(T9)討論 EfDbFirst。討論 ModelAttributes、DisplayTemplates、EditorTemplates。討論 DateTime、 **JqueryUiDatepicker** CourseGUID: 8503b39c-5887-4634-8291-facfb3117924 (T9)討論 EfDbFirst。討論 ModelAttributes、DisplayTemplates、EditorTemplates。討論 DateTime、 **J**query**U**iDatepicker (T9-1)討論 EfDbFirst (1. to 5.3.) (T9-2)討論 ModelAttributes、DisplayTemplates、EditorTemplates (5.4. to 5.13) (T9-3)討論 DateTime、JqueryUiDatepicker (5.14 to 5.19) 0. Summary 1. MVC conventions 2. OnlineGame DB 2.1. TSQL 2.2. Security login -----3. New Project - OnlineGame 3.1. New Project - OnlineGame. Web 3.1.1. Global.asax.cs 3.1.1. Global.asax.cs 3.2. ADO.Net Entity Data Model - Entity Framework 4. OnlineGame.Web 4.1. Controllers/GamersController.cs 5. OnlineGame.Web 5.1. web.config 5.2. Controllers/GamersController.cs 5.3. Views/Gamer/Index.cshtml 5.4. Models/Gamer/Gamer.cs 5.5. Models/Gamer/GamerMetaData.cs 5.6. Models/Gamer/BoardGame.cs 5.7. Models/Gamer/GamerA.cs 5.8. Views/Gamer/Details.cshtml 5.9. Views/Gamer/Details Two.cshtml (Display Complex Type Sample)

- 5.10. Views/Shared/DisplayTemplates/UrlToNewWindow.cshtml (UIHint Sample)
- 5.11. Views/Gamer/DetailsThree.cshtml ([HiddenInput(DisplayValue = false)], [ReadOnly(true)])
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- 5.13. Views/Gamer/EditTwo.cshtml ([HiddenInput(DisplayValue = false)], [ReadOnly(true)])
- 5.14. Views/Gamer/EditThree.cshtml
- 5.15. Views/Shared/EditorTemplates/DateTime.cshtml
- 5.15. Views/Shared/EditorTemplates/DateTime.cshtml
- 5.17. Add Jquery UI
- 5.18. Views/Gamer/Create.cshtml
- 5.19. Views/Gamer/Delete.cshtml

0. Summary

In this tutorial, we will discuss

- * MvcConventions
- * AdoDotNetEntityDataModel
- * EntityFramework
- * AutoGenerate Delete, Update, Insert, Read
- * DisplayName attribute
 - * [DisplayName("Full Name")]
- * DisplayAttribute attribute
 - * [DisplayAttribute(Name="Full Name")]
- * Display attribute
 - * [Display(Name = "Full Name")]
- * DisplayFormat attribute
 - * [DisplayFormat(NullDisplayText = "Gender not specified")]
 - * [DisplayFormat(DataFormatString = "{0:d}")]
 - * Display only the date part. E.g. 29/04/1986
 - * [DisplayFormat(DataFormatString = "{0:dd/MM/yyyy HH:mm:ss}")]
 - * Display in 24 hour notation. E.g. 29/04/1986 13:00:00
 - * [DisplayFormat(DataFormatString = "{0:dd/MM/yyyy hh:mm:ss tt}")]
 - * Display in 12 hour notation. E.g. 29/04/1986 1:00:00 PM
- * DisplayFormatAttribute attribute
 - * [DisplayFormatAttribute(DataFormatString="{0:d}")]
 - * Display only the date part. E.g. 29/04/1986
- * DataType attribute
 - * [DataType(DataType.Date)]
 - * Display only date part
 - * Please be aware, it actually covert DateTime to Date,

so Views/Shared/EditorTemplates/DateTime.cshtml will not Work.

- * [DataType(DataType.Time)]
 - * Display only 12 hour notation Time part
- * [DataType(DataType.EmailAddress)]
 - * Display mailto hyperlink
- * [DataType(DataType.Url)]
 - * display a hyperlink.
- * [DataType(DataType.Currency)]
 - * Display the currency symbol by globalization culture in web.config file.
 - * In System. Web tag of web. config file,

<system.web> <globalization culture = "en-au" /> ...

Display au \$ symbol.

- * scaffoldcolumn attribute
 - * [ScaffoldColumn(false)]
 - * it will not display the column when using @Html.DisplayForModel() helper.
- * HiddenInput attribute
 - * [HiddenInput(DisplayValue = false)]
 - * It will become a hidden input when using @Html.DisplayForModel() helper or @Html.EditorForModel()
- * ReadOnly attribute
 - * [ReadOnly(true)] or you may delete Setter.
 - * It will make this property un-editable.
 - * You may set a breakpoint to see the [HttpPost] action model for this property is null.
- * DisplayColumn attribute
 - * [DisplayColumn("Name")]
 - * @Html.DisplayTextFor(model => model.GameHolder)

model.GameHolder will return a Gamer object.

* The Gamer class has [DisplayColumn("Name")] attribute,

so it will display Gamer Name property value which is the full name of that gamer.

- * UIHint attribute
 - * [UIHint("UrlToNewWindow")]
 - * UIHint specify the name of view DisplayTemplate
- * 秒殺 Entity Framework 新增更新移除,征服 Model Attributes,Display Templates,Editor Templates,Jquery Ui datepicker
- * 秒殺 Entity Framework 新增更新移除。
- * 完整攻略 Model Attributes,Display Templates,Editor Templates。
- * 初步使用 Jquery Ui datepicker。

1. MVC conventions

In MVC conventions.

- 1. Controllers must have the word "Controller" as the suffix and must extend "IController" interface.
- 2. A view must remain under "Views" folder.
- 3. If the view is for GamerController, then the view must remain under "Views/Gamer" folder.
- 4. In the "HomeController", when "Index" action "return View()", it will search the following files in order.
 - 4.1. ~/Views/Home/Index.aspx
 - 4.2. ~/Views/Home/Index.ascx
 - 4.3. ~/Views/Shared/Index.aspx
 - 4.4. ~/Views/Shared/Index.ascx
 - 4.5. ~/Views/Home/Index.cshtml
 - 4.6. ~/Views/Home/Index.vbhtml 4.7. ~/Views/Shared/Index.cshtml

 - 4.8. ~/Views/Shared/Index.vbhtml
- 5. By MVC convention, MVC will look for the view in the following locations
 - 5.1. Views/ControllerName
 - 5.2. Views/Shared
- 6. The extension name of view can be cshtml, vbhtml, aspx, or ascx.
- 7. Models can be anywhere, even can be in another project. However, it is better to put it in "Models" folder.
- 8. You may put Models in another project as business layer.
- 9. Shared folder stores shared views.

E.g. Master for aspx and Layout pages for cshtml

10. EditorTemplates and DisplayTemplates by MVC convention

10.1.

DisplayTemplates

10.1.1.

Views\Shared\DisplayTemplates\UrlToNewWindow.cshtml

Views\Gamer\DisplayTemplates\UrlToNewWindow.cshtml

UrlToNewWindow.cshtml is the DisplayTemplate which must under "DisplayTemplates" folder.

Views\Shared\DisplayTemplates\UrlToNewWindow.cshtml means

the template is available for all the views.

Views\Gamer\DisplayTemplates\UrlToNewWindow.cshtml means

the template is available for only the views of Gamer controller.

10.1.2.

Using DisplayTemplates

```
10.1.2.1.
In the Models/Gamer/GamerMetaData.cs
//[DataType(DataType.Url)]
//[UIHint("UrlToNewWindow")]
//public string ProfileUrl { get; set; }
[DataType(DataType.Url)] attribute will display a hyperlink.
[UIHint("UrlToNewWindow")] attribute specify the name of view DisplayTemplate
to display the property data.
In this case, it will look for "DisplayTemplates/UrlToNewWindow.cshtml"
under "Shared" folder or "Gamer" folder.
Use that view template to disply the data of this property.
10.1.2.2.
//<a href="@ViewData.Model" target="_blank">@ViewData.Model</a>
In the Shared/DisplayTemplates/UrlToNewWindow.cshtml,
@ViewData.Model will take the Model data from the parent view.
In this case, it will return a profile url.
10.2.
EditorTemplates
10.2.1.
Views\Shared\EditorTemplates\DateTime.cshtml
Views\Gamer\EditorTemplates\DateTime.cshtml
DateTime.cshtml is the EditorTemplate which must under "EditorTemplates" folder.
Views\Shared\EditorTemplates\DateTime.cshtml means
the template is available for all the views.
Views\Gamer\EditorTemplates\DateTime.cshtml means
the template is available for only the views of Gamer controller.
10.2.2.
Using EditorTemplates
The EditorTemplate Name must match View Model property Type Name.
E.g. DateTime.ascx or DateTime.cshtml
10.2.2.1.
In the Models/Gamer/GamerMetaData.cs
////[DataType(DataType.Date)] //Views/Shared/EditorTemplates/DateTime.cshtml will not Work.
////[DisplayFormat(DataFormatString = "{0:dd/MM/yyyy hh:mm:ss tt}")]
//[DisplayFormat(DataFormatString = "{0:d}")]
//public Nullable<System.DateTime> DateOfBirth { get; set; }
The type is DateTime, so it will look for the EditorTemplate from
Views\Shared\EditorTemplates\DateTime.cshtml or
Views\Gamer\EditorTemplates\DateTime.cshtml
In this case, Views\Shared\EditorTemplates\DateTime.cshtml will be the EditorTemplate.
The View Model Property in Edit mode will use the EditorTemplate to display.
In this case,
//@model DateTime?
//@Html.TextBox("", (Model.HasValue ? Model.Value.ToString("yyyy/MM/dd"): string.Empty), new { @class =
"date" })
So it will add the class="date" to the textbox input.
10.2.2.2.
In the Edit.cshtml
//<link href="~/Content/themes/base/jquery-ui.min.css" rel="stylesheet" />
//<link href="~/Content/bootstrap.css" rel="stylesheet" />
//<script src="~/Scripts/jquery-1.12.4.min.js"></script>
//<script src="~/Scripts/jquery-ui-1.12.1.min.js"></script>
```

```
//<script src="~/Scripts/bootstrap.min.js"></script>
//<script type="text/javascript">
   $(function(){
      $("input:text.date").datepicker(
//
//
          dateFormat: "yy/mm/dd"
//
//
        });
// });
//</script>
 .....
11.
There are 2 categories of built-in templated helpers.
_____
11.1.
Display Templates
-----
11.1.1.
//@Html.DisplayFor(model => model.Name)
The view must have strongly typed view Model.
It can work with the complex type Model property.
It is similar to @Html.DisplayTextFor(model => model.GameHolder)
//@Html.DisplayTextFor(model => model.GameHolder)
model.GameHolder will return a Gamer object.
The Gamer class has [DisplayColumn("Name")] attribute,
so it will display Gamer Name property value
which is the full name of that gamer.
-----
11.1.2.
//@Html.DisplayForModel()
The view must have strongly typed view Model.
It will display every property in view model
except the properties with [ScaffoldColumn(false)] attribute.
_____
11.1.3.
@Html.Display helper does not need strongly typed view Mode.
//ViewData["GamerData"] = gamer;
//return View();
In the controller, we put the gamer object into ViewData["GamerData"]
"GamerData" in this case is the key of ViewData.
ViewData["GamerData"] contains that gamer object data,
so we don't have to use a view model.
//@Html.Display("GamerData")
In the view, we use @Html.Display("GamerData")
to retrieve the Gamer data from ViewData["GamerData"].
It will display everything
except the properties with [ScaffoldColumn(false)] attribute.
11.2.
Editor Templates
-----
11.2.1.
//@Html.EditorFor(model => model.Name)
```

The view must have strongly typed view Model.

It will create a textbox for the property value input.

11.2.2.

//@Html.EditorForModel()

The view must have strongly typed view Model.

It will create textbox input for every property in view model

except the properties with [ScaffoldColumn(false)] attribute.

11.2.3.

@Html.Editor helper does not need strongly typed view Mode.

//ViewData["GamerData"] = gamer;

//return View();

In the controller, we put the gamer object into ViewData["GamerData"]

"GamerData" in this case is the key of ViewData.

