



In this article you will learn how to read RSS Feed using MVC



Sourabh Somani

Apr 11 2016

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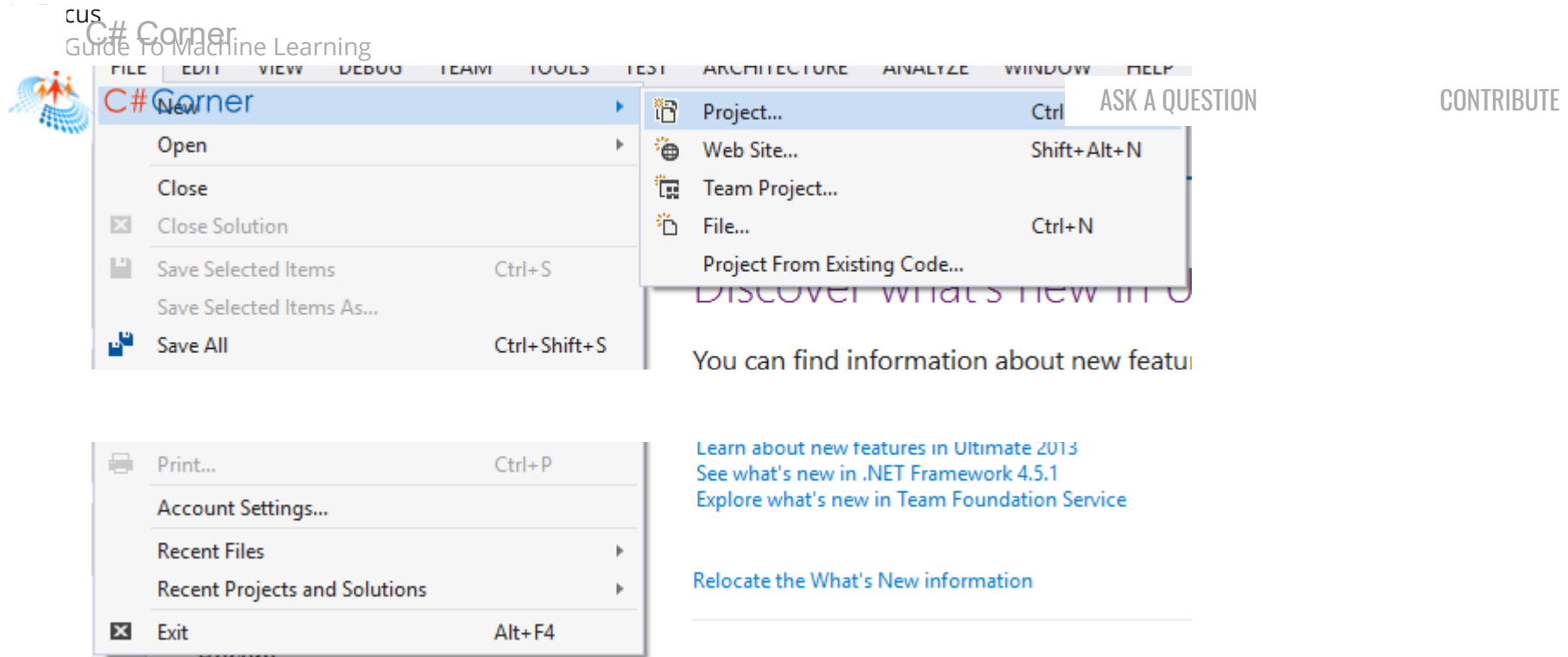
Introduction

In this article we will see how to read RSS feed using MVC.

