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ASP CLUB



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COVERED TOPICS

- Set up
- Adding Models
- Adding Controller
- Adding View
- Adding Database
- HTTP GET Index
- HTTP Post Create Member
- HTTP Post Edit Member



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SET UP



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

ASP CLUB

- Choose the model-view-controller

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Create a new project

Recent project templates

-  Windows Forms App C#
-  ASP.NET Core Web App C#
-  ASP.NET Core Web App (Model-View-Controller) C#
-  Console App C#
-  Console App C++
-  Windows Forms App Visual Basic
-  CMake Project C++
-  Windows Desktop Application C++
-  Console App Visual Basic

Mo

[Clear all](#)

C#

All platforms

Web



ASP.NET Core Web App (Model-View-Controller)

A project template for creating an ASP.NET Core application with example ASP.NET Core MVC Views and Controllers. This template can also be used for RESTful HTTP services.

C# Linux macOS Windows Cloud Service Web

Other results based on your search



ASP.NET Core Web App (Model-View-Controller)

A project template for creating an ASP.NET Core application with example ASP.NET Core MVC Views and Controllers. This template can also be used for RESTful HTTP services.

F# Linux macOS Windows Cloud Service Web



CMake Project

Build modern, cross-platform C++ apps that don't depend on .sln or .vcxproj files.

C++ Windows Linux Console



Dynamic Shared Library (Android)

A project for creating a dynamic shared library for the Android Platform.

C++ Android Library Mobile

[Back](#)

[Next](#)



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- Call it Club

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Configure your new project

ASP.NET Core Web App (Model-View-Controller)

C#

Linux

macOS

Windows

Cloud

Service

Web

Project name

Club

Location

C:\repos\Teaching\C#\PBLMT2023

Solution name ⓘ

Club

☐ Place solution and project in the same directory

Back

Next



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ASP CLUB

- Keep all Default settings

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Additional information

ASP.NET Core Web App (Model-View-Controller)

C#

Linux

macOS

Windows

Cloud

Service

Web

Framework ⓘ

.NET 6.0 (Long Term Support)

Authentication type ⓘ

None

☒ Configure for HTTPS ⓘ

☐ Enable Docker ⓘ

Docker OS ⓘ

Linux

☐ Do not use top-level statements ⓘ

Back

Create



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Service

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Framework ⓘ

.NET 6.0 (Long Term Support)

Authentication type ⓘ

None

☒ Configure for HTTPS ⓘ

☐ Enable Docker ⓘ

Docker OS ⓘ

Linux

☐ Do not use top-level statements ⓘ

Back

Create



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ADDING A MODEL



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ASP CLUB

- Make a Class in the Models folder called ClubMembers and add the properties

The screenshot shows the Visual Studio IDE with the following components:

- File Explorer:** Shows the project structure with 'ClubPro' as the solution and 'ClubPro' as the project. The 'Models' folder is expanded, showing 'ClubMembers.cs' and 'ErrorViewModel.cs'.
- Code Editor:** Displays the code for 'ClubMembers.cs'. The code is as follows:

```
1 namespace ClubPro.Models
2 {
3     0 references
4     public class ClubMembers
5     {
6         0 references
7         public int MemberID { get; set; }
8         0 references
9         public string? FirstName { get; set; }
10        0 references
11        public string? LastName { get; set; }
12        0 references
13        public string? DOB { get; set; }
14        0 references
15        public string? Level { get; set; }
16    }
17 }
```
- Solution Explorer:** Shows the project structure with 'ClubPro' as the solution and 'ClubPro' as the project. The 'Models' folder is expanded, showing 'ClubMembers.cs' and 'ErrorViewModel.cs'.
- Git Changes:** Shows the 'Git Changes' tab at the bottom right.



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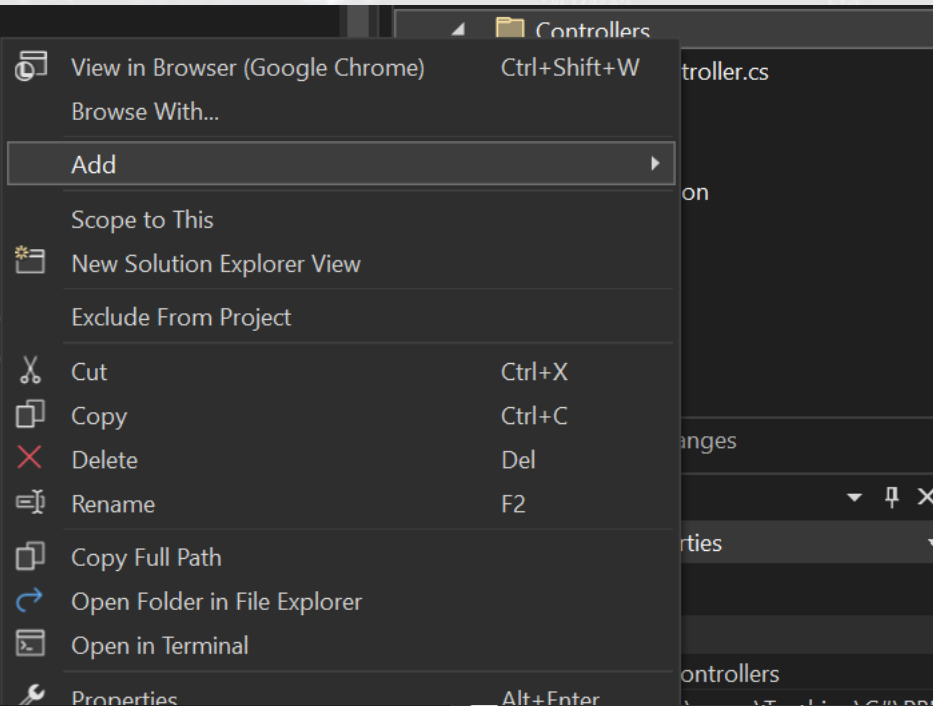
ADDING A CONTROLLER



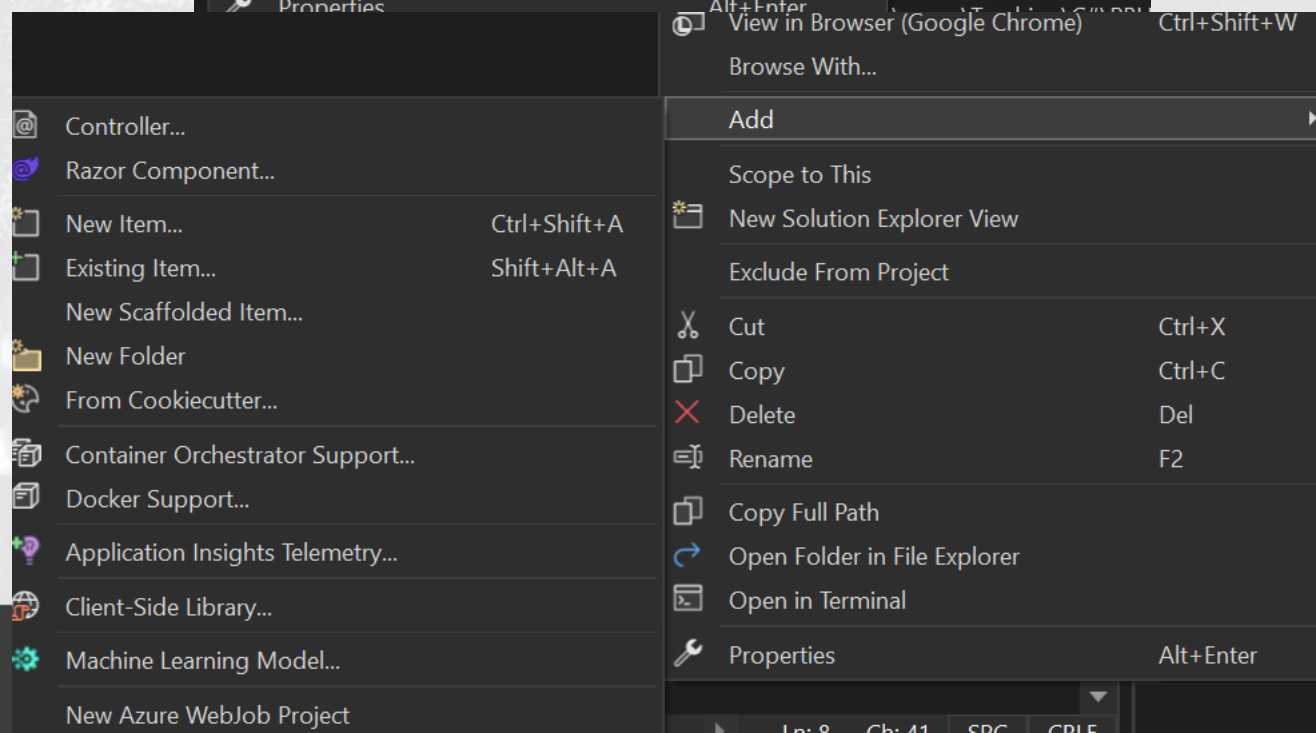
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ASP CLUB

- Right Click on controllers folder, add, Controller...