ViewData["GamerData"] contains that gamer object data,

so we don't have to use a view model.

//@Html.Editor("GamerData")

In the view, we use @Html.Editor("GamerData")

to retrieve the Gamer data from ViewData["GamerData"].

It will create textbox input for every properties in ViewData["GamerData"]

except the properties with [ScaffoldColumn(false)] attribute.

However, we pressed submit button and call the [HttpPost] action

//public async Task<ActionResult>

EditThree(int id, string name, string gender, string city, DateTime? dateOfBirth, string emailAddress, int? score, string profileUrl, int? gameMoney, int? teamId)

OR

//public async Task<ActionResult>

EditThree(Gamer gamer)

Both ways can not retrieve the data because it is not strongly typed.

I don't suggest to use @Html.Editor helper

2. OnlineGame DB

2.1. TSQL

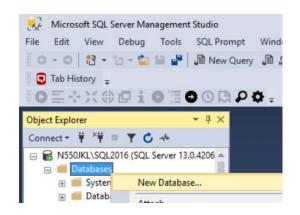
In SQL server Management Studio (SSMS)

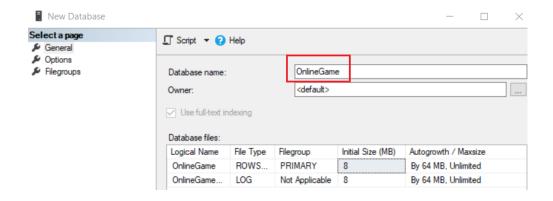
Database --> Right Click --> New Database -->

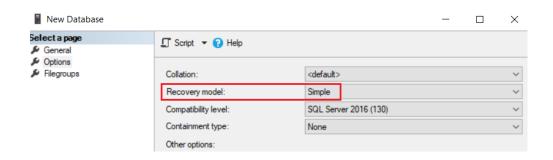
In General Tab -->

Name: OnlineGame

In options Tab --> Recovery model: Simple







```
--1. Drop if it exists
--Drop Table if it exists.
IF ( EXISTS ( SELECT
                        INFORMATION_SCHEMA.TABLES
              FROM
                        TABLE_NAME = 'Gamer' ) )
              WHERE
   BEGIN
       TRUNCATE TABLE Gamer;
       DROP TABLE Gamer;
GO -- Run the previous command and begins new batch
IF ( EXISTS ( SELECT
              FROM
                        INFORMATION_SCHEMA.TABLES
                        TABLE NAME = 'Team'))
              WHERE
   BEGIN
       TRUNCATE TABLE Team;
       DROP TABLE Team;
   END;
GO -- Run the previous command and begins new batch
--Drop Stored Procedure if it exists.
```

--IF OBJECT_ID('spSearchGamer') IS NOT NULL

```
IF ( EXISTS ( SELECT
              FROM
                        INFORMATION_SCHEMA.ROUTINES
              WHERE
                        ROUTINE TYPE = 'PROCEDURE'
                        AND LEFT(ROUTINE_NAME, 3) NOT IN ( 'sp_', 'xp_', 'ms_')
                        AND SPECIFIC_NAME = 'spGetGamers'))
   BEGIN
       DROP PROCEDURE spGetGamers;
   END;
GO -- Run the previous command and begins new batch
IF ( EXISTS ( SELECT
              FROM
                        INFORMATION_SCHEMA.ROUTINES
              WHERE
                        ROUTINE_TYPE = 'PROCEDURE'
                        AND LEFT(ROUTINE_NAME, 3) NOT IN ( 'sp_', 'xp_', 'ms_')
                        AND SPECIFIC_NAME = 'spAddGamer'))
   BEGIN
       DROP PROCEDURE spAddGamer;
   END;
GO -- Run the previous command and begins new batch
IF ( EXISTS ( SELECT
                        INFORMATION_SCHEMA.ROUTINES
              FROM
              WHERE
                        ROUTINE_TYPE = 'PROCEDURE'
                        AND LEFT(ROUTINE_NAME, 3) NOT IN ( 'sp_', 'xp_', 'ms_')
                        AND SPECIFIC_NAME = 'spSaveGamer'))
   BEGIN
       DROP PROCEDURE spSaveGamer;
   END;
GO -- Run the previous command and begins new batch
IF ( EXISTS ( SELECT
              FROM
                        INFORMATION_SCHEMA.ROUTINES
              WHERE
                        ROUTINE_TYPE = 'PROCEDURE'
                        AND LEFT(ROUTINE_NAME, 3) NOT IN ( 'sp_', 'xp_', 'ms_')
                        AND SPECIFIC_NAME = 'spDeleteGamer' ) )
   BEGIN
       DROP PROCEDURE spDeleteGamer;
   END;
GO -- Run the previous command and begins new batch
--2. Create Table
CREATE TABLE Team
   (
      Id INT PRIMARY KEY
             IDENTITY(1, 1)
             NOT NULL,
      [Name] NVARCHAR(100) NULL
   );
GO -- Run the previous command and begins new batch
CREATE TABLE Gamer
      Id INT PRIMARY KEY
             IDENTITY(1, 1)
             NOT NULL,
      [Name] NVARCHAR(100) NULL,
      Gender NVARCHAR (10) NULL,
      City NVARCHAR(50) NULL,
```

```
DateOfBirth DATETIME NULL,
      EmailAddress NVARCHAR(100),
      Score INT,
      ProfileUrl NVARCHAR(100),
      GameMoney INT,
      TeamId INT FOREIGN KEY REFERENCES Team ( Id )
   );
GO -- Run the previous command and begins new batch
--3. Insert Data
INSERT Team
VALUES ( N'Team1' );
INSERT Team
VALUES (N'Team2');
INSERT Team
VALUES (N'Team3');
GO -- Run the previous command and begins new batch
VALUES (N'Name01 ABB', N'Male', N'City01', '1979/4/28', '1@AAA.com', 3500,
         'https://ithandyguytutorial.blogspot.com.au/', 1000, 1 );
INSERT Gamer
VALUES (N'Name02 CDDE', N'Female', N'City03', '1981/7/24', '2@BBB.com', 3500,
          'https://ithandyguytutorial.blogspot.com.au/', 1500, 2 );
INSERT Gamer
VALUES (N'Name03 FIJK', N'Female', N'City01', '1984/12/5', '3@CCCC.com', 3500,
          'https://ithandyguytutorial.blogspot.com.au/', 4000, 3 );
INSERT Gamer
VALUES (N'Name04 LMOPPQ', N'Male', N'City02', '1983/5/29', '4@DD.com', 3500,
          'https://ithandyguytutorial.blogspot.com.au/', 2500, 1);
INSERT Gamer
VALUES ( N'Name05 QRSTT', N'Male', N'City01', '1979/6/20', '5@EEE.com', 3500,
          'https://ithandyguytutorial.blogspot.com.au/', 3500, 3 );
INSERT Gamer
VALUES (N'Name06 TUVVX', N'Female', N'City03', '1984/5/15', '6@FF.com',
          3500, 'https://ithandyguytutorial.blogspot.com.au/', 2500, 3);
INSERT Gamer
VALUES (N'Name07 XYZZXX', N'Female', N'City01', '1986/4/29', '7@GGGG.com',
          3500, 'https://ithandyguytutorial.blogspot.com.au/', 4550, 2);
INSERT Gamer
VALUES (N'Name08 ABBCDE', N'Male', N'City02', '1985/7/28', '80HH.com', 3500,
          'https://ithandyguytutorial.blogspot.com.au/', 3550, 1);
INSERT Gamer
VALUES (N'Name09 QRSTTUVXX', N'Male', N'City02', '1983/4/16', '9@IIII.com',
          3500, 'https://ithandyguytutorial.blogspot.com.au/', 2510, 1);
GO -- Run the previous command and begins new batch
--4. SP
CREATE PROCEDURE spGetGamers
AS
   BEGIN
       SELECT *
       FROM
               Gamer;
   END;
GO -- Run the previous command and begins new batch
CREATE PROCEDURE spAddGamer
   (
      @Name NVARCHAR(50),
      @Gender NVARCHAR(10),
```

```
@City NVARCHAR(50) ,
      @DateOfBirth DateTime ,
         @EmailAddress NVARCHAR(100) ,
      @Score INT,
      @ProfileUrl NVARCHAR(100),
         @GameMoney INT,
      @TeamId INT
AS
   BEGIN
        INSERT INTO Gamer
       VALUES (@Name,@Gender,@City,@DateOfBirth,@EmailAddress,@Score,@ProfileUrl,@GameMoney,@TeamId
);
   END;
GO -- Run the previous command and begins new batch
CREATE PROCEDURE spSaveGamer
   (
      @Id INT ,
      @Name NVARCHAR(50),
      @Gender NVARCHAR(10),
      @City NVARCHAR(50) ,
      @DateOfBirth DateTime ,
         @EmailAddress NVARCHAR(100) ,
      @Score INT,
      @ProfileUrl NVARCHAR(100) ,
         @GameMoney INT,
      @TeamId INT
AS
   BEGIN
       UPDATE dbo.Gamer
       SET
               Name = @Name ,
                Gender = @Gender ,
                City = @City,
                DateOfBirth = @DateOfBirth,
                              EmailAddress = @EmailAddress ,
                              Score = @Score,
                              ProfileUrl = @ProfileUrl ,
                              GameMoney = @GameMoney ,
                TeamId = @TeamId
       WHERE
                Id = @Id;
   END;
GO -- Run the previous command and begins new batch
CREATE PROCEDURE spDeleteGamer ( @Id int )
AS
   BEGIN
       DELETE FROM Gamer
       WHERE
                Id = @Id;
   END;
GO -- Run the previous command and begins new batch
--EXEC spGetGamers
--GO -- Run the previous command and begins new batch
```

2.2. Security login

In SQL server

Object Explorer --> Security --> Logins --> New Logins

-->

General Tab

Login Name:

Tester

Password:

1234

Default Database:

OnlineGame

-->

Server Roles Tab

Select

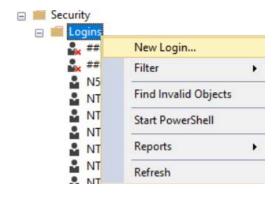
sysadmin

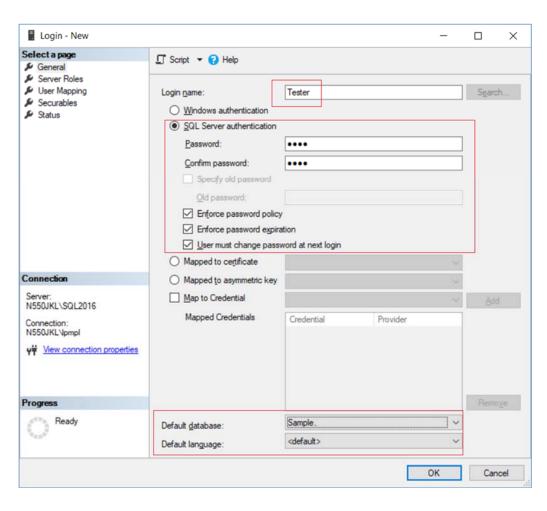
-->

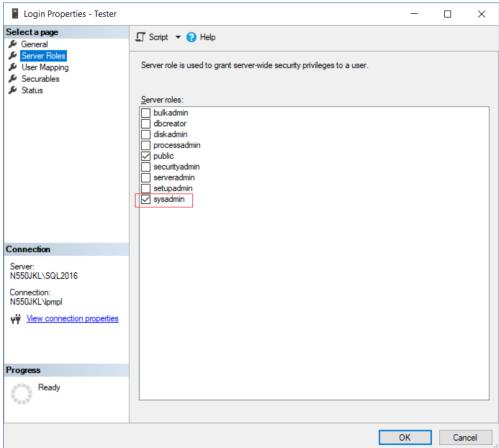
User Mapping Tab

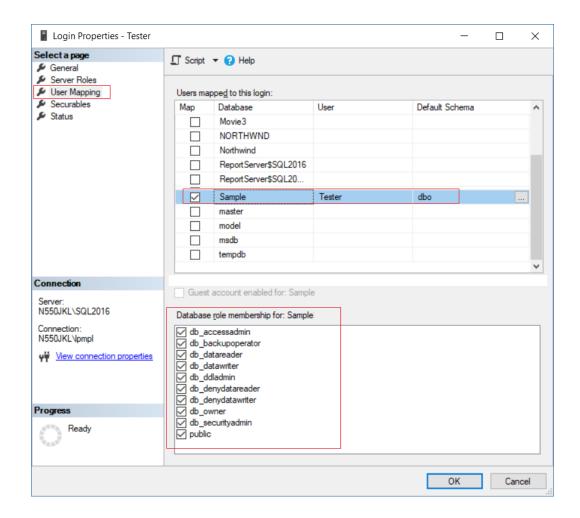
Select **OnlineGame**

Select every single role.