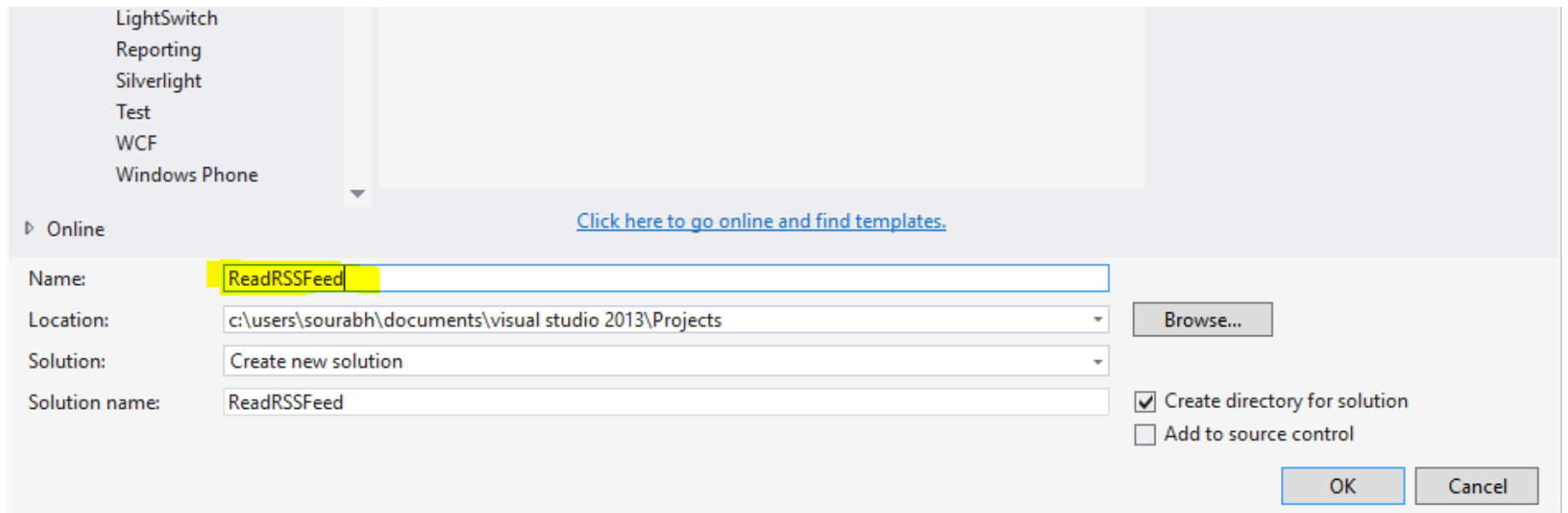
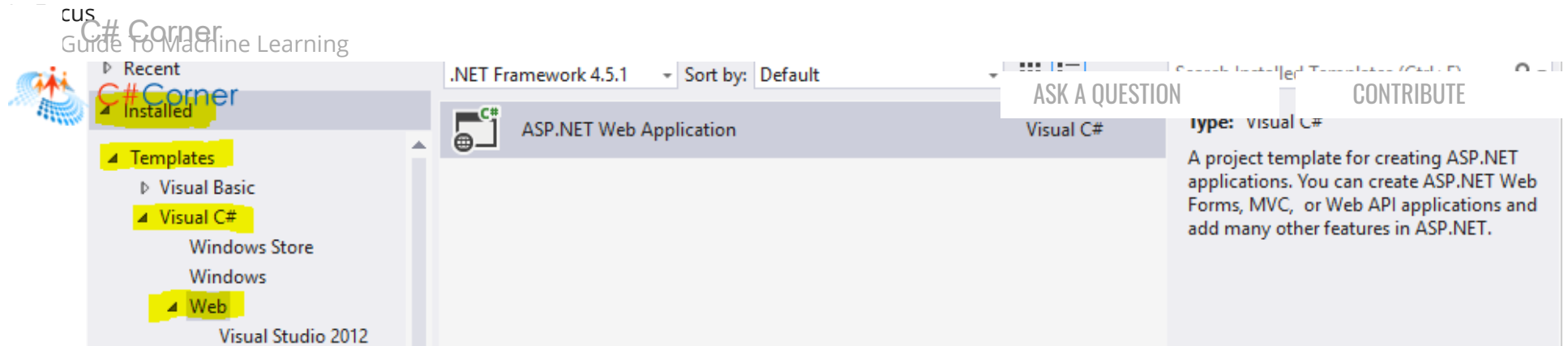
Let us start step-by -:

Step 1: Firstly, we create an MVC Application. To create new MVC Application follow the below given steps.

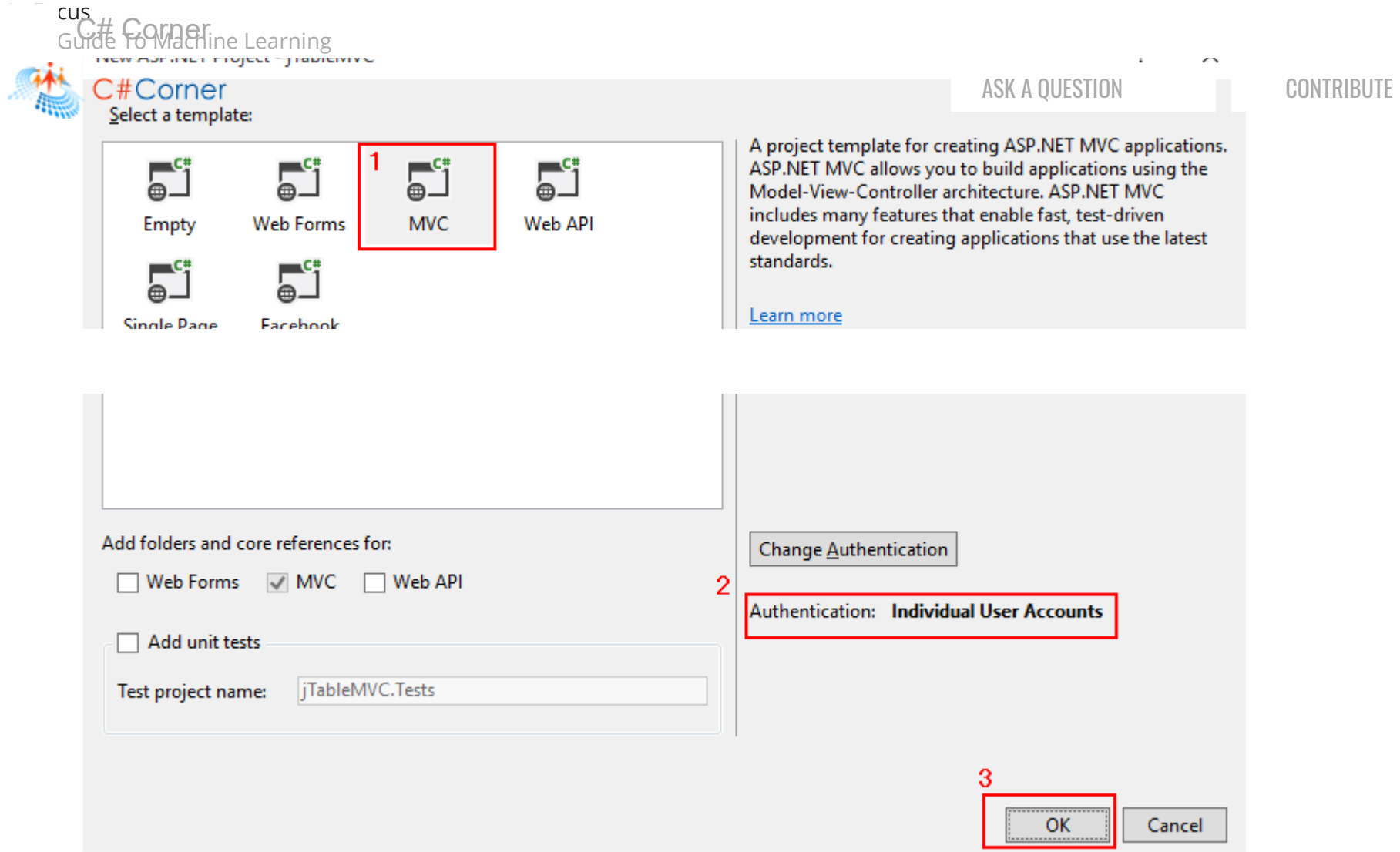
1. Click *FILE*, *New*, then *Project* or press CTRL + SHIFT + N.