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ASP CLUB

- Choose MVC
Controller -
Empty

Add New Scaffolded Item

Installed

Common

API

MVC

Controller

View

Razor Component

Razor Pages

Identity

Layout



MVC Controller - Empty



MVC Controller with read/write actions



MVC Controller with views, using Entity Framework

MVC Controller - Empty

by Microsoft
v1.0.0.0

An empty MVC controller.

Id: MvcControllerEmptyScaffolder

Add

Cancel

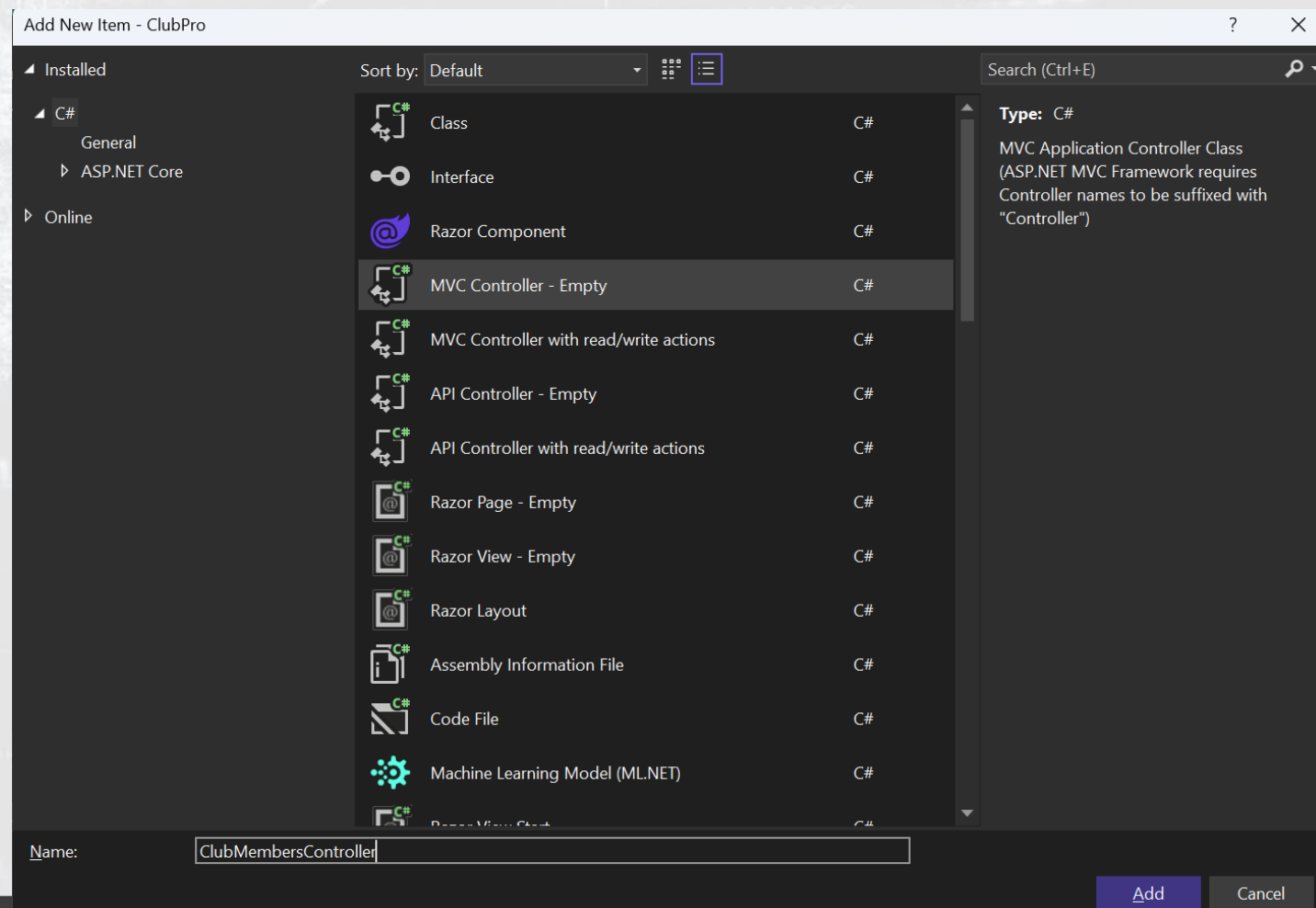


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ASP CLUB

- Change the name to ClubMembersController





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ASP CLUB

Visual Studio 2019 interface showing the ClubPro project. The code editor displays the ClubMembersController.cs file with the following code:

```
1 using Microsoft.AspNetCore.Mvc;
2
3 namespace ClubPro.Controllers
4 {
5     0 references
6     public class ClubMembersController : Controller
7     {
8         0 references
9         public IActionResult Index()
10        {
11            return View();
12        }
13    }
```

The Solution Explorer on the right shows the project structure:

- Solution 'ClubPro' (1 of 1 project)
 - ClubPro
 - Connected Services
 - Dependencies
 - Properties
 - wwwroot
 - Controllers
 - C# ClubMembersController.cs
 - C# HomeController.cs
 - Models
 - Views
 - appsettings.json
 - C# Program.cs

The Output window at the bottom shows 'Service Dependencies'.



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ADDING VIEWS



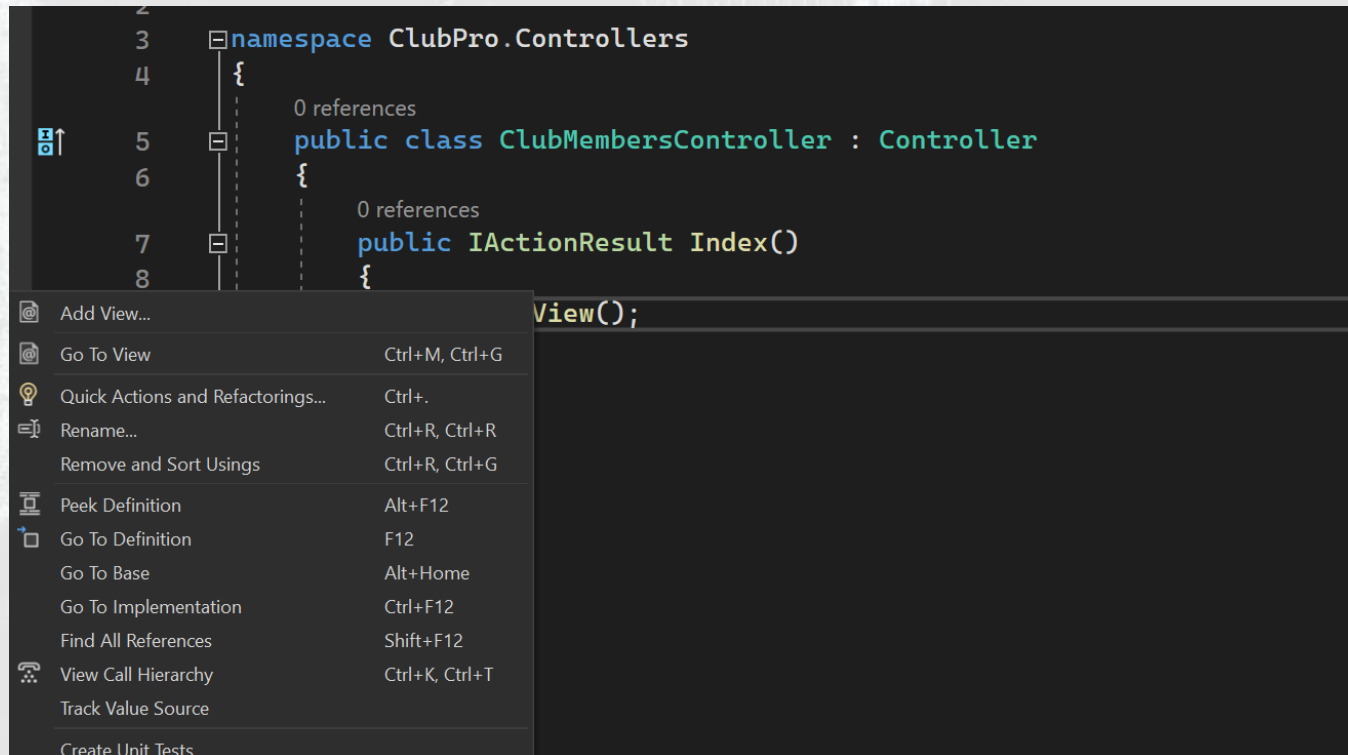
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ASP CLUB