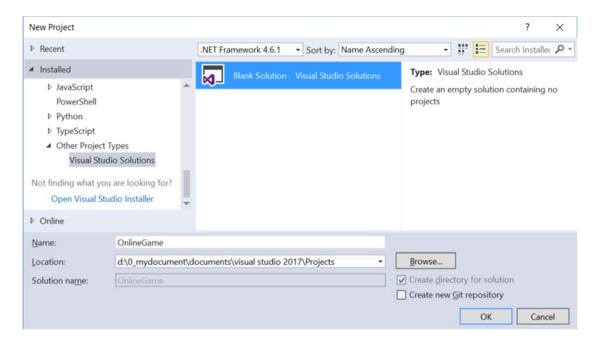




3. New Project - OnlineGame

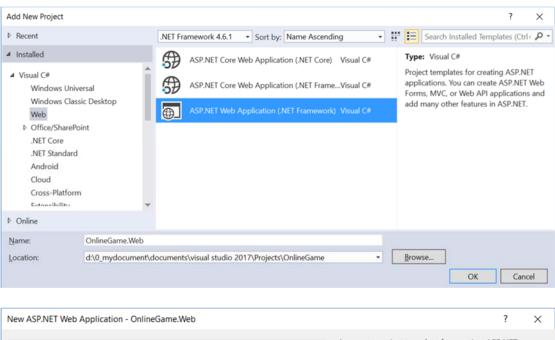
File --> New --> Project... -->
Other Project Types --> Visual Studio Solutions --> Blank Solution
-->

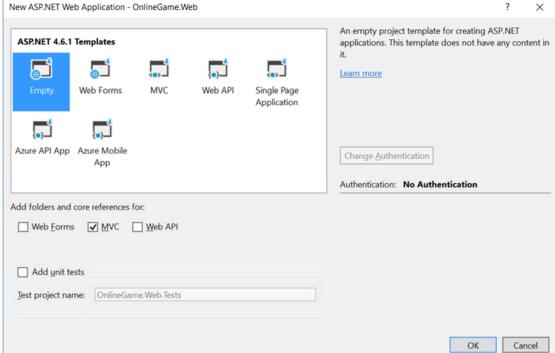
Name: OnlineGame



3.1. New Project - OnlineGame.Web

```
Solutions Name --> Add --> New Project -->
Visual C# --> Web --> <u>ASP.NET</u>Web Application (.Net Framework)
-->
Name: OnlineGame.Web
Empty --> Select "MVC" --> OK
```





3.1.1. Global.asax.cs

```
using System.Web.Mvc;
using System.Web.Routing;
namespace OnlineGame.Web
{
   public class MvcApplication : System.Web.HttpApplication
```

```
{
    //Application_Start() is the magic start point of this application
    protected void Application_Start()
    {
        AreaRegistration.RegisterAllAreas();
        //1.

        //Register Route Configure in RouteConfig.cs

        //If you want to see route configuration,

        //you may find it in RouteConfig.cs

        //2.

        //System.Web.Routing.RouteCollection Routes { get; }

        //Gets a collection of objects that derive from the System.Web.Routing.RouteBase class.
        RouteConfig.RegisterRoutes(RouteTable.Routes);
    }
}
```

3.1.2. App_Start/RouteConfig.cs

```
using System.Web.Mvc;
using System.Web.Routing;
namespace OnlineGame.Web
   public class RouteConfig
       public static void RegisterRoutes(RouteCollection routes)
        {
            //Handle the Route of the axd request file.
            //E.g. ASP.Net Tracing
            routes.IgnoreRoute("{resource}.axd/{*pathInfo}");
            //Handle the Route called "Default".
            //The mapping URL is "{controller}/{action}/{id}"
            //Set the default value of Controller, action, and id.
            routes.MapRoute(
                 name: "Default",
                 url: "{controller}/{action}/{id}",
                 defaults: new { controller = "Gamer", action = "Index", id = UrlParameter.Optional }
            );
        }
    }
}
1.
//routes.MapRoute(
      name: "Default",
      url: "{controller}/{action}/{id}",
      defaults: new { controller = "Home", action = "Index", id = UrlParameter.Optional }
//
//);
1.1.
When a request comes in,
it's trying to do a pattern match based on
all the templates it sees in these mapped routes.
A route is some instructions for
how to take a URI coming into a request
and map it to some code,
normally a controller.
In this case,
look at defaults parameter,
when user request <a href="http://localhost:PortNumber/">http://localhost:PortNumber/</a>
```

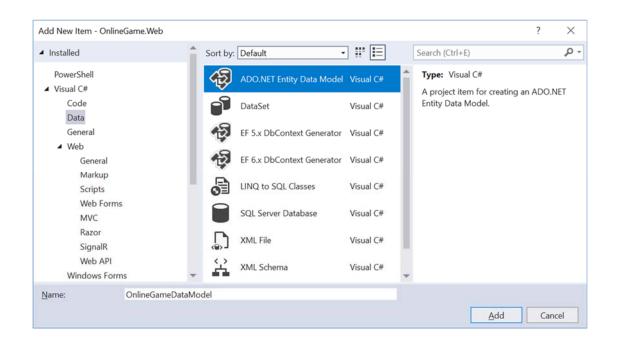
```
IIS Express will run
HomeController Index action.
It will map to Controllers/HomeController.cs
and map to Index Method
By convention in MVC.
All controllers will have Controller suffix.
This suffix is not required in the URL.
So, if you want to invoke Home controller,
you specify /Home and not /HomeController.
2.
//routes.IgnoreRoute("{resource}.axd/{*pathInfo}");
https://stackoverflow.com/questions/9016650/what-is-routes-ignorerouteresource-axd-pathinfo
This line can handle the axd file request route,
E.g. trace.axd
.axd files don't exist physically.
ASP.NET uses URLs with .axd extensions
(ScriptResource.axd and WebResource.axd) internally,
and they are handled by an HttpHandler.
Therefore, you should keep this rule,
to prevent ASP.NET MVC from trying to handle the request
instead of letting the dedicated HttpHandler do it.
2.2.
trace.axd
Reference:
https://msdn.microsoft.com/en-us/library/wwh16c6c.aspx
trace.axd trace details for a specific request.
If you want to enable trace.axd,
then you have to go to Web.config
Add <trace enabled="true" pageOutput="false"/> under <system.web>
Then run the project, type the following URL
http://localhost/OnlineGame.Web/trace.axd
This will return <a href="ASP.NET">ASP.NET</a> trace.axd.
If you do not have
// routes.IgnoreRoute("{resource}.axd/{*pathInfo}");
then you can not enable the trace.axd.
```

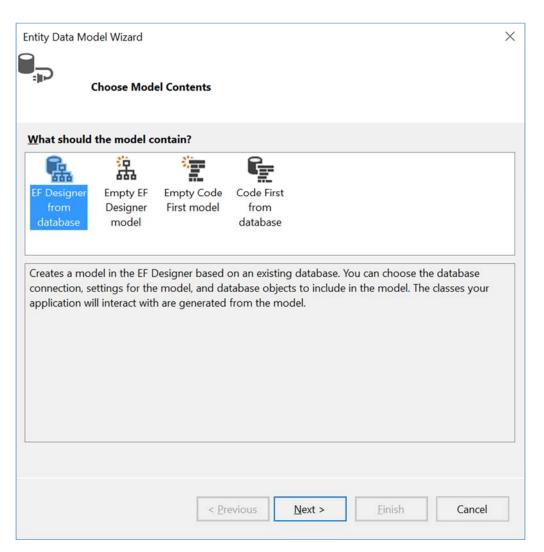
3.2. ADO.Net Entity Data Model - Entity Framework

```
In Visual Studio 2017

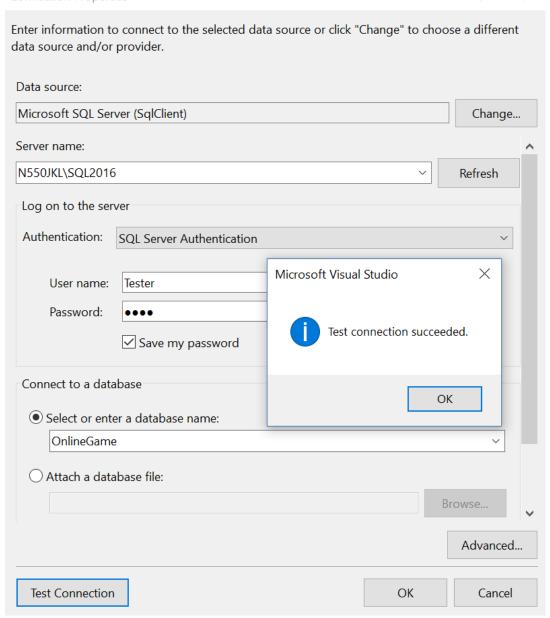
Models folder --> Right Click --> Add --> New Item
--> Visual C# --> Data --> ADO.Net Entity Data Model
Name:
OnlineGameDataModel
-->
EF Designer from database
....
-->
Save Connection settings in Web.Config as:
```