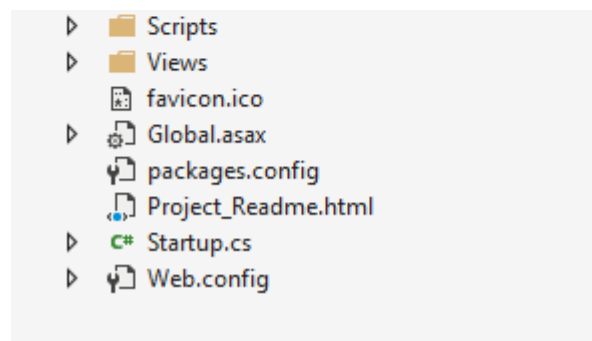
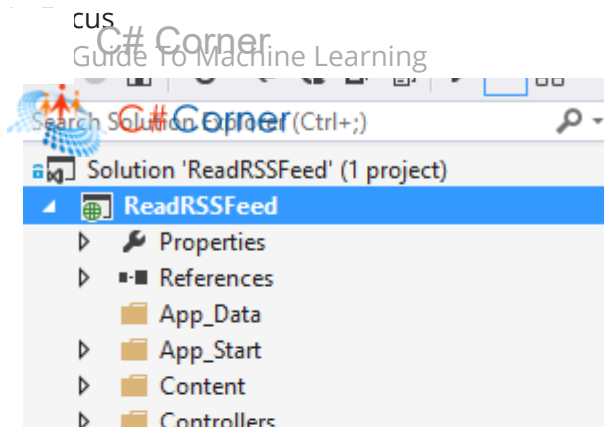
2. Then one DialogBox will open for new project, go to *Installed*, *Templates*, *Visual C#*, then *Web* and select *ASP .NET Web Application* and give name to the project (like *ReadRSSFeed*) and click on OK button.



3. After clicking on OK button one more dialog box will open from that dialog box. Select MVC as a project template, then *Authentication to Individual User Accounts* and then press OK.



Step 2: After creating project your complete project file will be as follows in the *Solution Explorer*.