- Right Click on the Index()
- Select Add View...

```
2 namespace ClubPro.Controllers
3 {
4     0 references
5     public class ClubMembersController : Controller
6     {
7         0 references
8         public IActionResult Index()
9         {
10             View();
11         }
12 }
```



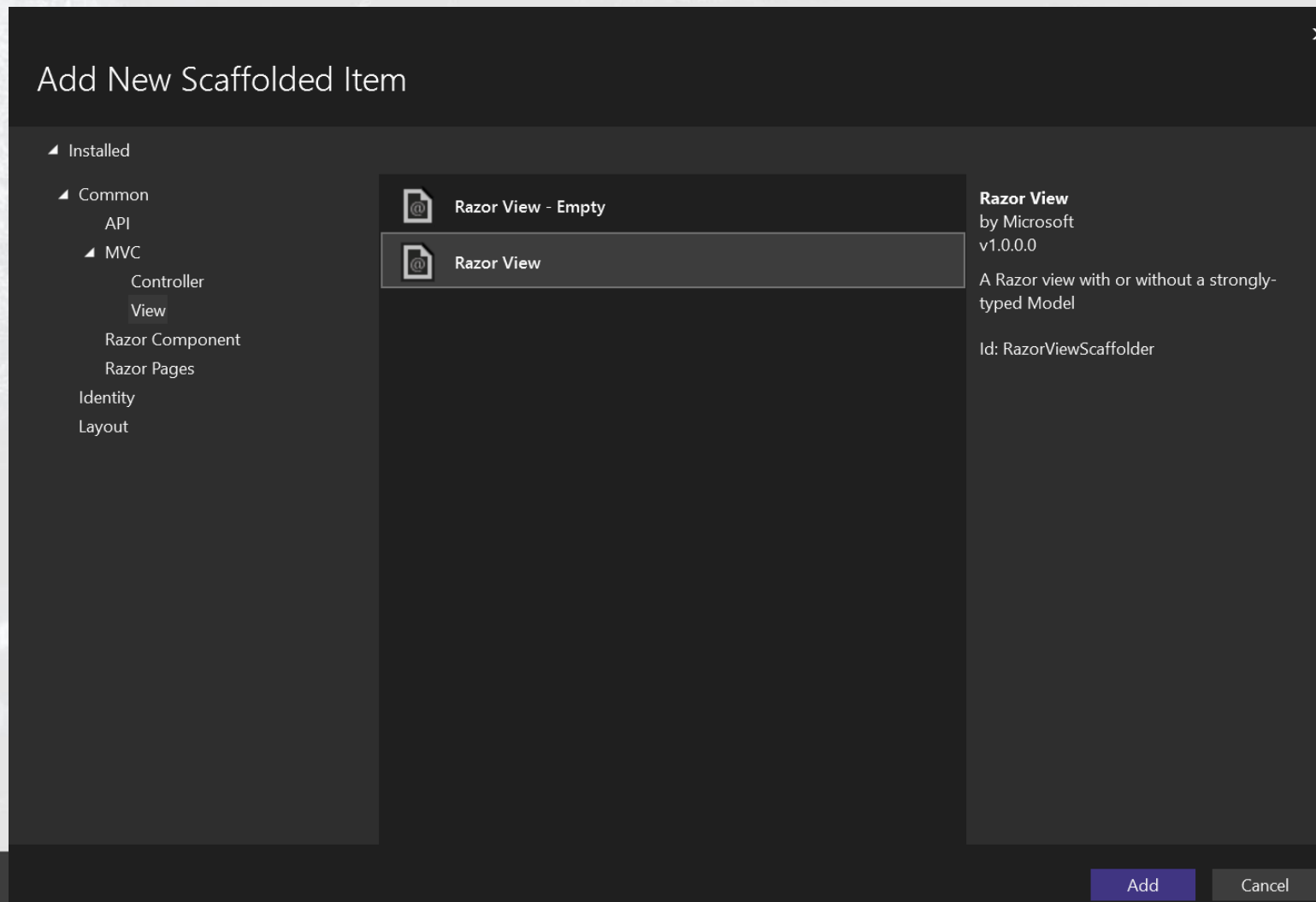


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ASP CLUB

- Choose option two:
- Razor View





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ASP CLUB

- Fill in the same as in the image
- Press Add
- A new Index view will be added into the view folder

×

Add Razor View

View name

Index

Template

List

Model class

ClubMembers (ClubPro.Models)

Options

☐ Create as a partial view

☒ Reference script libraries

☒ Use a layout page

...

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

Add

Cancel



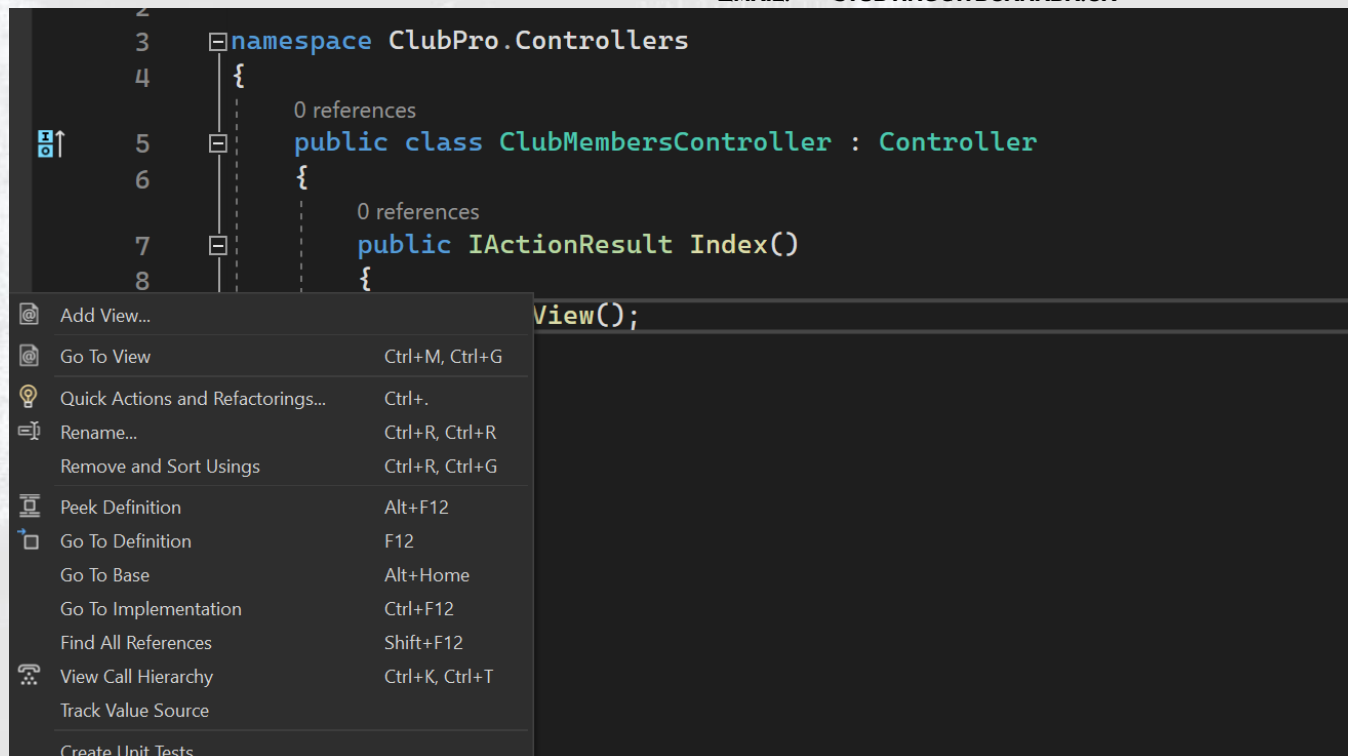
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ASP CLUB

