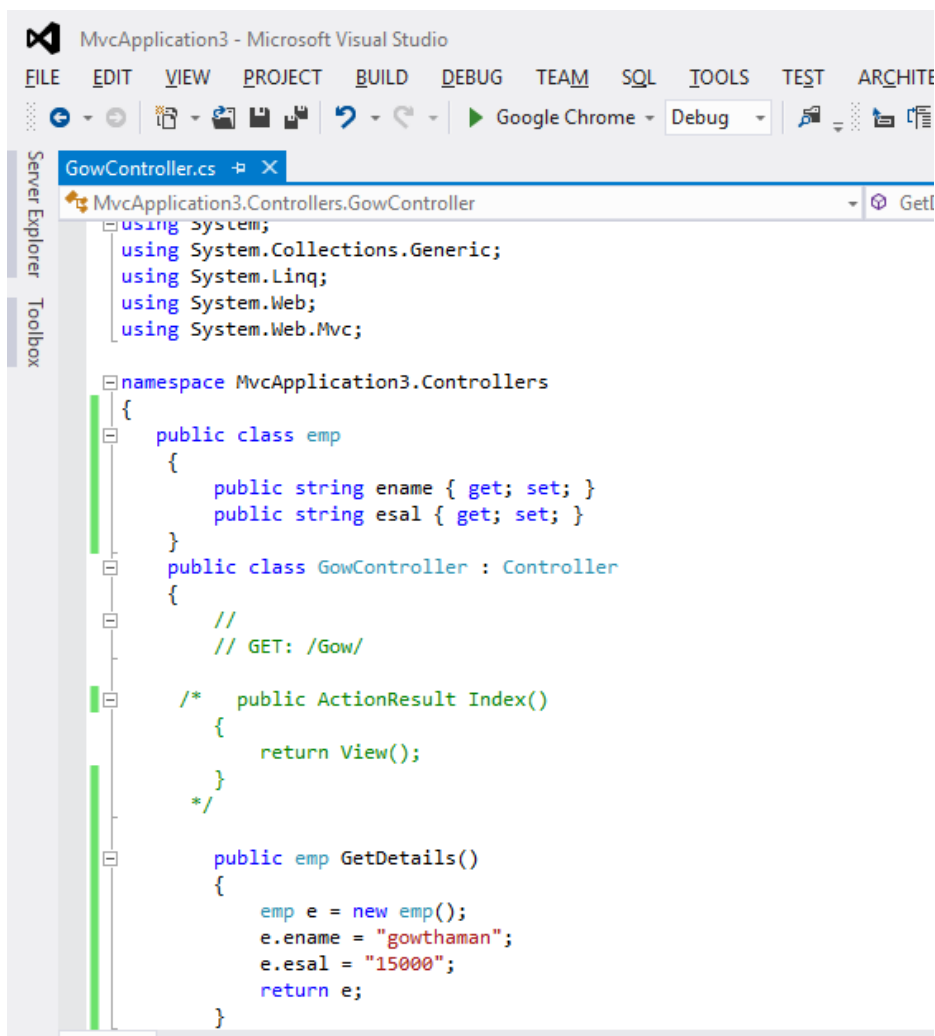
## What is Action Method?

Action method is simply a public method inside controller which accepts user's request and returns some response.