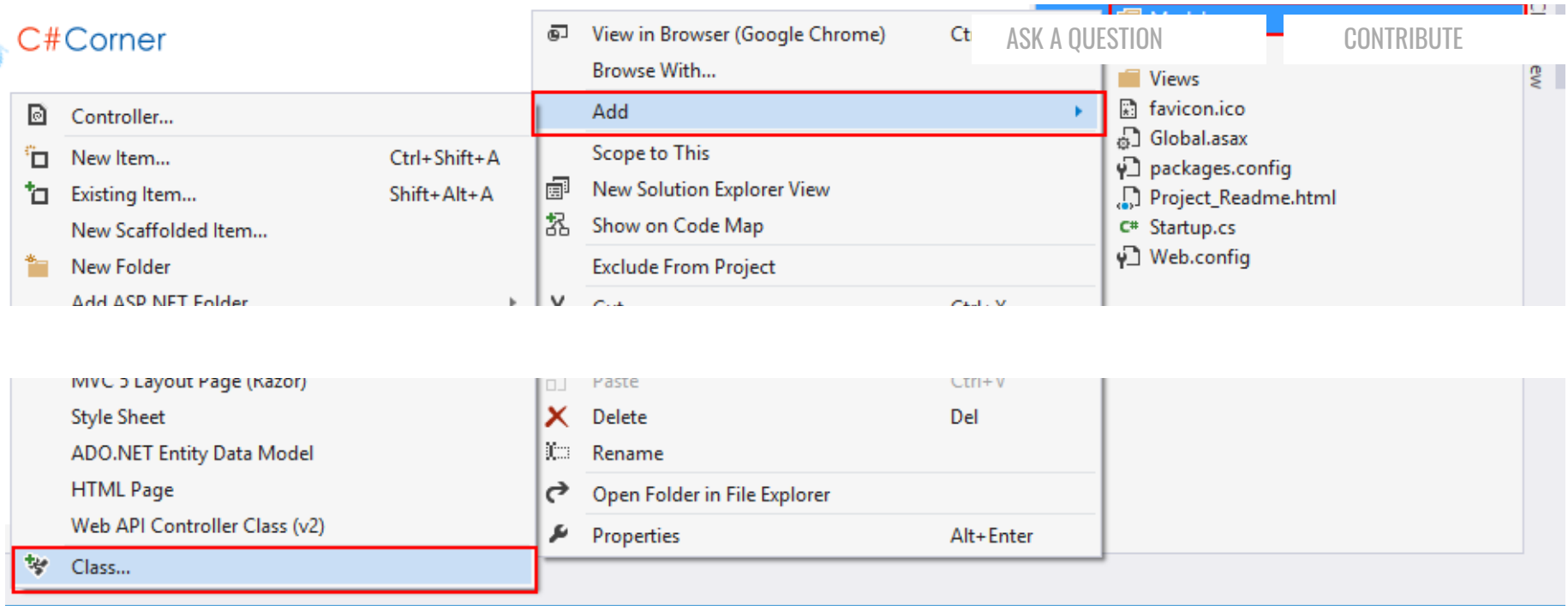


Step 3: Now add a model class using the following steps:

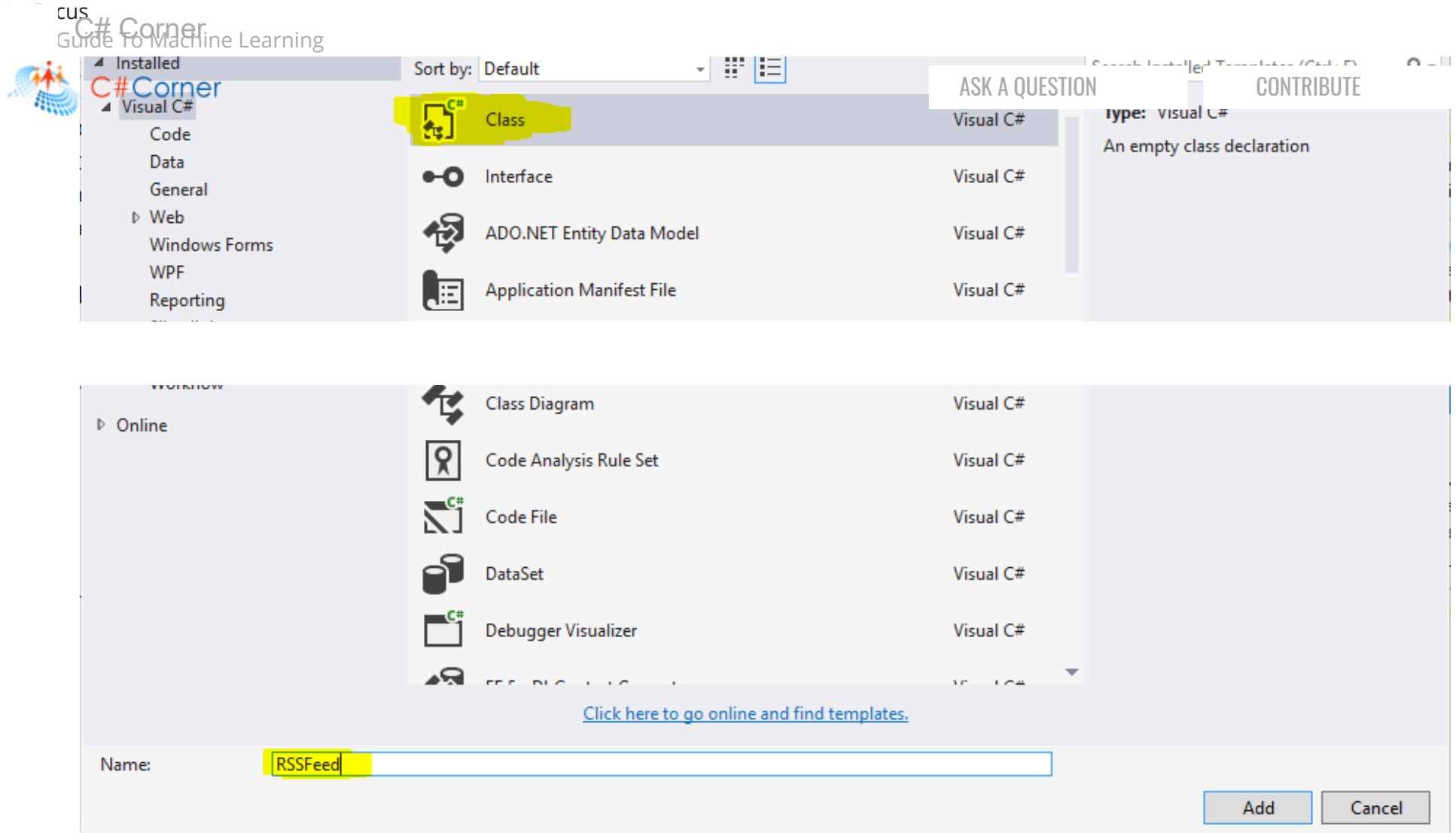
1. Right click on the *Models* Folder.