- Right Click on the Index()
- Select Add View...

```
2 namespace ClubPro.Controllers
3 {
4     0 references
5     public class ClubMembersController : Controller
6     {
7         0 references
8         public IActionResult Index()
9         {
10             View();
11         }
12 }
```



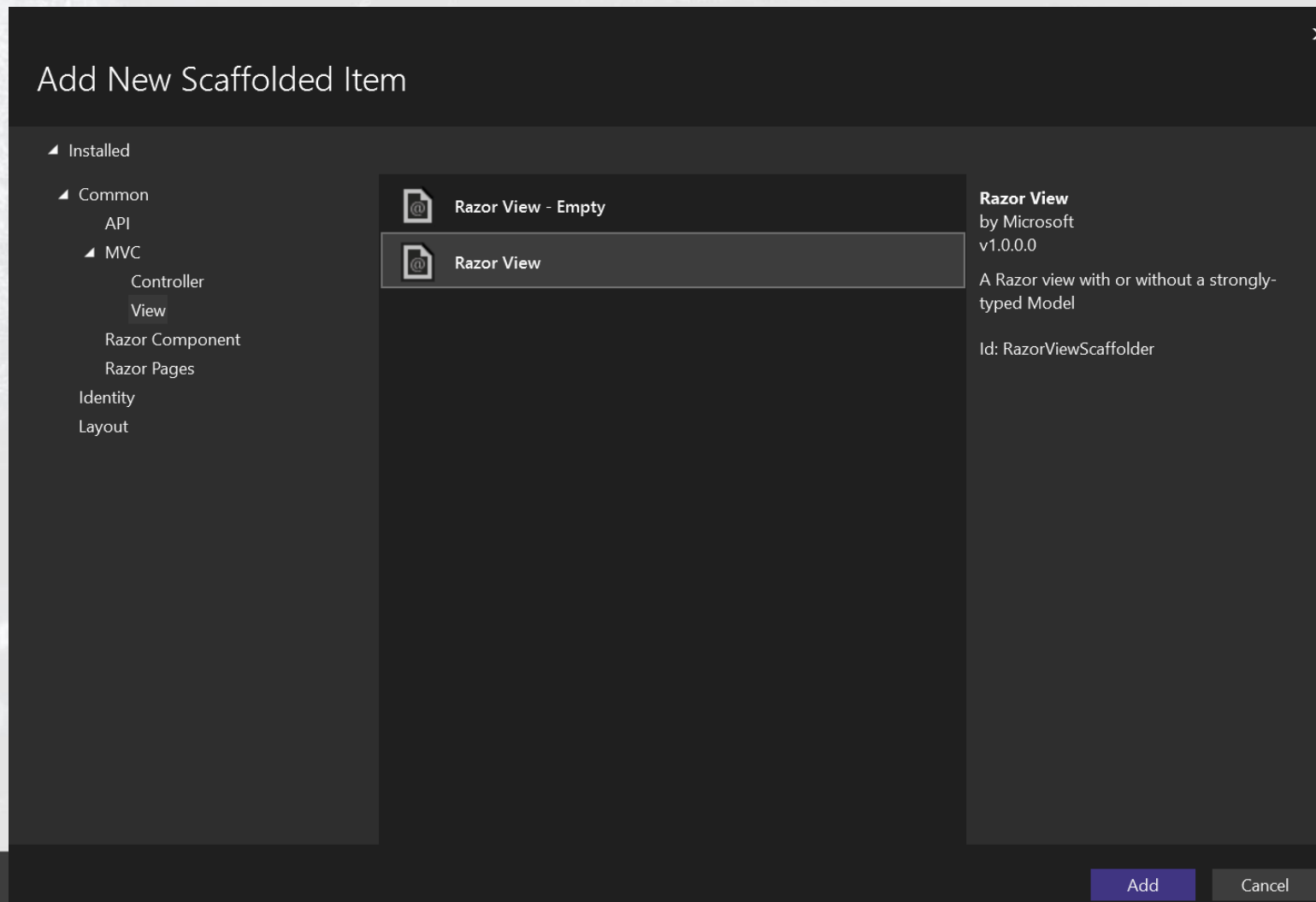


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ASP CLUB

- Choose option two:
- Razor View





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ASP CLUB

- Fill in the same as in the image
- Press Add
- A new Edit view will be added into the view folder

×

Add Razor View

View name

Edit

Template

Edit

Model class

ClubMembers (ClubPro.Models)

Options

☐ Create as a partial view

☒ Reference script libraries

☒ Use a layout page

...

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

Add

Cancel



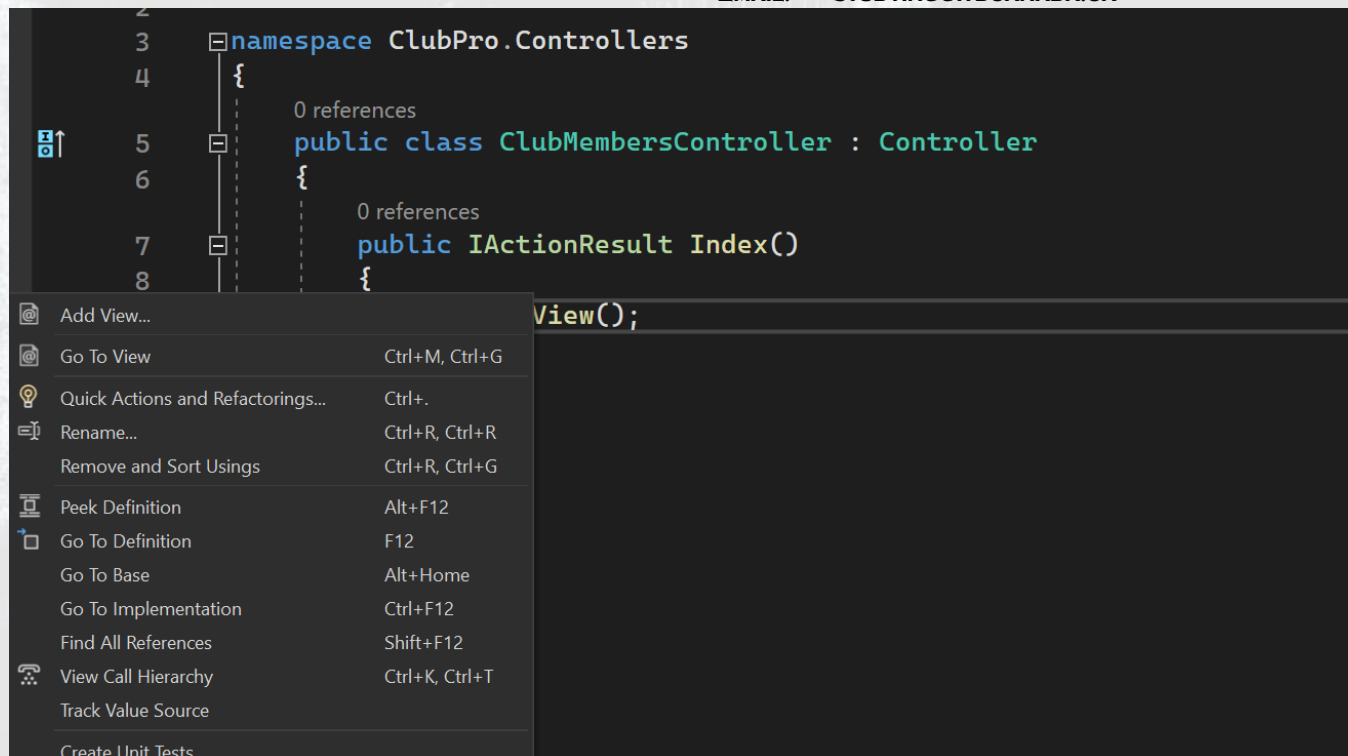
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ASP CLUB

- Right Click on the Index()
- Select Add View...

```
2 namespace ClubPro.Controllers
3 {
4     0 references
5     public class ClubMembersController : Controller
6     {
7         0 references
8         public IActionResult Index()
9         {
10             View();
11         }
12 }
```