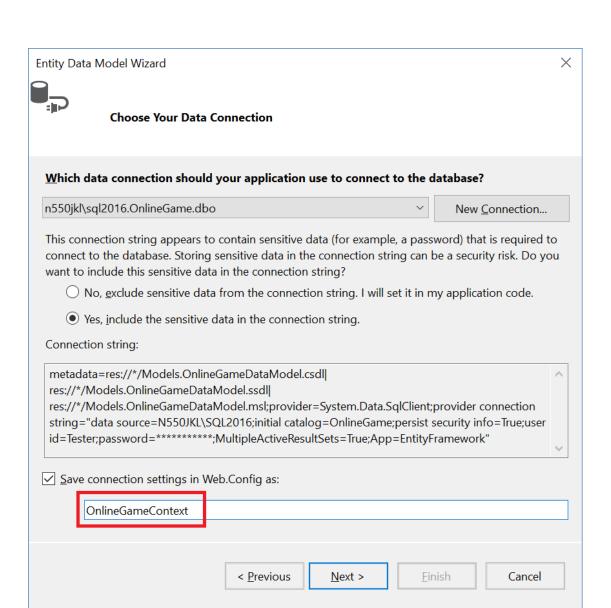
OnlineGameContext

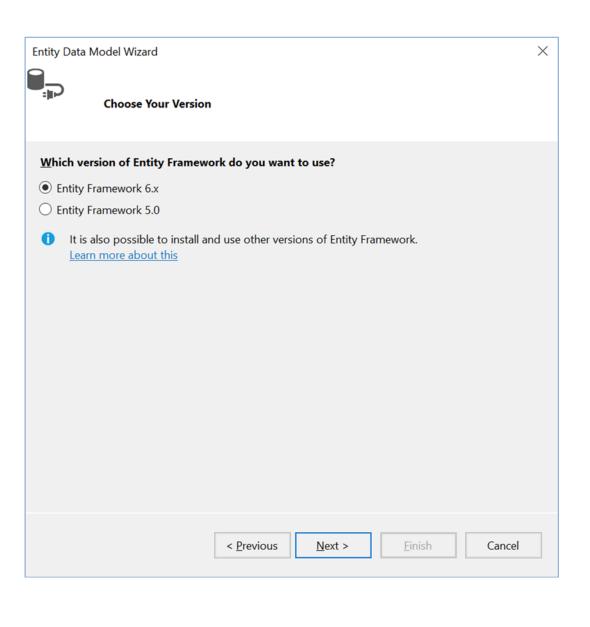


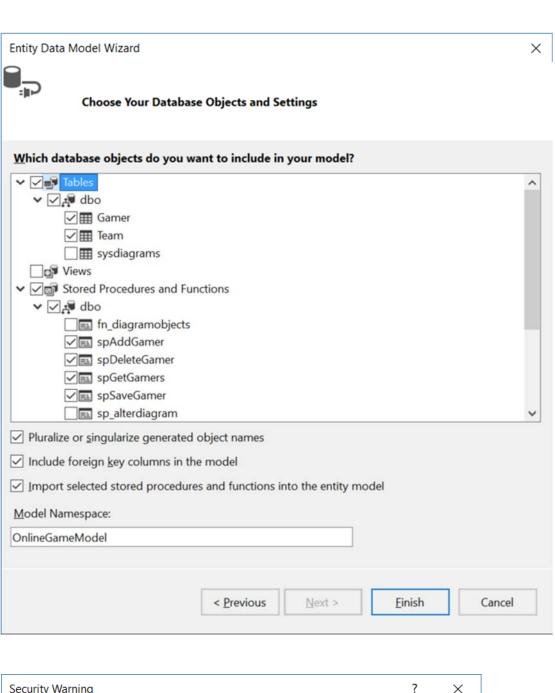


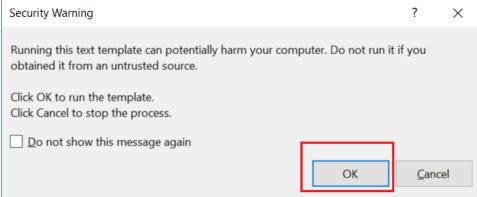
ntity Data Model Wizard	×							
Choose Your Data Connection								
<u>W</u> hich data connection should your application use to connect to the database?								
~	New <u>C</u> onnection							
This connection string appears to contain sensitive data (for example, a password connect to the database. Storing sensitive data in the connection string can be a want to include this sensitive data in the connection string? No, exclude sensitive data from the connection string. I will set it in my approximately a sensitive data from the connection string.	security risk. Do you							
Yes, include the sensitive data in the connection string.								
Connection string:								
	^							
Save connection settings in Web.Config as:								
< Previous Next > Einish	Cancel							

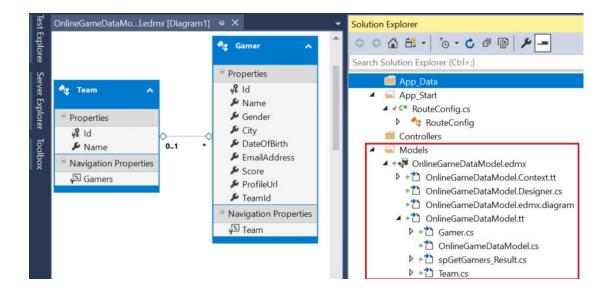










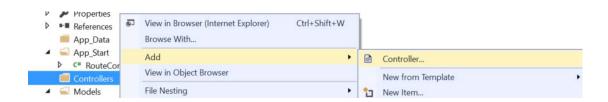


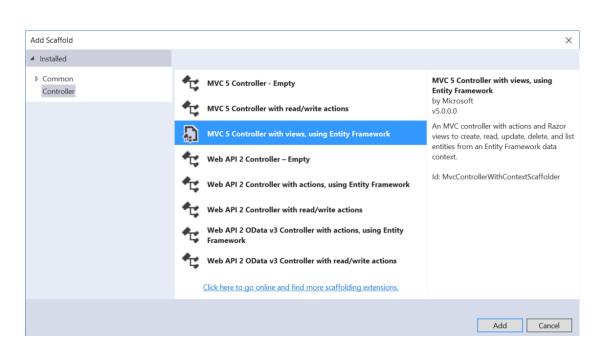
4. OnlineGame.Web

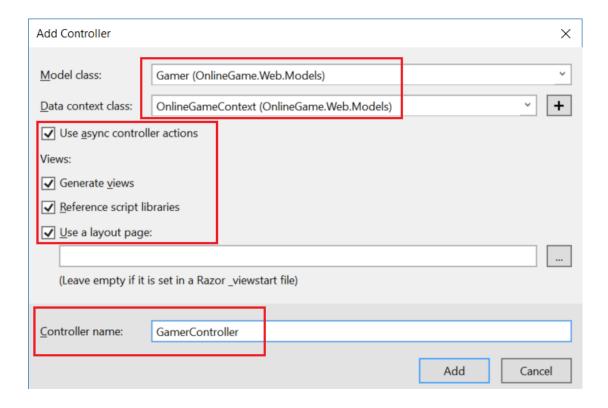
4.1. Controllers/GamersController.cs

Controllers --> Right click --> Add --> Controller

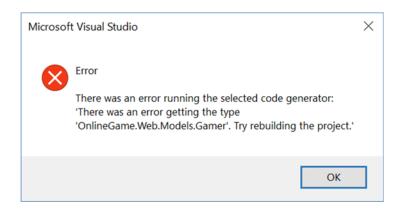
MVC 5 Controller with views, using Entity Framework



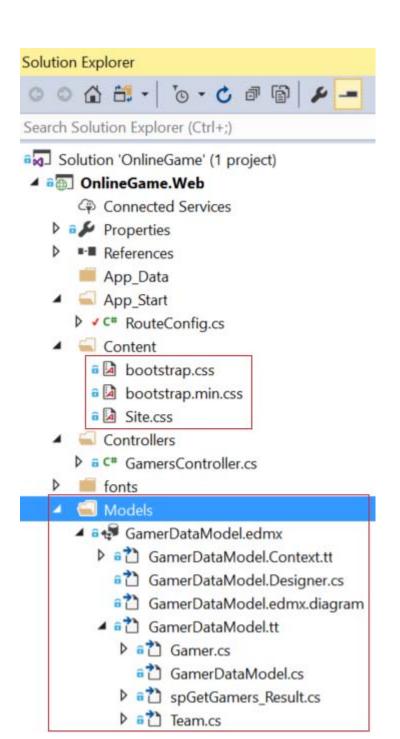


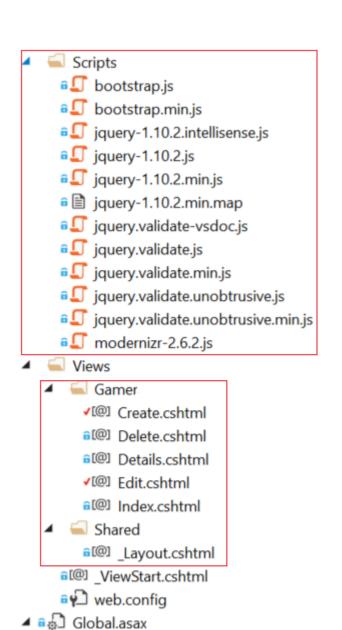


If you see the following error message, then you have to re-build solution before you create the controller.



It will automatically generate the controller, views, and several javascript and css files.





Properties Solution Explorer Team Explorer

▶ a ☐ Global.asax.cs■ packages.config

▶ **a** ₩eb.config

Index Create New

Name	Gender	City	DateOfBirth	EmailAddress	Score	ProfileUrl	GameMoney	Name	
Name01 ABB	Male	City01	28/04/1979 12:00:00 AM	1@AAA.com	3500	https://ithandyguytutorial.blogspot.com.au/	1000	Team1	Edit Details Delete
Name02 CDDE	Female	City03	24/07/1981 12:00:00 AM	2@BBB.com	3500	https://ithandyguytutorial.blogspot.com.au/	1500	Team2	Edit Details Delete
Name03 FIJK	Female	City01	5/12/1984 12:00:00 AM	3@CCCC.com	3500	https://ithandyguytutorial.blogspot.com.au/	4000	Team3	Edit Details Delete
Name04 LMOPPQ	Male	City02	29/05/1983 12:00:00 AM	4@DD.com	3500	https://ithandyguytutorial.blogspot.com.au/	2500	Team1	Edit Details Delete
Name05 QRSTT	Male	City01	20/06/1979 12:00:00 AM	5@EEE.com	3500	https://ithandyguytutorial.blogspot.com.au/	3500	Team3	Edit Details Delete
Name06 TUVVX	Female	City03	15/05/1984 12:00:00 AM	6@FF.com	3500	https://ithandyguytutorial.blogspot.com.au/	2500	Team3	Edit Details Delete
Name07 XYZZXX	Female	City01	29/04/1986 12:00:00 AM	7@GGGG.com	3500	https://ithandyguytutorial.blogspot.com.au/	4550	Team2	Edit Details Delete
Name08 ABBCDE	Male	City02	28/07/1985 12:00:00 AM	8@HH.com	3500	https://ithandyguytutorial.blogspot.com.au/	3550	Team1	Edit Details Delete
Name09 QRSTTUVXX	Male	City02	16/04/1983 12:00:00 AM	9@IIII.com	3500	https://ithandyguytutorial.blogspot.com.au/	2510	Team1	Edit Details Delete

5. OnlineGame.Web

5.1. web.config

```
https://go.microsoft.com/fwlink/?LinkId=301880
     6 = <configuration>
     7 (configSections)
            <!-- For more information on Entity Framework configuration, visit <a href="http://go.microsoft.com/">http://go.microsoft.com/</a>
             fwlink/?LinkID=237468 -->
            <section name="entityFramework"</pre>
             type="System.Data.Entity.Internal.ConfigFile.EntityFrameworkSection, EntityFramework,
              Version=6.0.0.0, Culture=neutral, PublicKeyToken=b77a5c561934e089" requirePermission="false" />
         </configSections>
    10
    11 = <appSettings>
           <add key="webpages:Version" value="3.0.0.0" />
<add key="webpages:Enabled" value="false" />
             <add key="ClientValidationEnabled" value="true" />
         <add key="UnobtrusiveJavaScriptEnabled" value="true" />
        <add key-
</appSettings>
    17 (system.web)
          <globalization culture="en-au"/>
    18
              <compilation debug="true" targetFramework="4.6.1" />
    19
             <httpRuntime targetFramework="4.6.1" />
    20
           </system.web>
    21
    22 = <runtime>
<system.web>
  <globalization culture="en-au"/>
```