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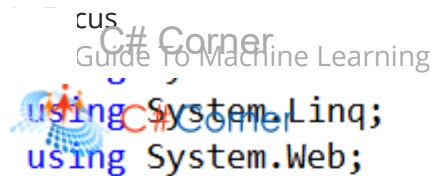
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3. Give the class name as *RSSFeed*.



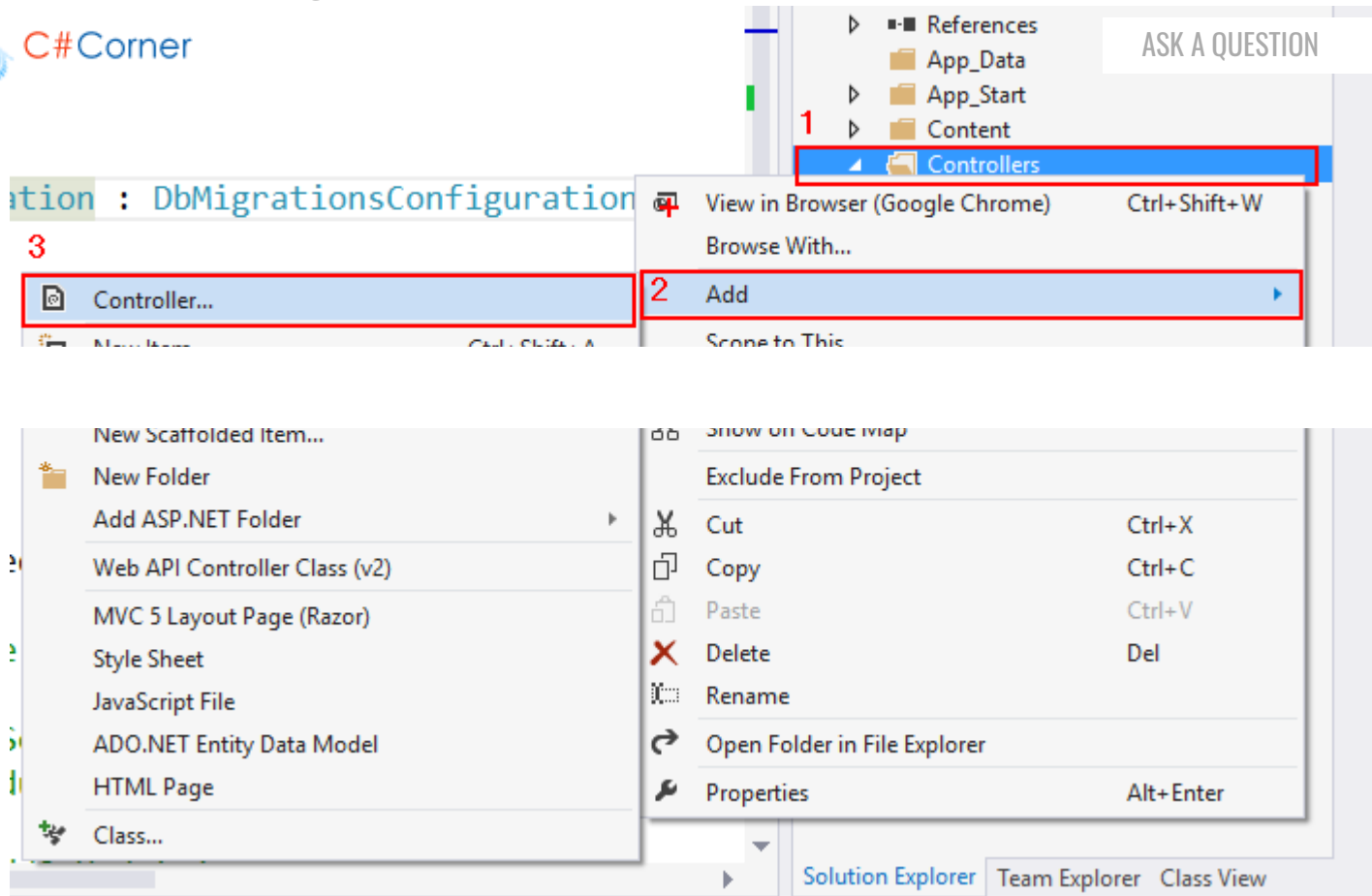
Step 4: Write the following code in *RSSFeed.cs*:

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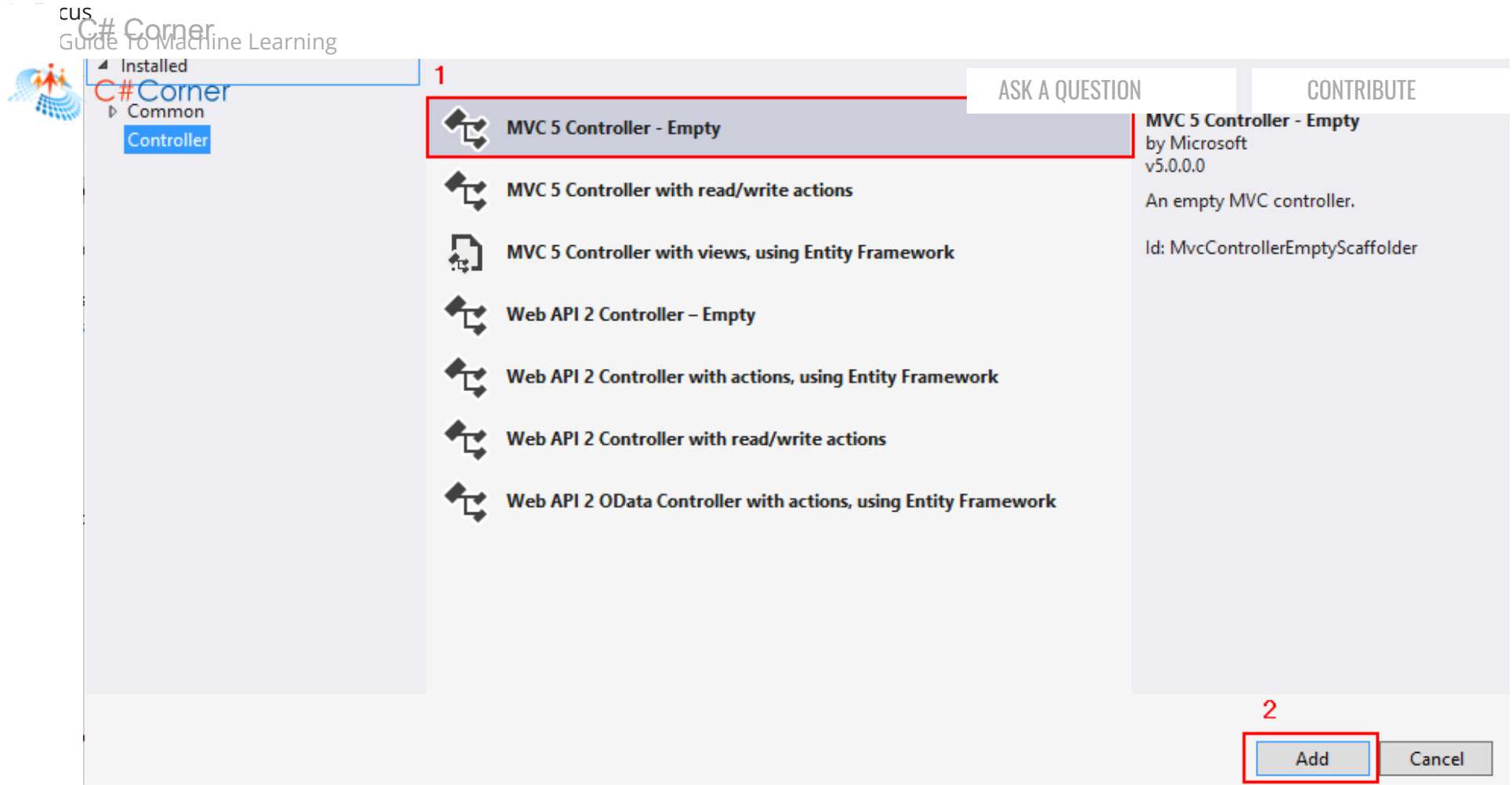
```
namespace ReadRSSFeed.Models
{
    0 references
    public class RSSFeed
    {
        0 references
        public string Link { get; set; }
        0 references
        public string Description { get; set; }
        0 references
        public string PubDate { get; set; }
    }
}
```

Step 5: Now add Empty *RSSFeedController* to your project. To Add *RSSFeedController* you can follow the below steps,