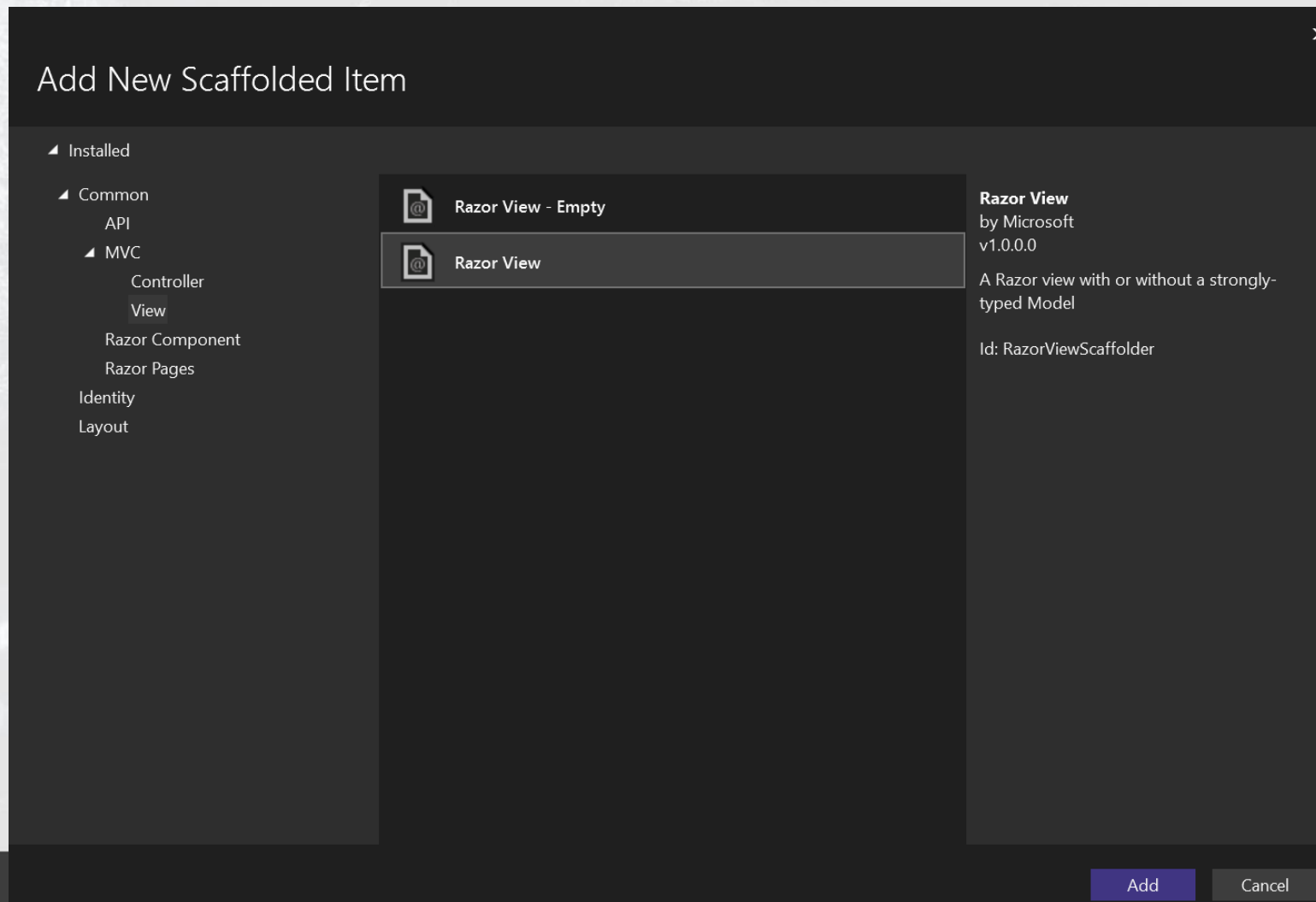


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ASP CLUB

- Choose option two:
- Razor View





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ASP CLUB

- Fill in the same as in the image
- Press Add
- A new Create view will be added into the view folder

×

Add Razor View

View name

Create

Template

Create

Model class

ClubMembers (ClubPro.Models)

Options

☐ Create as a partial view

☒ Reference script libraries

☒ Use a layout page

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

Add

Cancel



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ASP CLUB

- Right Click on the Index()
- Select Add View...

```
2
3 namespace ClubPro.Controllers
4 {
5     0 references
6     public class ClubMembersController : Controller
7     {
8         0 references
9         public IActionResult Index()
10        {
11            View();
12        }
13    }
14 }
```

- Add View...
- Go To View Ctrl+M, Ctrl+G
- Quick Actions and Refactorings... Ctrl+.
- Rename... Ctrl+R, Ctrl+R
- Remove and Sort Usings Ctrl+R, Ctrl+G
- Peek Definition Alt+F12
- Go To Definition F12
- Go To Base Alt+Home
- Go To Implementation Ctrl+F12
- Find All References Shift+F12
- View Call Hierarchy Ctrl+K, Ctrl+T
- Track Value Source
- Create Unit Tests



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ASP CLUB

- Choose option two:
- Razor View

Add New Scaffolded Item

▲ Installed

▲ Common

API

▲ MVC

Controller

View

Razor Component

Razor Pages

Identity

Layout

Razor View - Empty

Razor View

Razor View
by Microsoft
v1.0.0.0
A Razor view with or without a strongly-typed Model

Id: RazorViewScaffolder

Add

Cancel



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ASP CLUB

- Fill in the same as in the image
- Press Add
- A new Details view will be added into the view folder

×

Add Razor View

View name

Details

Template

Details

Model class

ClubMembers (ClubPro.Models)

Options

☐

Create as a partial view

☒

Reference script libraries

☒

Use a layout page

...

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

Add

Cancel



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ASP CLUB

- Right Click on the Index()
- Select Add View...

```
2
3 namespace ClubPro.Controllers
4 {
5     0 references
6     public class ClubMembersController : Controller
7     {
8         0 references
9         public IActionResult Index()
10        {
11            View();
12        }
13    }
14 }
```

- Add View...
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ASP CLUB

- Choose option two:
- Razor View

Add New Scaffolded Item

▲ Installed

▲ Common

API

▲ MVC

Controller

View

Razor Component

Razor Pages

Identity

Layout

Razor View - Empty

Razor View

Razor View
by Microsoft
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Id: RazorViewScaffolder

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Cancel



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ASP CLUB

- Fill in the same as in the image
- Press Add
- A new Delete view will be added into the view folder

×

Add Razor View

View name

Delete

Template

Delete

Model class

ClubMembers (ClubPro.Models)

Options

☐ Create as a partial view

☒ Reference script libraries

☒ Use a layout page

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

Add

Cancel



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CHANGING THE CONTROLLER INDEX



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ASP CLUB

- In Program.cs
- On line 25 change “Home” to the name of your controller, but remove the word controller
- ClubMembersController
- ClubMembers

```
16 app.UseHttpsRedirection();
17 app.UseStaticFiles();
18
19 app.UseRouting();
20
21 app.UseAuthorization();
22
23 app.MapControllerRoute(
24     name: "default",
25     pattern: "{controller=Home}/{action=Index}/{id?}");
26
27 app.Run();
```

```
17 app.UseStaticFiles();
18
19 app.UseRouting();
20
21 app.UseAuthorization();
22
23 app.MapControllerRoute(
24     name: "default",
25     pattern: "{controller=ClubMembers}/{action=Index}/{id?}");
26
27 app.Run();
28
```