5.2. Controllers/GamersController.cs

```
using System;
using System.Data.Entity;
using System.Linq;
using System.Threading.Tasks;
using System.Net;
using System.Web.Mvc;
using OnlineGame.Web.Models;
namespace OnlineGame.Web.Controllers
{
   public class GamerController : Controller
    {
       private OnlineGameContext _db = new OnlineGameContext();
       // GET: Gamer
        [HttpGet]
       public async Task<ActionResult> Index()
            IQueryable<Gamer> gamers = _db.Gamers.Include(g => g.Team);
            return View(await gamers.ToListAsync());
        }
       // GET: Gamer/Details/5
        [HttpGet]
       public async Task<ActionResult> Details(int? id)
        {
           if (id == null)
            {
                return new HttpStatusCodeResult(HttpStatusCode.BadRequest);
            Gamer gamer = await _db.Gamers.FindAsync(id);
            if (gamer == null)
            {
                return HttpNotFound();
           return View(gamer);
       // GET: Gamer/DetailsTwo
        [HttpGet]
       public ActionResult DetailsTwo()
        {
            BoardGame boardGame = new BoardGame();
            return View(boardGame);
       // GET: Gamer/DetailsThree/5
        [HttpGet]
       public async Task<ActionResult> DetailsThree(int? id)
        {
           if (id == null)
                return new HttpStatusCodeResult(HttpStatusCode.BadRequest);
            Gamer gamer = await _db.Gamers.FindAsync(id);
            if (gamer == null)
            {
                return HttpNotFound();
            GamerA gamerA = GamerToGamerA(gamer);
            return View(gamerA);
```

```
[HttpGet]
        public async Task<ActionResult> DetailsFour(int? id)
            if (id == null)
             {
                return new HttpStatusCodeResult(HttpStatusCode.BadRequest);
            Gamer gamer = await _db.Gamers.FindAsync(id);
            if (gamer == null)
                return HttpNotFound();
             ViewData["GamerData"] = gamer;
            return View();
        }
        // GET: Gamer/Create
        [HttpGet]
        public ActionResult Create()
             ViewBag.TeamId = new SelectList(_db.Teams, "Id", "Name");
            return View();
        }
        // POST: Gamer/Create
        // To protect from overposting attacks, please enable the specific properties you want to bind to,
for
        // more details see <a href="https://go.microsoft.com/fwlink/?LinkId=317598">https://go.microsoft.com/fwlink/?LinkId=317598</a>.
        [HttpPost]
        [ValidateAntiForgeryToken]
        public async Task<ActionResult> Create([Bind(Include
= "Id, Name, Gender, City, DateOfBirth, EmailAddress, Score, ProfileUrl, GameMoney, TeamId")] Gamer gamer)
        {
            if (ModelState.IsValid)
             {
                 _db.Gamers.Add(gamer);
                 await _db.SaveChangesAsync();
                return RedirectToAction("Index");
            ViewBag.TeamId = new SelectList(_db.Teams, "Id", "Name", gamer.TeamId);
            return View(gamer);
        }
        // GET: Gamer/Edit/5
        [HttpGet]
        public async Task<ActionResult> Edit(int? id)
            if (id == null)
             {
                return new HttpStatusCodeResult(HttpStatusCode.BadRequest);
             Gamer gamer = await _db.Gamers.FindAsync(id);
            if (gamer == null)
                return HttpNotFound();
             ViewBag.TeamId = new SelectList(_db.Teams, "Id", "Name", gamer.TeamId);
            return View(gamer);
        // GET: Gamer/Edit/5
        [HttpGet]
```

```
public async Task<ActionResult> EditTwo(int? id)
            if (id == null)
            {
                return new HttpStatusCodeResult(HttpStatusCode.BadRequest);
            Gamer gamer = await _db.Gamers.FindAsync(id);
            if (gamer == null)
                return HttpNotFound();
            GamerA gamerA = GamerToGamerA(gamer);
            ViewBag.TeamId = new SelectList(_db.Teams, "Id", "Name", gamerA.TeamId);
            return View(gamerA);
        }
        // GET: Gamer/Edit/5
        [HttpGet]
        public async Task<ActionResult> EditThree(int? id)
            if (id == null)
            {
                return new HttpStatusCodeResult(HttpStatusCode.BadRequest);
            Gamer gamer = await _db.Gamers.FindAsync(id);
            if (gamer == null)
                return HttpNotFound();
            ViewData["GamerData"] = gamer;
            return View();
            //ViewBag.TeamId = new SelectList( db.Teams, "Id", "Name", gamer.TeamId);
            //return View(gamer);
        }
        // POST: Gamer/Edit/5
        // To protect from overposting attacks, please enable the specific properties you want to bind to,
for
        // more details see <a href="https://go.microsoft.com/fwlink/?LinkId=317598">https://go.microsoft.com/fwlink/?LinkId=317598</a>.
        [HttpPost]
        [ValidateAntiForgeryToken]
        public async Task<ActionResult> Edit([Bind(Include
= "Id, Name, Gender, City, DateOfBirth, EmailAddress, Score, ProfileUrl, GameMoney, TeamId")] Gamer gamer)
        {
            if (ModelState.IsValid)
                 _db.Entry(gamer).State = EntityState.Modified;
                await db.SaveChangesAsync();
                return RedirectToAction("Index");
            ViewBag.TeamId = new SelectList(_db.Teams, "Id", "Name", gamer.TeamId);
            return View(gamer);
        [HttpPost]
        public async Task<ActionResult> EditTwo(GamerA gamerA)
        {
            if (ModelState.IsValid)
            {
                 Gamer gamer = GamerAToGamer(gamerA);
                 //Retrieve data from DB
                 Gamer gamerFromDb = await _db.Gamers.SingleAsync(g => g.Id == gamerA.Id);
```

```
//Update all properties except Email and Score
                gamerFromDb.Name = gamer.Name;
                gamerFromDb.Gender = gamer.Gender;
                gamerFromDb.City = gamer.City;
                gamerFromDb.DateOfBirth = gamer.DateOfBirth;
                //gamerFromDb.EmailAddress = gamer.EmailAddress;
                //gamerFromDb.Score = gamer.Score;
                gamerFromDb.ProfileUrl = gamer.ProfileUrl;
                gamerFromDb.GameMoney = gamer.GameMoney;
                gamerFromDb.TeamId = gamer.TeamId;
                _db.Entry(gamerFromDb).State = EntityState.Modified;
                await _db.SaveChangesAsync();
                //return RedirectToAction("Index");
                return RedirectToAction("DetailsThree", new { id = gamerA.Id });
            ViewBag.TeamId = new SelectList(_db.Teams, "Id", "Name", gamerA.TeamId);
            return View(gamerA);
        [HttpPost]
       public async Task<ActionResult> EditThree(int id, string name, string gender, string city, DateTime?
dateOfBirth, string emailAddress, int? score, string profileUrl, int? gameMoney, int? teamId)
       //public async Task<ActionResult> EditThree(Gamer gamer)
           var gamerData = ViewData["GamerData"];
           return RedirectToAction("Index");
        }
       // GET: Gamer/Delete/5
        [HttpGet]
       public async Task<ActionResult> Delete(int? id)
            if (id == null)
            {
               return new HttpStatusCodeResult(HttpStatusCode.BadRequest);
            Gamer gamer = await _db.Gamers.FindAsync(id);
           if (gamer == null)
                return HttpNotFound();
            }
           return View(gamer);
        }
       // POST: Gamer/Delete/5
        [HttpPost, ActionName("Delete")]
        [ValidateAntiForgeryToken]
       public async Task<ActionResult> DeleteConfirmed(int id)
        {
            Gamer gamer = await _db.Gamers.FindAsync(id);
            _db.Gamers.Remove(gamer);
            await _db.SaveChangesAsync();
           return RedirectToAction("Index");
       private static GamerA GamerToGamerA(Gamer gamer)
        {
            GamerA gamerA = new GamerA
                Id = gamer.Id,
                Name = gamer.Name,
                Gender = gamer.Gender,
                City = gamer.City,
                DateOfBirth = gamer.DateOfBirth,
```

```
EmailAddress = gamer.EmailAddress,
            Score = gamer.Score,
            ProfileUrl = gamer.ProfileUrl,
            GameMoney = gamer.GameMoney,
            TeamId = gamer.TeamId
        };
       return gamerA;
    }
   private static Gamer GamerAToGamer(GamerA gamerA)
        Gamer gamer = new Gamer
        {
            Id = gamerA.Id,
            Name = gamerA.Name,
            Gender = gamerA.Gender,
            City = gamerA.City,
            DateOfBirth = gamerA.DateOfBirth,
            EmailAddress = gamerA.EmailAddress,
            Score = gamerA.Score,
            ProfileUrl = gamerA.ProfileUrl,
            GameMoney = gamerA.GameMoney,
            TeamId = gamerA.TeamId
        };
        return gamer;
    }
   protected override void Dispose(bool disposing)
        if (disposing)
        {
            _db.Dispose();
       base.Dispose(disposing);
    }
}
```

5.3. Views/Gamer/Index.cshtml

}

```
@model IEnumerable<OnlineGame.Web.Models.Gamer>
<u>@{</u>
   ViewBag.Title = "Index";
<h2>Index</h2>
   @Html.ActionLink("Create New", "Create")
@Html.DisplayNameFor(model => model.Name)

@Html.DisplayNameFor(model => model.Gender)
      @Html.DisplayNameFor(model => model.City)
```

```
@Html.DisplayNameFor(model => model.DateOfBirth)
   @Html.DisplayNameFor(model => model.EmailAddress)
   @Html.DisplayNameFor(model => model.Score)
   @Html.DisplayNameFor(model => model.ProfileUrl)
   >
      @Html.DisplayNameFor(model => model.GameMoney)
   @Html.DisplayNameFor(model => model.Team.Name)
   @foreach (var item in Model)
{
   @Html.DisplayFor(modelItem => item.Name)
      @Html.DisplayFor(modelItem => item.Gender)
      @Html.DisplayFor(modelItem => item.City)
      >
          @Html.DisplayFor(modelItem => item.DateOfBirth)
      @Html.DisplayFor(modelItem => item.EmailAddress)
      @Html.DisplayFor(modelItem => item.Score)
      @Html.DisplayFor(modelItem => item.ProfileUrl)
      @Html.DisplayFor(modelItem => item.GameMoney)
      >
          @Html.DisplayFor(modelItem => item.Team.Name)
      @Html.ActionLink("Edit", "Edit", new { id = item.Id }) |
          @Html.ActionLink("EditTwo", "EditTwo", new { id = item.Id }) |
```

```
@Html.ActionLink("EditThree", "EditThree", new { id = item.Id }) |
                     @Html.ActionLink("Details", "Details", new { id = item.Id }) |
                     @Html.ActionLink("DetailsTwo", "DetailsTwo", new { id = item.Id }) |
                     @Html.ActionLink("DetailsThree", "DetailsThree", new { id = item.Id }) |
                     @Html.ActionLink("DetailsFour", "DetailsFour", new { id = item.Id }) |
                     @Html.ActionLink("Delete", "Delete", new { id = item.Id })
                }
Index
Create New
 Full Name
                           DateOfBirth EmailAddress
                                                                                                   Edit | EditTwo | EditThree |
Details | DetailsTwo |
 Name01 ABB
                   City01ss 30/04/1979 1@AAA.com
                                                3500
                                                     https://ithandyguytutorial.blogspot.com.au/ $1,000.00
                                                                                             Team1
                                                                                                   DetailsThree | DetailsFo
 Name02 CDDE Female Citv03
                                                                                             Team2 Edit | EditTwo | EditThree |
                          30/09/1981
                                    2@BBB.com
                                                3500
                                                     https://ithandvguvtutorial.blogspot.com.au/ $1,500.00
                                                                                                   DetailsThree | DetailsFour |
                                    3@CCCC.com 3500
                                                     https://ithandyguytutorial.blogspot.com.au/ $4,000.00
                                                                                                  Edit | EditTwo | EditThree |
                                                                                                   Details I DetailsTwo I
                                                                                                   DetailsThree | DetailsFour |
```

5.4. Models/Gamer/Gamer.cs

```
using System.ComponentModel.DataAnnotations;
namespace OnlineGame.Web.Models
{
    [MetadataType(typeof(GamerMetaData))]
    //[DisplayColumn("Id")]
    [DisplayColumn("Name")]
    public partial class Gamer
    {
     }
}
```