1. Right Click on *Controllers* Folder.



3. Now one dialog box will open for Add Scaffolding. Select *MVC 5 Controller - Empty*.



4. Now give the name to the Controller as *RSSFeedController*.

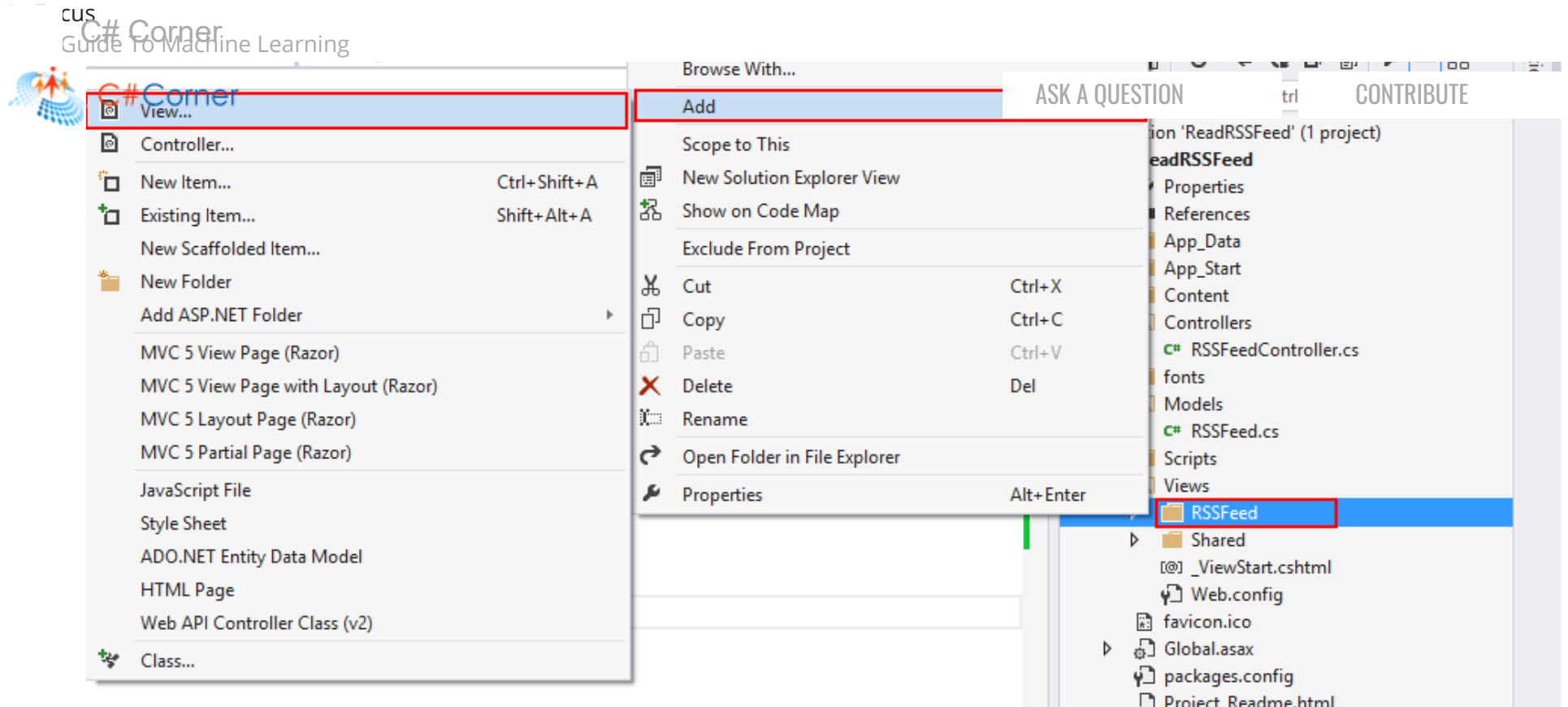
Step 6: Write the following code in *RSSFeedController*.

```
01. using ReadRSSFeed.Models;  
02. using System;  
03. using System.Collections.Generic;  
04. using System.Linq;  
05. using System.Net;  
06. using System.Web;  
07. using System.Web.Mvc;
```

```
10. namespace ReadRSSFeed.Controllers
11. {
12.     public class RSSFeedController : Controller
13.     {
14.         public ActionResult Index()
15.         {
16.             return View();
17.         }
18.         [HttpPost]
19.         public ActionResult Index(string RSSURL)
20.         {
21.             WebClient wclient = new WebClient();
22.             string RSSData=wclient.DownloadString(RSSURL);
23.
24.             XmlDocument xml = XmlDocument.Parse(RSSData);
25.             var RSSFeedData = (from x in xml.Descendants("item")
26.                                select new RSSFeed
27.                                {
28.                                    Title = ((string)x.Element("title")),
29.                                    Link = ((string)x.Element("link")),
30.                                    Description = ((string)x.Element("description")),
31.                                    PubDate = ((string)x.Element("pubDate"))
32.                                });
33.             ViewBag.RSSFeed = RSSFeedData;
34.             ViewBag.URL = RSSURL;
35.             return View();
36.         }
37.     }
38. }
```

Step 7: Now create an *index* view for RSS Feed Controller. Here are the steps:

1. Extend *View* folder open you will get *RSSFeed* Folder.
2. Right click on *RSSFeed* Folder.



3. Now give the name of the view as "**Index**" and *Select Empty Template*. Then click on *Add* Button.

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View name:

Template:

Model class:

View options:
☐ Create as a partial view
☐ Reference script libraries
☒ Use a layout page:

(Leave empty if it is set in a Razor _viewstart file)

Step 8: Write the following code to this created view:

```
01. @{  
02.     ViewBag.Title = "Index";  
03. }  
04. <br />  
05. <h2>RSS Feed Reader</h2>  
06. <hr />
```