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ADDING THE DATABASE

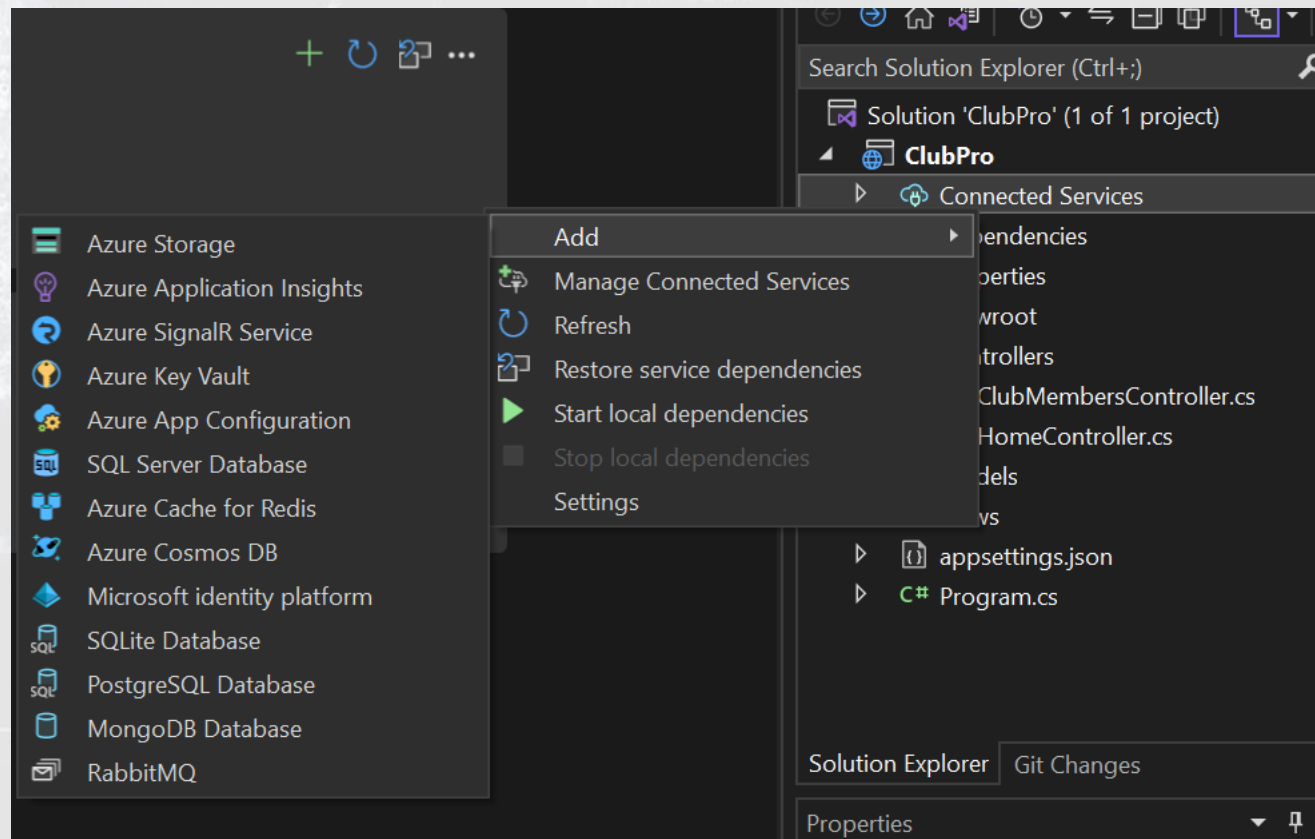


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ASP CLUB

- Right click on Connected Services
- Add
- SQL Server Database





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ASP CLUB

- Choose SQL Server Express LocalDB (Local)

Connect to dependency

Select a service dependency to add to your application.



SQL Server Express LocalDB (Local)

Local database service that provides the broadest SQL Server engine compatibility.



SQL Server Database on container (Local)

Database service hosted on a container that provides the broadest SQL Server engine compatibility.



SQL Server Database

On-premise SQL Server Database



Azure SQL Database

Intelligent, scalable, cloud database service that provides the broadest SQL Server engine compatibility.

Back

Next

Finish

Cancel



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ASP CLUB

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Connect to SQL Server Express LocalDB (Local)

Provide connection string and specify how to save it

Connection string name

ConnectionStrings

Connection string value

Server=(localdb)\mssqllocaldb;Database=aspnet-53bc9b9d-9d6a-45d4-8429-2a2761773502;Trusted_Connection=True;MultipleActive...

Save connection string value in [Learn more](#)

- ☒ Local user secrets file: **Secrets.json (Local)**
- ☐ Azure Key Vault
- ☐ None

Back

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ASP CLUB

- Finish


Summary of changes

Project changes for dependencies being added or configured:

 SQL Server Express LocalDB (Local)

☒  NuGet packages

NuGet packages will be modified to ensure optimal operation of the new dependency

☒  Secrets store

Application secrets used by the new dependency will be stored in the selected secrets store

Back

Next

Finish

Cancel

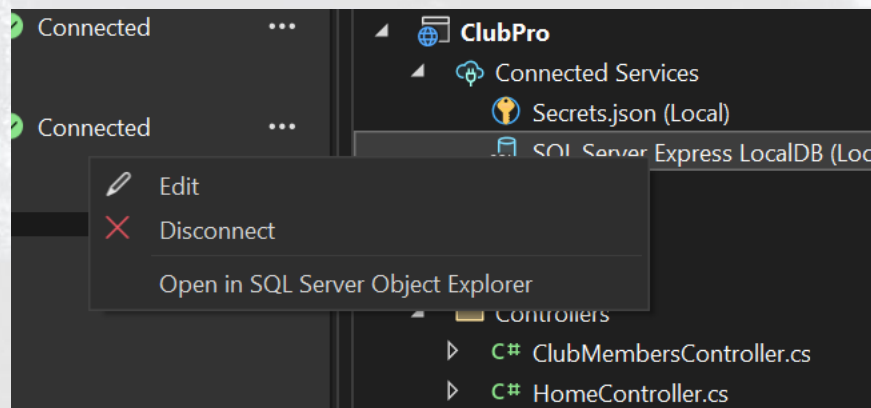


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ASP CLUB

- Right click on SQL Server Express LocalDB
- Open in SQL Server Object Explorer





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ASP CLUB

Create Database ? X

Database Name: ClubMembers

Database Location: C:\Users\Mayas\AppData\Local\Microsoft\Microsoft SQL Server Local DB\Instances\MSSQLLocalDB ...

OK Cancel

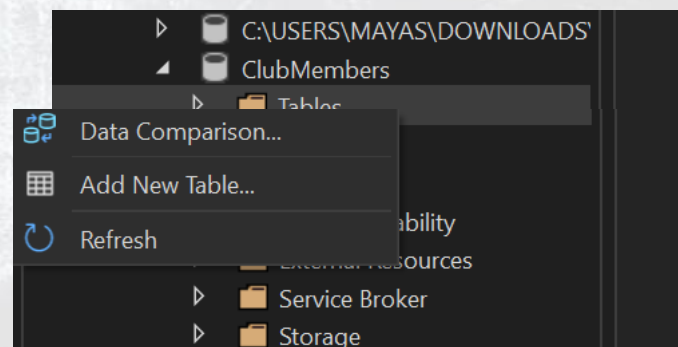


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ASP CLUB

- Right click on Tables
- Add New Tables...





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ASP CLUB

- Create the table

Update Script File: dbo.Table.sql*

Name	Data Type	Allow Nulls	Default
ID	int	<input type="checkbox"/>	
FirstName	varchar(50)	<input checked="" type="checkbox"/>	
LastName	varchar(50)	<input checked="" type="checkbox"/>	
Rank	varchar(50)	<input checked="" type="checkbox"/>	
DOB	varchar(50)	<input checked="" type="checkbox"/>	
		<input type="checkbox"/>	

Keys (1)
<unnamed> (Primary Key, Clustered: ID)

Check Constraints (0)

Indexes (0)

Foreign Keys (0)

Triggers (0)

Design T-SQL

```
1 CREATE TABLE [dbo].[ClubMembers] (  
2     [ID] INT IDENTITY (1,1) NOT NULL,  
3     [FirstName] VARCHAR (50) NULL,  
4     [LastName] VARCHAR (50) NULL,  
5     [Rank] VARCHAR (50) NULL,  
6     [DOB] VARCHAR (50) NULL,  
7     PRIMARY KEY CLUSTERED ([ID] ASC)
```