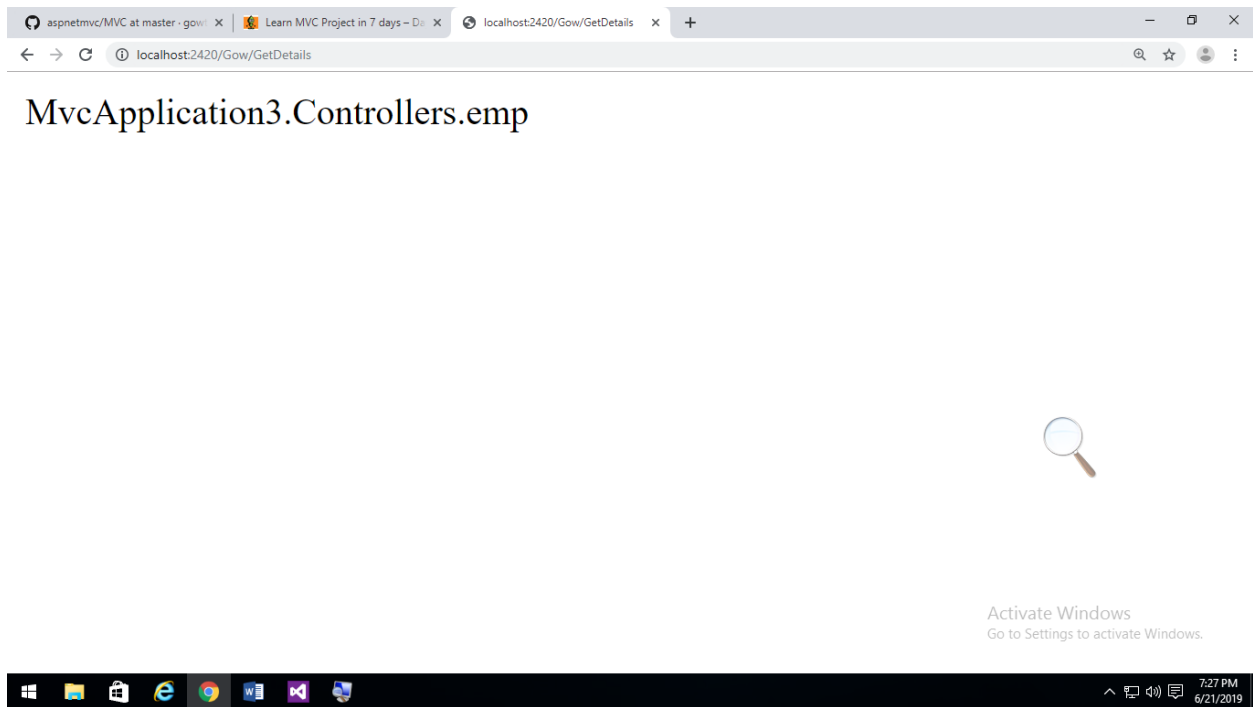
Ex:

```
public class GowthamController : Controller
{
    public String GetString()
    {
        return "welcome to gowthaman";
    }
}
```

## To return an object from an action method?



Output:



When return type is some object like 'customer', it will return 'ToString()' implementation of that object. By default 'ToString()' method returns fully qualified name of the class which is "NameSpace.ClassName";

What if you want to get values of properties in above example?

Simply override "ToString" method of class as follows.



MvcApplication3 - Microsoft Visual Studio

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Google Chrome Debug

Server Explorer  
Toolbox

GowController.cs

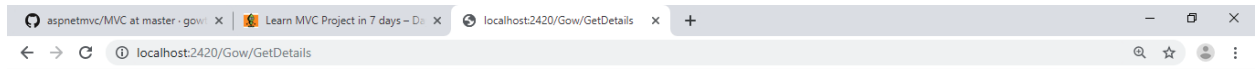
MvcApplication3.Controllers.emp

```
namespace MvcApplication3.Controllers
{
    public class emp
    {
        public string ename { get; set; }
        public string esal { get; set; }
        public override string ToString()
        {
            return this.ename + " + " + this.esal;
        }
    }
    public class GowController : Controller
    {
        //
        // GET: /Gow/

        /* public ActionResult Index()
        {
            return View();
        }
        */

        public emp GetDetails()
        {
            emp e = new emp();
            e.ename = "gowthaman";
            e.esal = "15000";
            return e;
        }
    }
}
```

100 %



gowthaman + 15000



Activate Windows  
Go to Settings to activate Windows.