5.5. Models/Gamer/GamerMetaData.cs

```
using System;
using System.ComponentModel;
using System.ComponentModel.DataAnnotations;
namespace OnlineGame.Web.Models
{
    public class GamerMetaData
    {
        //[HiddenInput(DisplayValue = false)]
        public int Id { get; set; }
        //1.
        ////[DisplayAttribute(Name="Full Name")]
        ////[Display(Name = "Full Name")]
        ////[DisplayName("Full Name")]
```

```
//Display Name as "Full Name"
[DisplayName("Full Name")]
public string Name { get; set; }
//2.
//If gender is NULL, then display "Gender not specified".
[DisplayFormat(NullDisplayText = "Gender not specified")]
public string Gender { get; set; }
public string City { get; set; }
//3.
//DateTime
//3.1.
///[DisplayFormat(DataFormatString = "....")]
//3.1.1.
/////[DisplayFormat(DataFormatString = "{0:d}")]
///[DisplayFormatAttribute(DataFormatString="{0:d}")]
///public Nullable<System.DateTime> DateOfBirth { get; set; }
//Display only the date part. E.g. 29/04/1986
//3.1.2.
///[DisplayFormat(DataFormatString = "{0:dd/MM/yyyy HH:mm:ss}")]
///public Nullable<System.DateTime> DateOfBirth { get; set; }
//Display in 24 hour notation. E.g. 29/04/1986 13:00:00
//3.1.3.
////[DisplayFormat(DataFormatString = "{0:dd/MM/yyyy hh:mm:ss tt}")]
////public Nullable<System.DateTime> DateOfBirth { get; set; }
//Display in 12 hour notation. E.g. 29/04/1986 1:00:00 PM
//3.2.
///[DataType(DataType....)]
//3.2.1.
///[DataType(DataType.Date)]
///public Nullable<System.DateTime> DateOfBirth { get; set; }
//Display only date part
//Please be aware, it actually covert DateTime to Date.
//so Views/Shared/EditorTemplates/DateTime.cshtml will not Work.
//3.2.2.
///[DataType(DataType.Time)]
///public Nullable<System.DateTime> DateOfBirth { get; set; }
//Display only 12 hour notation Time part
//Please be aware, it actually covert DateTime to Date.
//so Views/Shared/EditorTemplates/DateTime.cshtml will not Work.
//[DataType(DataType.Date)] //Views/Shared/EditorTemplates/DateTime.cshtml will not Work.
//[DisplayFormat(DataFormatString = "{0:dd/MM/yyyy hh:mm:ss tt}")]
[DisplayFormat(DataFormatString = "{0:dd/MM/yyyy}", ApplyFormatInEditMode = true)]
public Nullable<System.DateTime> DateOfBirth { get; set; }
//5.
// Display mailto hyperlink
[DataType(DataType.EmailAddress)]
//[ReadOnly(true)]
public string EmailAddress { get; set; }
//4.
///[ScaffoldColumn(false)]
//[ScaffoldColumn(false)] attribute means it will not display the column
//when using @Html.DisplayForModel() helper.
[ScaffoldColumn(false)]
```

```
public Nullable<int> Score { get; set; }
       //8.
       //8.1.
       //In the Models/Gamer/GamerMetaData.cs
       ///[DataType(DataType.Url)]
       ///[UIHint("UrlToNewWindow")]
       ///public string ProfileUrl { get; set; }
       //[DataType(DataType.Url)] attribute will display a hyperlink.
       //[UIHint("UrlToNewWindow")] attribute specify the name of view DisplayTemplate
       //to display the property data.
       //In this case, it will look for "DisplayTemplates/UrlToNewWindow.cshtml"
       //under "Shared" folder or "Gamer" folder.
       //Use that view template to disply the data of this property.
       //8.2.
       ////<a href="@ViewData.Model" target="_blank">@ViewData.Model</a>
       //In the Shared/DisplayTemplates/UrlToNewWindow.cshtml,
       //@ViewData.Model will take the Model data from the parent view.
       //In this case, it will return a profile url.
        [DataType(DataType.Url)]
        [UIHint("UrlToNewWindow")]
       public string ProfileUrl { get; set; }
       //7.
       ///[DataType(DataType.Currency)]
       ///public Nullable<int> GameMoney { get; set; }
       //Display the currency symbol by globalization culture in web.config file.
       //7.1.
       //In System.Web tag of web.config file,
       //7.1.1.
       //<system.web> <globalization culture = "en-au" /> ...
       //Display au $ symbol.
       //7.1.2.
       //<system.web> <globalization culture = "en-uk" /> ...
       //Display UK pound symbol.
       [DataType(DataType.Currency)]
       public Nullable<int> GameMoney { get; set; }
       public Nullable<int> TeamId { get; set; }
   }
}
      -----
///[DisplayAttribute(Name="Full Name")]
///[Display(Name = "Full Name")]
//[DisplayName("Full Name")]
//public string Name { get; set; }
Display Name as "Full Name"
2.
//[DisplayFormat(NullDisplayText = "Gender not specified")]
//public string Gender { get; set; }
If gender is NULL, then display "Gender not specified".
3.
DateTime
3.1.
//[DisplayFormat(DataFormatString = "....")]
3.1.1.
```

```
////[DisplayFormat(DataFormatString = "{0:d}")]
//[DisplayFormatAttribute(DataFormatString="{0:d}")]
//public Nullable<System.DateTime> DateOfBirth { get; set; }
Display only the date part. E.g. 29/04/1986
//[DisplayFormat(DataFormatString = "{0:dd/MM/yyyy HH:mm:ss}")]
//public Nullable<System.DateTime> DateOfBirth { get; set; }
Display in 24 hour notation. E.g. 29/04/1986 13:00:00
//[DisplayFormat(DataFormatString = "{0:dd/MM/yyyy hh:mm:ss tt}")]
//public Nullable<System.DateTime> DateOfBirth { get; set; }
Display in 12 hour notation. E.g. 29/04/1986 1:00:00 PM
3.2.
//[DataType(DataType....)]
3.2.1.
//[DataType(DataType.Date)]
//public Nullable<System.DateTime> DateOfBirth { get; set; }
Display only date part
Please be aware, it actually covert DateTime to Date.
So Views/Shared/EditorTemplates/DateTime.cshtml will not Work.
3.2.2.
//[DataType(DataType.Time)]
//public Nullable<System.DateTime> DateOfBirth { get; set; }
Display only 12 hour notation Time part
Please be aware, it actually covert DateTime to Date.
So Views/Shared/EditorTemplates/DateTime.cshtml will not Work.
4.
//[ScaffoldColumn(false)]
public Nullable<int> Score { get; set; }
[ScaffoldColumn(false)] attribute means it will not display the column
when using @Html.DisplayForModel() helper
5.
//[DataType(DataType.EmailAddress)]
//public string EmailAddress { get; set; }
Display mailto hyperlink
//[DataType(DataType.Url)]
//public string ProfileUrl { get; set; }
Display hyperlink
//[DataType(DataType.Currency)]
//public Nullable<int> GameMoney { get; set; }
Display the currency symbol by globalization culture in web.config file.
7.1.
In System. Web tag of web. config file,
<system.web> <globalization culture="en-au"/> ...
Display au $ symbol.
<system.web> <globalization culture="en-uk"/> ...
Display UK pound symbol.
8.
8.1.
In the Models/Gamer/GamerMetaData.cs
//[DataType(DataType.Url)]
//[UIHint("UrlToNewWindow")]
//public string ProfileUrl { get; set; }
[DataType(DataType.Url)] attribute will display a hyperlink.
[UIHint("UrlToNewWindow")] attribute specify the name of view DisplayTemplate
to display the property data.
In this case, it will look for "DisplayTemplates/UrlToNewWindow.cshtml"
```

```
under "Shared" folder or "Gamer" folder.
Use that view template to disply the data of this property.
//<a href="@ViewData.Model" target=" blank">@ViewData.Model</a>
In the Shared/DisplayTemplates/UrlToNewWindow.cshtml,
@ViewData.Model will take the Model data from the parent view.
In this case, it will return a profile url.
//[HiddenInput(DisplayValue = false)]
//public int Id { get; set; }
[HiddenInput(DisplayValue = false)] attribute
means it will become a hidden input
When using @Html.DisplayForModel() helper or @Html.EditorForModel()
10.
//[DataType(DataType.EmailAddress)]
//[ReadOnly(true)]
//public string EmailAddress { get; set; }
[DataType(DataType.EmailAddress)] attribute display mailto hyperlink.
[ReadOnly(true)] or you may delete Setter.
It will make this property un-editable.
You may set a breakpoint to see the [HttpPost] action model for this property is null.
```

5.6. Models/Gamer/BoardGame.cs

```
using System.Data.Entity;
using System.Linq;
namespace OnlineGame.Web.Models
{
   public class BoardGame
    {
       public Gamer GameHolder
        {
            get
                using (OnlineGameContext dbContext = new OnlineGameContext())
                 {
                    return dbContext.Gamers.SingleAsync(x => x.Id == 1).Result;
                 }
            }
        }
    }
}
```

5.7. Models/Gamer/GamerA.cs

```
using System;
using System.ComponentModel;
using System.ComponentModel.DataAnnotations;
using System.Web.Mvc;
namespace OnlineGame.Web.Models
{
    public class GamerA
    {
```

```
//9.
///[HiddenInput(DisplayValue = false)]
///public int Id { get; set; }
//[HiddenInput(DisplayValue = false)] attribute
//means it will become a hidden input
//When using @Html.DisplayForModel() helper or @Html.EditorForModel()
[HiddenInput(DisplayValue = false)]
public int Id { get; set; }
//1.
///[DisplayAttribute(Name="Full Name")]
///[Display(Name = "Full Name")]
///[DisplayName("Full Name")]
//Display Name as "Full Name"
[DisplayName("Full Name")]
public string Name { get; set; }
//2.
//If gender is NULL, then display "Gender not specified".
[DisplayFormat(NullDisplayText = "Gender not specified")]
public string Gender { get; set; }
public string City { get; set; }
//3.
//DateTime
//3.1.
///[DisplayFormat(DataFormatString = "....")]
//3.1.1.
/////[DisplayFormat(DataFormatString = "{0:d}")]
////[DisplayFormatAttribute(DataFormatString="{0:d}")]
////public Nullable<System.DateTime> DateOfBirth { get; set; }
//Display only the date part. E.g. 29/04/1986
//3.1.2.
///[DisplayFormat(DataFormatString = "{0:dd/MM/yyyy HH:mm:ss}")]
///public Nullable<System.DateTime> DateOfBirth { get; set; }
//Display in 24 hour notation. E.g. 29/04/1986 13:00:00
//3.1.3.
////[DisplayFormat(DataFormatString = "{0:dd/MM/yyyy hh:mm:ss tt}")]
////public Nullable<System.DateTime> DateOfBirth { get; set; }
//Display in 12 hour notation. E.g. 29/04/1986 1:00:00 PM
//3.2.
///[DataType(DataType....)]
//3.2.1.
///[DataType(DataType.Date)]
///public Nullable<System.DateTime> DateOfBirth { get; set; }
//Display only date part
//Please be aware, it actually covert DateTime to Date.
//So Views/Shared/EditorTemplates/DateTime.cshtml will not Work.
//3.2.2.
///[DataType(DataType.Time)]
///public Nullable<System.DateTime> DateOfBirth { get; set; }
//Display only 12 hour notation Time part
//Please be aware, it actually covert DateTime to Date.
//So Views/Shared/EditorTemplates/DateTime.cshtml will not Work.
//[DataType(DataType.Date)] //Views/Shared/EditorTemplates/DateTime.cshtml will not Work.
//[DisplayFormat(DataFormatString = "{0:dd/MM/yyyy hh:mm:ss tt}")]
```

```
[DisplayFormat(DataFormatString = "{0:d}")]
public DateTime? DateOfBirth { get; set; }
//10.
///[DataType(DataType.EmailAddress)]
///[ReadOnly(true)]
///public string EmailAddress { get; set; }
//[DataType(DataType.EmailAddress)] attribute display mailto hyperlink.
//[ReadOnly(true)] or you may delete Setter.
//It will make this property un-editable.
//You may set a breakpoint to see the [HttpPost] action model for this property is null.
[DataType(DataType.EmailAddress)]
[ReadOnly(true)]
public string EmailAddress { get; set; }
//4.
///[ScaffoldColumn(false)]
//[ScaffoldColumn(false)] attribute means it will not display the column
//when using @Html.DisplayForModel() helper.
[ScaffoldColumn(false)]
public int? Score { get; set; }
//8.
//8.1.
//In the Models/Gamer/GamerMetaData.cs
///[DataType(DataType.Url)]
///[UIHint("UrlToNewWindow")]
///public string ProfileUrl { get; set; }
//[DataType(DataType.Url)] attribute will display a hyperlink.
//[UIHint("UrlToNewWindow")] attribute specify the name of view DisplayTemplate
//to display the property data.
//In this case, it will look for "DisplayTemplates/UrlToNewWindow.cshtml"
//under "Shared" folder or "Gamer" folder.
//Use that view template to disply the data of this property.
//8.2.
////<a href="@ViewData.Model" target="_blank">@ViewData.Model</a>
//In the Shared/DisplayTemplates/UrlToNewWindow.cshtml,
//@ViewData.Model will take the Model data from the parent view.
//In this case, it will return a profile url.
[DataType(DataType.Url)]
[UIHint("UrlToNewWindow")]
public string ProfileUrl { get; set; }
//7.
///[DataType(DataType.Currency)]
////public Nullable<int> GameMoney { get; set; }
//Display the currency symbol by globalization culture in web.config file.
//7.1.
//In System.Web tag of web.config file,
//7.1.1.
//<system.web> <globalization culture = "en-au" /> ...
//Display au $ symbol.
//7.1.2.
//<system.web> <globalization culture = "en-uk" /> ...
//Display UK pound symbol.
[DataType(DataType.Currency)]
public int? GameMoney { get; set; }
public int? TeamId { get; set; }
```

```
public virtual Team Team { get; set; }
}
/*
1.
///[DisplayAttribute(Name="Full Name")]
///[Display(Name = "Full Name")]
//[DisplayName("Full Name")]
//public string Name { get; set; }
Display Name as "Full Name"
2.
//[DisplayFormat(NullDisplayText = "Gender not specified")]
//public string Gender { get; set; }
If gender is NULL, then display "Gender not specified".
_____
3.
DateTime
//[DisplayFormat(DataFormatString = "....")]
///[DisplayFormat(DataFormatString = "{0:d}")]
//[DisplayFormatAttribute(DataFormatString="{0:d}")]
//public Nullable<System.DateTime> DateOfBirth { get; set; }
Display only the date part. E.g. 29/04/1986
//[DisplayFormat(DataFormatString = "{0:dd/MM/yyyy HH:mm:ss}")]
//public Nullable<System.DateTime> DateOfBirth { get; set; }
Display in 24 hour notation. E.g. 29/04/1986 13:00:00
//[DisplayFormat(DataFormatString = "{0:dd/MM/yyyy hh:mm:ss tt}")]
//public Nullable<System.DateTime> DateOfBirth { get; set; }
Display in 12 hour notation. E.g. 29/04/1986 1:00:00 PM
3.2.
//[DataType(DataType....)]
3.2.1.
//[DataType(DataType.Date)]
//public Nullable<System.DateTime> DateOfBirth { get; set; }
Display only date part
Please be aware, it actually covert DateTime to Date.
So Views/Shared/EditorTemplates/DateTime.cshtml will not Work.
3.2.2.
//[DataType(DataType.Time)]
//public Nullable<System.DateTime> DateOfBirth { get; set; }
Display only 12 hour notation Time part
Please be aware, it actually covert DateTime to Date.
So Views/Shared/EditorTemplates/DateTime.cshtml will not Work.
4.
//[ScaffoldColumn(false)]
public Nullable<int> Score { get; set; }
[ScaffoldColumn(false)] attribute means it will not display the column
when using @Html.DisplayForModel() helper
//[DataType(DataType.EmailAddress)]
//public string EmailAddress { get; set; }
Display mailto hyperlink
//[DataType(DataType.Url)]
//public string ProfileUrl { get; set; }
Display hyperlink
```

```
7.
//[DataType(DataType.Currency)]
//public Nullable<int> GameMoney { get; set; }
Display the currency symbol by globalization culture in web.config file.
In System. Web tag of web.config file,
<system.web> <globalization culture="en-au"/> ...
Display au $ symbol.
7.1.2.
<system.web> <globalization culture="en-uk"/> ...
Display UK pound symbol.
-----
8.
8.1.
In the Models/Gamer/GamerMetaData.cs
//[DataType(DataType.Url)]
//[UIHint("UrlToNewWindow")]
//public string ProfileUrl { get; set; }
[DataType(DataType.Url)] attribute will display a hyperlink.
[UIHint("UrlToNewWindow")] attribute specify the name of view DisplayTemplate
to display the property data.
In this case, it will look for "DisplayTemplates/UrlToNewWindow.cshtml"
under "Shared" folder or "Gamer" folder.
Use that view template to disply the data of this property.
//<a href="@ViewData.Model" target="_blank">@ViewData.Model</a>
In the Shared/DisplayTemplates/UrlToNewWindow.cshtml,
@ViewData.Model will take the Model data from the parent view.
In this case, it will return a profile url.
9.
//[HiddenInput(DisplayValue = false)]
//public int Id { get; set; }
[HiddenInput(DisplayValue = false)] attribute
means it will become a hidden input
When using @Html.DisplayForModel() helper or @Html.EditorForModel()
//[DataType(DataType.EmailAddress)]
//[ReadOnly(true)]
//public string EmailAddress { get; set; }
[DataType(DataType.EmailAddress)] attribute display mailto hyperlink.
[ReadOnly(true)] or you may delete Setter.
It will make this property un-editable.
You may set a breakpoint to see the [HttpPost] action model for this property is null.
*/
```