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```
10. <input type="URL" name="RSSURL" placeholder="Enter RSS Fee
11. <br />
12. <input type="submit" class="btn btn-danger" />
13. }
14. <table class="table table-hover">
15. <thead>
16. <tr>
17. <th>Title</th>
18. <th>Link</th>
19. <th>Description</th>
20. <th>Publish Date</th>
21. </tr>
22. </thead>
23. <tbody>
24. @if (ViewBag.RSSFeed != null)
25. {
26.     foreach (var item in ViewBag.RSSFeed)
27.     {
28.         <tr>
29.             <td>@item.Title</td>
30.             <td><a href="@item.Link">@item.Link</a></td>
31.             <td>@item.Description</td>
32.             <td>@item.PubDate</td>
33.         </tr>
34.     }
35. }
36. </tbody>
37. </table>
```

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Step 9: Now run the project**Output :**



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Reading RSS Feed Home

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Register Log in

RSS Feed Reader

Title	Link	Description	Publish Date
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local host:59527/RSSFeed/Index

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Reading RSS Feed Home Register Log in

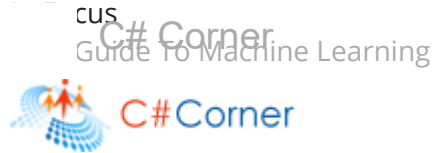
RSS Feed Reader

Submit

Title	Link	Description	Publish Date
Paging And Sorting In jTable Using MVC	http://www.c-sharpcorner.com/article/paging-and-sorting-in-jtable-using-mvc/	In this article I will explain you paging and sorting in jTable using MVC	4/9/2016 12:00:00 AM
Select Multiple Rows From jTable And Delete using ASP.NET MVC	http://www.c-sharpcorner.com/article/select-multiple-rows-from-jtable-and-delete-using-Asp-Net-mvc/	In this article I will explain you how to select multiple rows and delete from jTable using ASP.NET MVC	4/9/2016 12:00:00 AM
CRUD Operation In jTable Using MVC	http://www.c-sharpcorner.com/article/crud-operation-in-jtable-using-mvc/	In this article I will explain you how to perform CRUD operation in jTable using MVC.	4/9/2016 12:00:00 AM
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Sourabh Somani, the 3 times Microsoft MVP and 6-times C# Corner MVP, is a tech lead, contributor, International Speaker, Author, and the founder of www.PythonBabu.com. After possessing a B-Tech degree in Computer Science... [Read more](#)

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14

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Type your comment here and press Enter Key (Minimum 10 characters)



I followed the instructions and runned the same link bt i got this error: System.Xml.XmlException: 'Reference to undeclared entity 'nbsp'. Line 17, position 1635.'

Karen Hyunjae

1766 4 0

0

1

Jan 09 2019



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Getting this error in browser: The 'p' start tag on line 97 position 142 does not match the end tag of 'div'. Line 97, position 336.

[Bill Spang](#)

1735 35 0

May 17, 2018

0 0 Reply



Thanks for the tutorial. It was the first I could find on doing this in the latest version of MVC! To any other readers, if your description comes back as HTML, you must wrap the Razor HTMLString function around the @item.description in the view. Here is what my code looked like after I did that: `<tr> @*<td>@item.Image</td>*@ <td>@(new HtmlString(@item.Title))</td> <td>@item.Link</td> <td>@(new HtmlString(@item.Description))</td> <td>@item.PubDate</td> </tr>`

[Caleb Miller](#)

1767 3 0

May 16, 2018

0 0 Reply



Hi there, great job! What if you wanted to display an RSS link (i.e. <https://www.somesite.com/rss>) automatically in the table, rather than having users submit an RSS link? What exactly would change in the above code?

[Bellezze Apps](#)

1766 4 0

Jan 29, 2017

0 0 Reply



string RSSDATA = webclient.DownloadString(RSSURL); at this line im getting the error. the browser sends request but not getting output .is there any other configuration to be done?

[Vinayak Bhargale](#)

1627 143 61.7k

Jun 16, 2016

1 1 Reply



I'm getting this error too only after publishing to server, it works fine on localhost, browser and postman. Have you been able to solve it?

[Israel Eruoghene](#)

1767 3 0

Oct 28, 2018

0



tried but get error Unable to connect to the remote server.

[Vinayak Bhargale](#)

1627 143 61.7k

Jun 16, 2016

0 1 Reply

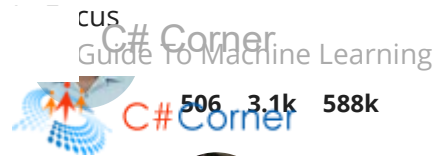


I am not getting where are you getting this problem

[Sourabh Somani](#)

14 45.4k 5.7m

Jun 16



506 3.1k 588k



:)

[Sourabh Somani](#)

14 45.4k 5.7m

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Nice Sharing

[Kuppurasu Nagaraj](#)

70 21.3k 469.1k

Apr 11, 2016

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1 Reply



Thanks :)

[Sourabh Somani](#)

14 45.4k 5.7m

Apr 11, 2016

0



Nice Share:)

[Gowtham K](#)

79 20.2k 2.8m

Apr 11, 2016

0

1 Reply



Thanks :)

[Sourabh Somani](#)

14 45.4k 5.7m

Apr 11, 2016

0



Good one. Thanks for sharing.

[Nitin](#)

293 6.1k 1.4m

Apr 11, 2016

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1 Reply



Thank you

[Sourabh Somani](#)


14 45.4k 5.7m

Apr 11, 2016

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