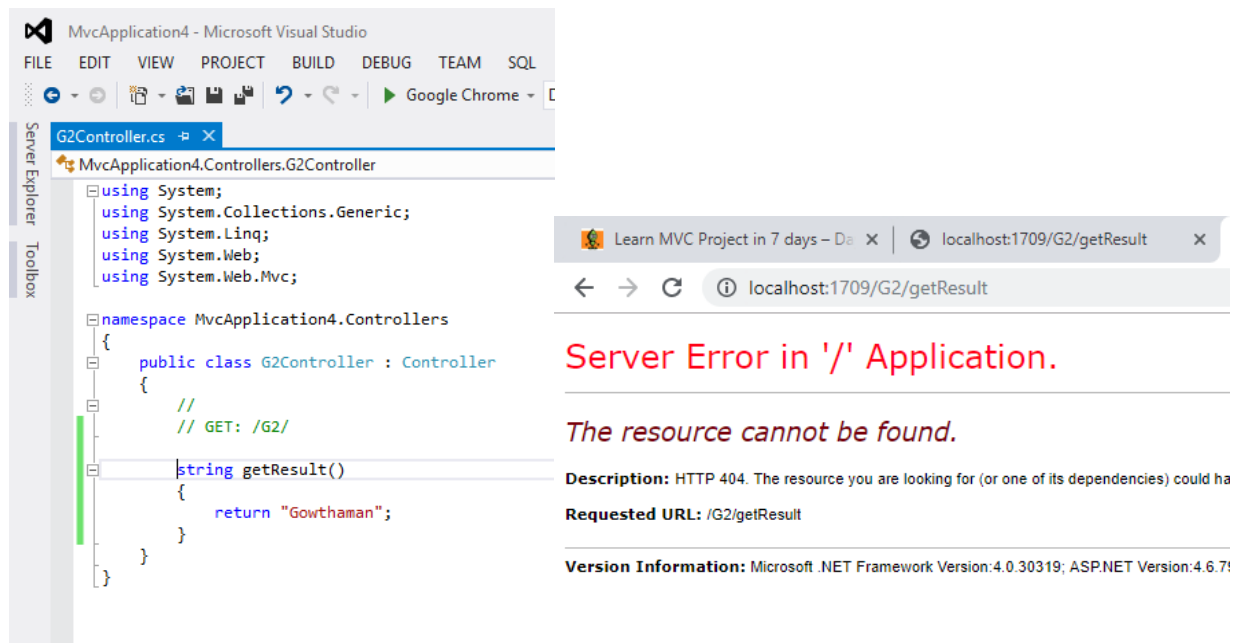


## Is it must to decorate action methods with public access modifier?

Yes, every public method will become action methods automatically.

## What about non-public methods?

They are simply methods of a class and not available public . In simple words these methods can not be invoked from the web.



The screenshot shows the Visual Studio IDE with the file `G2Controller.cs` open. The code defines a `G2Controller` class with a `getResult()` method. The browser window shows a 404 error for the URL `localhost:1709/G2/getResult`.

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.Mvc;

namespace MvcApplication4.Controllers
{
    public class G2Controller : Controller
    {
        // GET: /G2/
        string getResult()
        {
            return "Gowthaman";
        }
    }
}
```

**Server Error in '/' Application.**

*The resource cannot be found.*

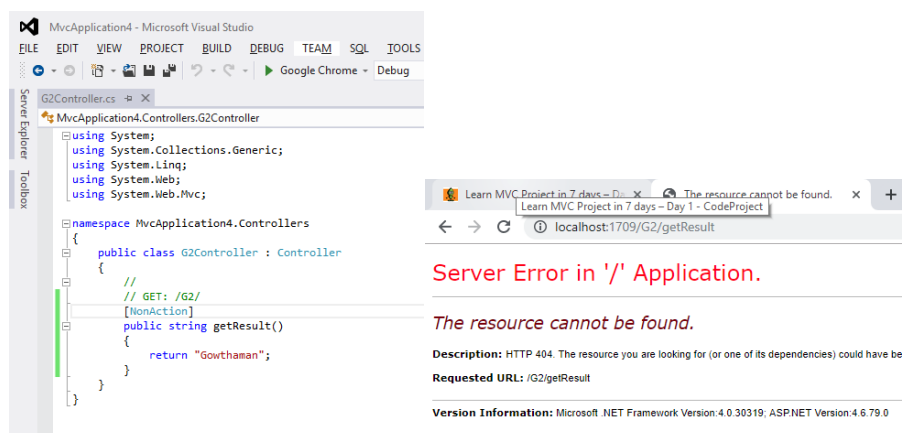
**Description:** HTTP 404. The resource you are looking for (or one of its dependencies) could ha

**Requested URL:** /G2/getResult

**Version Information:** Microsoft .NET Framework Version:4.0.30319; ASP.NET Version:4.6.7!

## What if we want a method to be public but not action method?

Simply decorate it with NonAction attribute as follows.



The screenshot shows the Visual Studio IDE with the file `G2Controller.cs` open. The code defines a `G2Controller` class with a `getResult()` method decorated with the `[NonAction]` attribute. The browser window shows a 404 error for the URL `localhost:1709/G2/getResult`.

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.Mvc;

namespace MvcApplication4.Controllers
{
    public class G2Controller : Controller
    {
        // GET: /G2/
        [NonAction]
        public string getResult()
        {
            return "Gowthaman";
        }
    }
}
```

**Server Error in '/' Application.**

*The resource cannot be found.*

**Description:** HTTP 404. The resource you are looking for (or one of its dependencies) could have be

**Requested URL:** /G2/getResult

**Version Information:** Microsoft .NET Framework Version:4.0.30319; ASP.NET Version:4.6.79.0