5.8. Views/Gamer/Details.cshtml

```
@model OnlineGame.Web.Models.Gamer

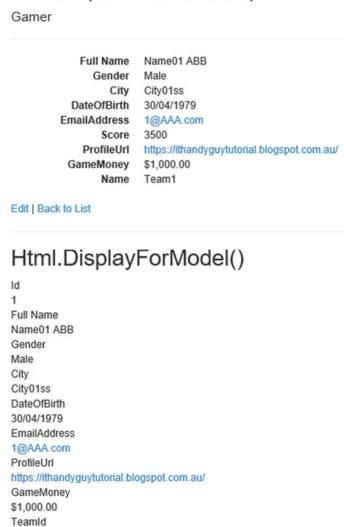
@{
    ViewBag.Title = "Details";
}
<h2>Details (Model is Gamer)</h2>
<div>
    <h4>Gamer</h4>
    <hr/>
    <hr/>
    <dl class="dl-horizontal">
        <dt>
        @Html.DisplayNameFor(model => model.Name)
```

```
</dt>
    <dd>
        Mtml.DisplayFor(model => model.Name)
    </dd>
    <dt>
        @Html.DisplayNameFor(model => model.Gender)
    </dt>
    <dd>
        MHtml.DisplayFor(model => model.Gender)
    </dd>
    <dt>
        @Html.DisplayNameFor(model => model.City)
    </dt>
    <dd>
        @Html.DisplayFor(model => model.City)
    </dd>
    <dt>
        @Html.DisplayNameFor(model => model.DateOfBirth)
    </dt>
    <dd>
        @Html.DisplayFor(model => model.DateOfBirth)
    </dd>
    <dt>
        @Html.DisplayNameFor(model => model.EmailAddress)
    </dt>
    <dd>
        @Html.DisplayFor(model => model.EmailAddress)
    </dd>
    <dt>
        @Html.DisplayNameFor(model => model.Score)
    </dt>
    <dd>
        @Html.DisplayFor(model => model.Score)
    </dd>
        @Html.DisplayNameFor(model => model.ProfileUrl)
    </dt>
    <dd>
        @Html.DisplayFor(model => model.ProfileUrl)
    </dd>
        @Html.DisplayNameFor(model => model.GameMoney)
    </dt>
    <dd>
        @Html.DisplayFor(model => model.GameMoney)
    </dd>
        @Html.DisplayNameFor(model => model.Team.Name)
    </dt>
    <dd>
        @Html.DisplayFor(model => model.Team.Name)
    </dd>
</dl>
```

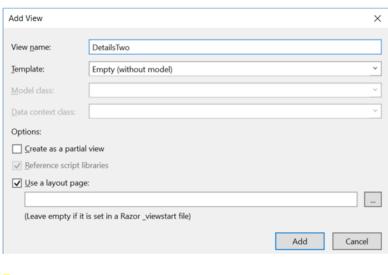
```
</div>
>
   @Html.ActionLink("Edit", "Edit", new { id = Model.Id }) |
   @Html.ActionLink("Back to List", "Index")
<hr/>/>
<h2>Html.DisplayForModel()</h2>
@Html.DisplayForModel()
@*
1.
//@Html.DisplayNameFor(model => model.Name)
It will display "Full Name",
because Name property in Gamer has [DisplayName("Full Name")] attribute.
//@Html.DisplayFor(model => model.Name)
It will display "Name02 CDDE"
2.
//@Html.DisplayForModel()
It will display everything
except the properties with [ScaffoldColumn(false)] attribute.
//@Html.ActionLink("Back to List", "Index")
It will create
//<a href="/Gamer/Index">Back to List</a>
There are 2 categories of built-in templated helpers.
-----
4.1.
Display Templates
4.1.1.
//@Html.DisplayFor(model => model.Name)
The view must have strongly typed view Model.
It can work with the complex type Model property.
It is similar to @Html.DisplayTextFor(model => model.GameHolder)
//@Html.DisplayTextFor(model => model.GameHolder)
model.GameHolder will return a Gamer object.
The Gamer class has [DisplayColumn("Name")] attribute,
so it will display Gamer Name property value
which is the full name of that gamer.
4.1.2.
//@Html.DisplayForModel()
The view must have strongly typed view Model.
It will display every property in view model
except the properties with [ScaffoldColumn(false)] attribute.
4.1.3.
@Html.Display helper does not need strongly typed view Mode.
//ViewData["GamerData"] = gamer;
//return View();
In the controller, we put the gamer object into ViewData["GamerData"]
"GamerData" in this case is the key of ViewData.
ViewData["GamerData"] contains that gamer object data,
so we don't have to use a view model.
//@Html.Display("GamerData")
In the view, we use @Html.Display("GamerData")
to retrieve the Gamer data from ViewData["GamerData"].
It will display everything
except the properties with [ScaffoldColumn(false)] attribute.
_____
4.2.
Display Templates
```

```
4.2.1.
//@Html.EditorFor(model => model.Name)
The view must have strongly typed view Model.
It will create a textbox for the property value input.
4.2.2.
//@Html.EditorForModel()
The view must have strongly typed view Model.
It will create textbox input for every properties in view model
except the properties with [ScaffoldColumn(false)] attribute.
4.2.3.
@Html.Editor helper does not need strongly typed view Mode.
//ViewData["GamerData"] = gamer;
//return View();
In the controller, we put the gamer object into ViewData["GamerData"]
"GamerData" in this case is the key of ViewData.
ViewData["GamerData"] contains that gamer object data,
so we don't have to use a view model.
//@Html.Editor("GamerData")
In the view, we use @Html.Editor("GamerData")
to retrieve the Gamer data from ViewData["GamerData"].
It will create textbox input for every properties in ViewData["GamerData"]
except the properties with [ScaffoldColumn(false)] attribute.
However, we pressed submit button and call the [HttpPost] action
//public async Task<ActionResult> EditThree(int id, string name, string gender, string city, DateTime?
dateOfBirth, string emailAddress, int? score, string profileUrl, int? gameMoney, int? teamId)
//public async Task<ActionResult> EditThree(Gamer gamer)
Both ways can not retrieve the data because it is not strongly typed.
I don't suggest to use @Html.Editor helper
*@
```

Details (Model is Gamer)



5.9. Views/Gamer/DetailsTwo.cshtml (Display Complex Type Sample)



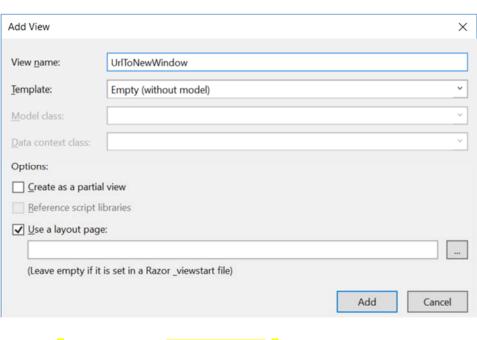
```
@using OnlineGame.Web.Models
@model BoardGame
@{
    ViewBag.Title = "DetailsTwo";
}
```

```
<h2>Display Complex Type Sample</h2>
@Html.DisplayTextFor(model => model.GameHolder)
@*
@Html.DisplayTextFor(model => model.GameHolder)
model.GameHolder will return a Gamer object.
The Gamer class has [DisplayColumn("Name")] attribute,
so it will display Gamer Name property value
which is the full name of that gamer.
**
```

Display Complex Type Sample

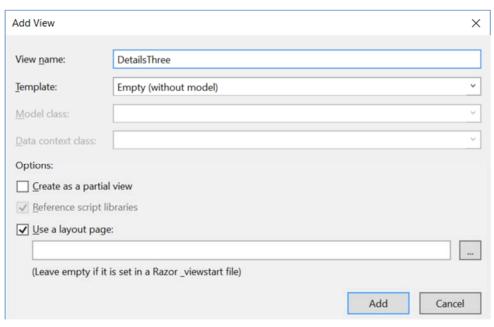
Name01 ABB

5.10. Views/Shared/DisplayTemplates/UrlToNewWindow.cshtml (UIHint Sample)



```
<a href="@ViewData.Model" target="_blank">@ViewData.Model</a>
1.
//target="_blank"
measn open the link to new windows.
8.1.
In the Models/Gamer/GamerMetaData.cs
//[DataType(DataType.Url)]
//[UIHint("UrlToNewWindow")]
//public string ProfileUrl { get; set; }
[DataType(DataType.Url)] attribute will display a hyperlink.
[UIHint("UrlToNewWindow")] attribute specify the name of view DisplayTemplate
to display the property data.
In this case, it will look for "DisplayTemplates/UrlToNewWindow.cshtml"
under "Shared" folder or "Gamer" folder.
Use that view template to disply the data of this property.
//<a href="@ViewData.Model" target="_blank">@ViewData.Model</a>
In the Shared/DisplayTemplates/UrlToNewWindow.cshtml,
@ViewData.Model will take the Model data from the parent view.
```