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GET THE CONNECTION STRING

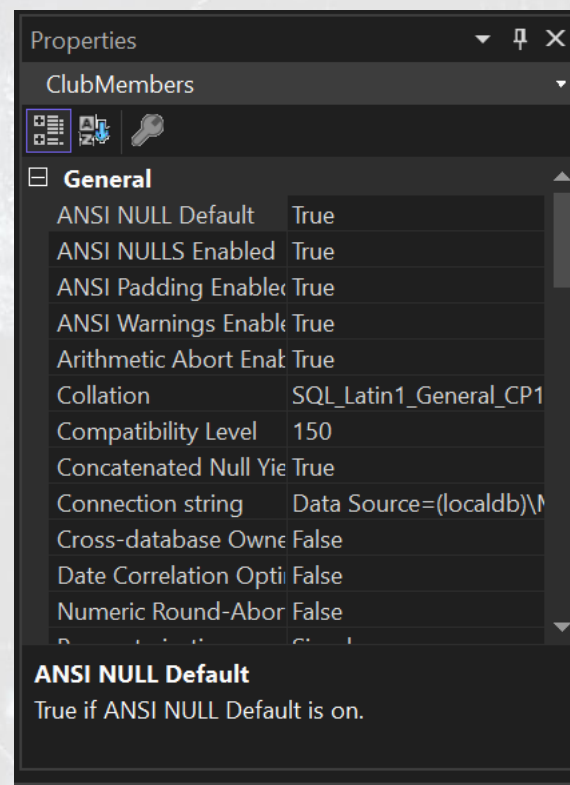


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ASP CLUB

- Get the ClubMembrs DB connection string





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GETTING THE INFORMATION AND ADDING IT TO THE VIEW



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ASP CLUB

- Read this whole section before you take action



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ASP CLUB

- Make the index return the list from GetInfoFromDB Function

0 references

```
public IActionResult Index()  
{  
    return View(GetInfoFromDB());  
}
```



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ASP CLUB

```
public List<ClubMembers> GetInfoFromDB()
```

```
{
```

- /*1. Create an empty list called "listObject" to hold the results of the database query.
- 2. Define a connection string to connect to the database. This includes the name of the database, the server name, and security credentials to access the database.
- 3. Open a connection to the database using the connection string.
- 4. Create a command object called "cmd" that will be used to execute the SQL query against the database.
- 5. Set the command object's connection property to the open connection to the database.
- 6. Execute the SQL query using the command object, and retrieve the results as a data reader object called "sdr".
- 7. Loop through each row in the data reader object using a while loop.
- 8. For each row, create a new instance of the "ClubMembers" class, and assign the values of the row's fields to the properties of the "ClubMembers" object.
- 9. Add the "ClubMembers" object to the list "listObject".
- 10. Close the data reader object, the command object, and the database connection.
- 11. Return the list "listObject" containing the data retrieved from the database. */

```
}
```


ASP CLUB

- This code defines two methods in a controller class, one called "Index" and another called "GetInfoFromDB".
- The "Index" method returns a view that displays information retrieved from a database by calling the "GetInfoFromDB" method.
- The "GetInfoFromDB" method retrieves information about club members from a database and returns it as a list of objects of type "ClubMembers". Here's a step-by-step breakdown of what the "GetInfoFromDB" method does:

ASP CLUB

1. Create an empty list called "listObject" to hold the results of the database query.
2. Define a connection string to connect to the database. This includes the name of the database, the server name, and security credentials to access the database.
3. Open a connection to the database using the connection string.
4. Create a command object called "cmd" that will be used to execute the SQL query against the database.
5. Set the command object's connection property to the open connection to the database.
6. Execute the SQL query using the command object, and retrieve the results as a data reader object called "sdr".
7. Loop through each row in the data reader object using a while loop.
8. For each row, create a new instance of the "ClubMembers" class, and assign the values of the row's fields to the properties of the "ClubMembers" object.
9. Add the "ClubMembers" object to the list "listObject".
10. Close the data reader object, the command object, and the database connection.
11. Return the list "listObject" containing the data retrieved from the database.

ASP CLUB

- Overall, the "GetInfoFromDB" method is designed to retrieve information about club members from a database and return it as a list of objects of type "ClubMembers". This list can then be used to populate a data grid or perform other operations on the data. The "Index" method uses this list to display information about club members in our web page.
- Once you have finished writing the code, please run the program. The program will then take you to the "Index" view for the "ClubMember". If there is data in the database, it will be displayed in a table format. However, if there is no data in the database, you will not see any information displayed on the page.



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ASP CLUB

[ClubPro](#) [Home](#) [Privacy](#)

Index

[Create New](#)

MemberID	FirstName	LastName	DOB	Level
----------	-----------	----------	-----	-------



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ASP CLUB

1. Begin by creating a new method called "Create" with an HTTP GET attribute. This method will be used to display a view to the user.
2. Inside the "Create" method, return a "View" object that displays an empty form for creating a new club member.
3. Create a new method called "Create" with an HTTP POST attribute. This method will be used to handle the form submission.
4. Define a connection string to connect to the database. This includes the name of the database, the server name, and security credentials to access the database.
5. Define an SQL query string that inserts a new row into the "ClubMembers" table with the form data submitted by the user.
6. Inside the HTTP POST method, create an instance of the "ClubMembers" class and pass the form data submitted by the user to this object.
7. Open a connection to the database using the connection string.
8. Create a command object called "cmd" that will be used to execute the SQL query against the database.
9. Set the command object's connection property to the open connection to the database.
10. Execute the SQL query using the command object to insert the new club member data into the database.
11. Close the database connection.
12. Return a "View" object that displays the "Index" view and the updated data retrieved from the database by calling the "GetInfoFromDB" method.



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CREATING THE INFORMATION AND ADDING IT TO THE VIEW



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ASP CLUB

- Remove the Member ID from the Create View

```
5 }
6
7 <h1>Create</h1>
8
9 <h4>ClubMembers</h4>
10 <hr />
11 <div class="row">
12   <div class="col-md-4">
13     <form asp-action="Create">
14       <div asp-validation-summary="ModelOnly" class="text-danger"></div>
15       <div class="form-group">
16         <label asp-for="MemberID" class="control-label"></label>
17         <input asp-for="MemberID" class="form-control" />
18         <span asp-validation-for="MemberID" class="text-danger"></span>
19       </div>
20       <div class="form-group">
21         <label asp-for="FirstName" class="control-label"></label>
22         <input asp-for="FirstName" class="form-control" />
23         <span asp-validation-for="FirstName" class="text-danger"></span>
24       </div>
25       <div class="form-group">
26         <label asp-for="LastName" class="control-label"></label>
```

Properties
wwwroot
Controllers
ClubMembersController.cs
HomeController.cs
Models
ClubMembers.cs
ErrorViewModel.cs
Views
ClubMembers

Create.cshtml
Delete.cshtml
Details.cshtml
Edit.cshtml
Index.cshtml

Solution Explorer Git Changes

Properties



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ASP CLUB

[HttpGet]

0 references

```
public ActionResult Create()
```

```
{
```

```
    return View();
```

```
}
```

[HttpPost]

0 references

```
public ActionResult Create(ClubMembers clubMembers)
```

```
{
```

```
    /*
```

```
    1. Begin by creating a new method called "Create" with an HTTP GET attribute. This method will be used to display a view to the user.
```

```
    2. Inside the "Create" method, return a "View" object that displays an empty form for creating a new club member.
```

```
    3. Create a new method called "Create" with an HTTP POST attribute. This method will be used to handle the form submission.
```

```
    4. Define a connection string to connect to the database. This includes the name of the database, the server name, and security credentials to access the database.
```

```
    5. Define an SQL query string that inserts a new row into the "ClubMembers" table with the form data submitted by the user.
```

```
    6. Inside the HTTP POST method, create an instance of the "ClubMembers" class and pass the form data submitted by the user to this object.
```

```
    7. Open a connection to the database using the connection string.
```

```
    8. Create a command object called "cmd" that will be used to execute the SQL query against the database.
```

```
    9. Set the command object's connection property to the open connection to the database.
```

```
    10. Execute the SQL query using the command object to insert the new club member data into the database.
```

```
    11. Close the database connection.
```

```
    12. Return a "View" object that displays the "Index" view and the updated data retrieved from the database by calling the "GetInfoFromDB" method.
```

```
    */
```

```
}
```



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ASP CLUB

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[ClubPro](#) [Home](#) [Privacy](#)

Create ClubMembers

FirstName

LastName

DOB

Level

Create

[Back to List](#)



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ASP CLUB

[ClubPro](#) [Home](#) [Privacy](#)

Index

[Create New](#)

MemberID	FirstName	LastName	DOB	Level	
1	Arthur	King Of The Britains	05-1991-18	6	Edit Details Delete



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EDITING THE INFORMATION AND ADDING IT TO THE VIEW



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ASP CLUB

To create an Edit action method in an ASP.NET MVC project using SQL Client:

1. Add a new HttpGet action method to the controller class, accepting an id parameter.
2. Inside the HttpGet action method, create a connection string to connect to the database.
3. Create a SQL query string to select the record with the specified id value from the ClubMembers table.
4. Create a new ClubMembers object to store the retrieved record data.
5. Using a SqlConnection object, connect to the database and execute the SQL query string to retrieve the record with the specified id.
6. Using a SqlDataReader object, read the retrieved record data and store it in the ClubMembers object.
7. Return the ClubMembers object to the corresponding view using the View method.

To create an Edit HTTP POST action method:

1. Add a new HttpPost action method to the controller class, accepting an ID and a ClubMembers object parameter.
2. Inside the HttpPost action method, create a connection string to connect to the database.
3. Create a SQL query string to update the record with the specified ID value in the ClubMembers table with the data in the ClubMembers object parameter.
4. Using a SqlConnection object, connect to the database and execute the SQL query string to update the record with the specified ID.
5. Redirect the user to the Index action method of the controller class.



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ASP CLUB

In the Index view
uncomment the
/*id=item.PRIMARY
KEY*/
And make it look
like the one in the
picture

```
html    Details.cshtml    Index.cshtml    Program.cs    ClubMembersController.cs    ClubMembers.cs    HomeController.cs
49      |                  |                  |                  |                  |                  |
50      |                  |                  |                  |                  |                  |
51      |                  |                  |                  |                  |                  |
52      |                  |                  |                  |                  |                  |
53      |                  |                  |                  |                  |                  |
54      |                  |                  |                  |                  |                  |
55      |                  |                  |                  |                  |                  |
56      |                  |                  |                  |                  |                  |
57      |                  |                  |                  |                  |                  |
58      |                  |                  |                  |                  |                  |
```

```
<td>
    @Html.DisplayFor(modelItem => item.Level)
</td>
<td>
    @Html.ActionLink("Edit", "Edit", new { id=item.MemberID }) |
    @Html.ActionLink("Details", "Details", new { id=item.MemberID }) |
    @Html.ActionLink("Delete", "Delete", new { id=item.MemberID})
</td>
</tr>
}
```



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ASP CLUB

- Make the MemberID Read-only In the Edit View:

```
<h1>Edit</h1>

<h4>ClubMembers</h4>
<hr />
<div class="row">
  <div class="col-md-4">
    <form asp-action="Edit">
      <div asp-validation-summary="ModelOnly" class="text-danger"></div>
      <div class="form-group">
        <label asp-for="MemberID" class="control-label"></label>
        <input asp-for="MemberID" class="form-control" readonly />
        <span asp-validation-for="MemberID" class="text-danger"></span>
      </div>
      <div class="form-group">
        <label asp-for="FirstName" class="control-label"></label>
        <input asp-for="FirstName" class="form-control" />
        <span asp-validation-for="FirstName" class="text-danger"></span>
      </div>
    </form>
  </div>
</div>
```




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ASP CLUB

[HttpGet]

0 references

```
public ActionResult Edit(int id)
{
```

```
    /*This 'Edit' function retrieves data from the database and sends it to the view, allowing us to make
    modifications:
```

1. Add a new HttpGet action method to the controller class, accepting an id parameter.
2. Inside the HttpGet action method, create a connection string to connect to the database.
3. Create a SQL query string to select the record with the specified id value from the ClubMembers table.
4. Create a new ClubMembers object to store the retrieved record data.
5. Using a SqlConnection object, connect to the database and execute the SQL query string to retrieve the record with the specified id.
6. Using a SqlDataReader object, read the retrieved record data and store it in the ClubMembers object.
7. Return the ClubMembers object to the corresponding view using the View method.

```
    //do all database actions such as connection object and a recordSet/dataset data adapter
```

```
}
```




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[ClubPro](#) [Home](#) [Privacy](#)

Edit ClubMembers

MemberID

FirstName

LastName

DOB

Level

[Back to List](#)



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ASP CLUB

[HttpPut]

0 references

```
public ActionResult Edit(int ID, ClubMembers clubMembers)
```

```
{
```

```
    /*Now that we found the Memeber and can see the Data, we can edit it:
```

1. Add a new HttpPost action method to the controller class, accepting an ID and a ClubMembers object parameter.
2. Inside the HttpPost action method, create a connection string to connect to the database.
3. Create a SQL query string to update the record with the specified ID value in the ClubMembers table with the data in the ClubMembers object parameter.
4. Using a SqlConnection object, connect to the database and execute the SQL query string to update the record with the specified ID.
5. Redirect the user to the Index action method of the controller class.

```
    */
```

```
}
```



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ASP CLUB

Index

[Create New](#)

MemberID	FirstName	LastName	DOB	Level	
1	Arthur	King Of The Britains	1880-02-21	Friend Of Tim	Edit Details Delete



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GETTING THE DETAILS AND ADDING IT TO THE VIEW



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ASP CLUB

- For “Details” there is only one action method. This is because the main goal of the “Details” action method is to display the details of a single club member. Since there are no other actions required in this case, there's no need for any additional methods.



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ASP CLUB

[HttpGet]

0 references

```
public ActionResult Details(int id)
{
    /*
```

1. Add a new action method to the controller called Details.
2. Within the Details action function, create a connection string that tells your application how to connect to the database.
3. Write an SQL query that selects the details for a specific club member using the id parameter.
4. Create a new instance of the ClubMembers class that will hold the club member's details.
5. Connect to the database using the connection string.
6. Execute the SQL query.
7. Loop through the results of the SQL query and set the properties of the class you created to the corresponding values.
8. Return a view that displays the club member's details.
9. Test the action by navigating to the appropriate URL and verifying that the club member's details are displayed.

```
}
```



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ASP CLUB

1. Add a new action function to the controller called Details.
2. Within the Details action function, create a connection string that tells your application how to connect to the database.
3. Write an SQL query that selects the details for a specific club member using the id parameter.
4. Create a new instance of the ClubMembers class that will hold the club member's details.
5. Connect to the database using the connection string.
6. Execute the SQL query.
7. Loop through the results of the SQL query and set the properties of the class you created to the corresponding values.
8. Return a view that displays the club member's details.
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DELETING

ASP CLUB

- The HttpGet method retrieves the details of a single ClubMember by their ID from the database, and displays it in a view.
- The HttpPost method is called when the user confirms that they want to delete the ClubMember, and it deletes the member's record from the database.
- Both methods use a connection string to connect to the database, and execute a SQL query using a SqlCommand object. The HttpGet method reads the data using a SqlDataReader object, while the HttpPost method executes the query using cmd.ExecuteNonQuery().
- After the ClubMember is deleted, the HttpPost method returns the view of the Index page to display the updated list of ClubMembers.



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ASP CLUB

[HttpGet]

0 references

```
public ActionResult Delete(int id)
{
```

```
    /*
```

```
    1. [HttpGet] Delete(int id)
```

- HTTP GET method used for displaying the record to be deleted
- Takes the record ID as a parameter
- Establishes a connection to the database
- Builds an SQL statement to select the record with the specified ID
- Executes the SQL query to retrieve the record from the database
- Maps the database record to an object of the ClubMembers class
- Passes the object to a view for display

```
    */
```

```
}
```




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ASP CLUB

[HttpPost]

0 references

```
public ActionResult Delete(int id, ClubMembers clubMembers)
{
```

```
    /*
```

```
    2. [HttpPost] Delete(int id, ClubMembers clubMembers)
```

- HTTP POST method used for deleting the record
- Takes the record ID and ClubMembers object as parameters
- Establishes a connection to the database
- Builds an SQL statement to delete the record with the specified ID
- Executes the SQL query to delete the record from the database
- Returns a view to display the remaining records in the database

```
    */
```

```
}
```



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ASP CLUB

1. [HttpGet] Delete(int id)

- HTTP GET method used for displaying the record to be deleted
- Takes the record ID as a parameter
- Establishes a connection to the database
- Builds an SQL statement to select the record with the specified ID
- Executes the SQL query to retrieve the record from the database
- Maps the database record to an object of the ClubMembers class
- Passes the object to a view for display



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ASP CLUB

2. [HttpPost] Delete(int id, ClubMembers clubMembers)

1. HTTP POST method used for deleting the record
2. Takes the record ID and ClubMembers object as parameters
3. Establishes a connection to the database
4. Builds an SQL statement to delete the record with the specified ID
5. Executes the SQL query to delete the record from the database
6. Returns a view to display the remaining records in the database