5.11. Views/Gamer/DetailsThree.cshtml ([HiddenInput(DisplayValue = false)], [ReadOnly(true)])



```
@model OnlineGame.Web.Models.GamerA
    ViewBag.Title = "DetailsThree";
<h2>DetailsThree</h2>
<h2>Details (Model is GamerA)</h2>
   <h4>Gamer</h4>
   <hr />
   <dl class="dl-horizontal">
       <dt>
            @Html.DisplayNameFor(model => model.Name)
       </dt>
        <dd>>
            @Html.DisplayFor(model => model.Name)
       </dd>
       <dt>
            @Html.DisplayNameFor(model => model.Gender)
       </dt>
        <dd>>
            @Html.DisplayFor(model => model.Gender)
       </dd>
       <dt>
            @Html.DisplayNameFor(model => model.City)
       </dt>
        <dd>>
            @Html.DisplayFor(model => model.City)
       </dd>
```

```
<dt>
            @Html.DisplayNameFor(model => model.DateOfBirth)
       </dt>
        <dd>
            @Html.DisplayFor(model => model.DateOfBirth)
       </dd>
       <dt>
            @Html.DisplayNameFor(model => model.EmailAddress)
       </dt>
        <dd>
            @Html.DisplayFor(model => model.EmailAddress)
       </dd>
       <dt>
            @Html.DisplayNameFor(model => model.Score)
       </dt>
       <dd>>
            @Html.DisplayFor(model => model.Score)
       </dd>
       <dt>
            @Html.DisplayNameFor(model => model.ProfileUrl)
       </dt>
        <dd>>
            @Html.DisplayFor(model => model.ProfileUrl)
       </dd>
       <dt>
            @Html.DisplayNameFor(model => model.GameMoney)
       </dt>
        <dd>>
            @Html.DisplayFor(model => model.GameMoney)
       </dd>
       <dt>
            @Html.DisplayNameFor(model => model.Team.Name)
       </dt>
        <dd>>
            @Html.DisplayFor(model => model.Team.Name)
       </dd>
   </dl>
</div>
>
   @Html.ActionLink("Edit", "Edit", new { id = Model.Id }) |
   @Html.ActionLink("Back to List", "Index")
<hr/>/>
<h2>Html.DisplayForModel()</h2>
@Html.DisplayForModel()
@*
4.
There are 2 categories of built-in templated helpers.
4.1.
Display Templates
//@Html.DisplayFor(model => model.Name)
The view must have strongly typed view Model.
It can work with the complex type Model property.
```

```
It is similar to @Html.DisplayTextFor(model => model.GameHolder)
//@Html.DisplayTextFor(model => model.GameHolder)
model.GameHolder will return a Gamer object.
The Gamer class has [DisplayColumn("Name")] attribute,
so it will display Gamer Name property value
which is the full name of that gamer.
4.1.2.
//@Html.DisplayForModel()
The view must have strongly typed view Model.
It will display every property in view model
except the properties with [ScaffoldColumn(false)] attribute.
4.1.3.
@Html.Display helper does not need strongly typed view Mode.
//ViewData["GamerData"] = gamer;
//return View();
In the controller, we put the gamer object into ViewData["GamerData"]
"GamerData" in this case is the key of ViewData.
ViewData["GamerData"] contains that gamer object data,
so we don't have to use a view model.
//@Html.Display("GamerData")
In the view, we use @Html.Display("GamerData")
to retrieve the Gamer data from ViewData["GamerData"].
It will display everything
except the properties with [ScaffoldColumn(false)] attribute.
-----
4.2.
Display Templates
-----
4.2.1.
//@Html.EditorFor(model => model.Name)
The view must have strongly typed view Model.
It will create a textbox for the property value input.
4.2.2.
//@Html.EditorForModel()
The view must have strongly typed view Model.
It will create textbox input for every properties in view model
except the properties with [ScaffoldColumn(false)] attribute.
@Html.Editor helper does not need strongly typed view Mode.
//ViewData["GamerData"] = gamer;
//return View();
In the controller, we put the gamer object into ViewData["GamerData"]
"GamerData" in this case is the key of ViewData.
ViewData["GamerData"] contains that gamer object data,
so we don't have to use a view model.
//@Html.Editor("GamerData")
In the view, we use @Html.Editor("GamerData")
to retrieve the Gamer data from ViewData["GamerData"].
It will create textbox input for every properties in ViewData["GamerData"]
except the properties with [ScaffoldColumn(false)] attribute.
However, we pressed submit button and call the [HttpPost] action
//public async Task<ActionResult> EditThree(int id, string name, string gender, string city, DateTime?
dateOfBirth, string emailAddress, int? score, string profileUrl, int? gameMoney, int? teamId)
//public async Task<ActionResult> EditThree(Gamer gamer)
Both ways can not retrieve the data because it is not strongly typed.
I don't suggest to use @Html.Editor helper
*@
```

DetailsThree

Details (Model is GamerA)

Gamer

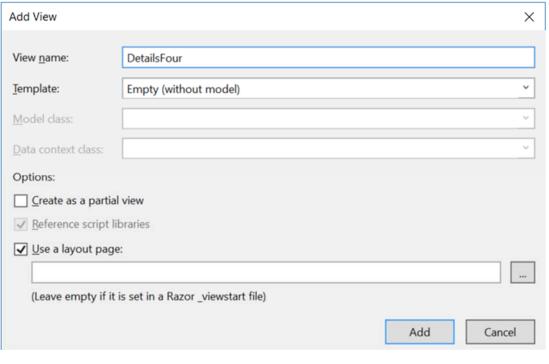
Full Name Name01 ABB
Gender Male
City City01ss
DateOfBirth 30/04/1979
EmailAddress 1@AAA.com
Score 3500
ProfileUrl https://ithandyguytutorial.blogspot.com.au/
GameMoney \$1,000.00
Name

Edit | Back to List

Html.DisplayForModel()

Full Name Name01 ABB Gender Male City City01ss DateOfBirth 30/04/1979 EmailAddress 1@AAA.com ProfileUrl https://ithandyguytutorial.blogspot.com.au/ GameMoney \$1,000.00 Teamld 1

5.12. Views/Gamer/DetailsFour.cshtml (@Html.Display("GamerData"))



```
ViewBag.Title = "DetailsFour";
}
<h2>Html.Display("GamerData")</h2>
@Html.Display("GamerData")
@*
4.
There are 2 categories of built-in templated helpers.
Display Templates
4.1.1.
//@Html.DisplayFor(model => model.Name)
The view must have strongly typed view Model.
It can work with the complex type Model property.
It is similar to @Html.DisplayTextFor(model => model.GameHolder)
//@Html.DisplayTextFor(model => model.GameHolder)
model.GameHolder will return a Gamer object.
The Gamer class has [DisplayColumn("Name")] attribute,
so it will display Gamer Name property value
which is the full name of that gamer.
4.1.2.
//@Html.DisplayForModel()
The view must have strongly typed view Model.
It will display every property in view model
except the properties with [ScaffoldColumn(false)] attribute.
4.1.3.
@Html.Display helper does not need strongly typed view Mode.
//ViewData["GamerData"] = gamer;
//return View();
In the controller, we put the gamer object into ViewData["GamerData"]
"GamerData" in this case is the key of ViewData.
ViewData["GamerData"] contains that gamer object data,
so we don't have to use a view model.
//@Html.Display("GamerData")
In the view, we use @Html.Display("GamerData")
to retrieve the Gamer data from ViewData["GamerData"].
It will display everything
except the properties with [ScaffoldColumn(false)] attribute.
```

```
______
4.2.
Display Templates
_____
//@Html.EditorFor(model => model.Name)
The view must have strongly typed view Model.
It will create a textbox for the property value input.
4.2.2.
//@Html.EditorForModel()
The view must have strongly typed view Model.
It will create textbox input for every properties in view model
except the properties with [ScaffoldColumn(false)] attribute.
4.2.3.
@Html.Editor helper does not need strongly typed view Mode.
//ViewData["GamerData"] = gamer;
//return View();
In the controller, we put the gamer object into ViewData["GamerData"]
"GamerData" in this case is the key of ViewData.
ViewData["GamerData"] contains that gamer object data,
so we don't have to use a view model.
//@Html.Editor("GamerData")
In the view, we use @Html.Editor("GamerData")
to retrieve the Gamer data from ViewData["GamerData"].
It will create textbox input for every properties in ViewData["GamerData"]
except the properties with [ScaffoldColumn(false)] attribute.
However, we pressed submit button and call the [HttpPost] action
//public async Task<ActionResult> EditThree(int id, string name, string gender, string city, DateTime?
dateOfBirth, string emailAddress, int? score, string profileUrl, int? gameMoney, int? teamId)
//public async Task<ActionResult> EditThree(Gamer gamer)
Both ways can not retrieve the data because it is not strongly typed.
I don't suggest to use @Html.Editor helper
```

Html.Display("GamerData")

1 Full Name Name01 ABB Gender Male City City01ss DateOfBirth

ld

30/04/1979 EmailAddress

1@AAA.com

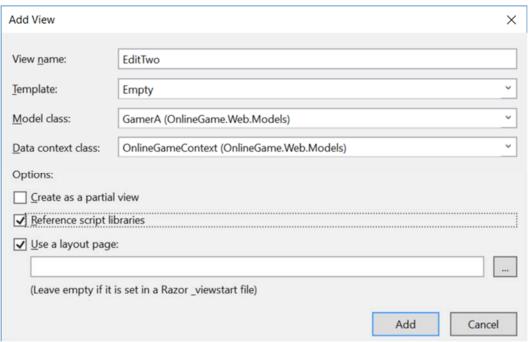
Drofielis

ProfileUrl

https://ithandyguytutorial.blogspot.com.au/

GameMoney \$1,000.00 TeamId 1

5.13. Views/Gamer/EditTwo.cshtml ([HiddenInput(DisplayValue = false)], [ReadOnly(true)])



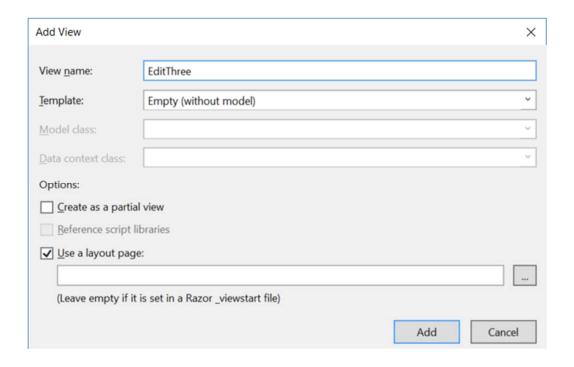
```
@model OnlineGame.Web.Models.GamerA
@{
    ViewBag.Title = "EditTwo";
<h2>EditTwo</h2>
@using (Html.BeginForm("EditTwo", "Gamer"))
   <mark>@</mark>Html.EditorForModel()
   <br />
   <input type="submit" value="Save" />
@*
There are 2 categories of built-in templated helpers.
Display Templates
//@Html.DisplayFor(model => model.Name)
The view must have strongly typed view Model.
It can work with the complex type Model property.
It is similar to @Html.DisplayTextFor(model => model.GameHolder)
//@Html.DisplayTextFor(model => model.GameHolder)
model.GameHolder will return a Gamer object.
The Gamer class has [DisplayColumn("Name")] attribute,
so it will display Gamer Name property value
which is the full name of that gamer.
//@Html.DisplayForModel()
The view must have strongly typed view Model.
It will display every property in view model
except the properties with [ScaffoldColumn(false)] attribute.
```

```
4.1.3.
@Html.Display helper does not need strongly typed view Mode.
//ViewData["GamerData"] = gamer;
//return View();
In the controller, we put the gamer object into ViewData["GamerData"]
"GamerData" in this case is the key of ViewData.
ViewData["GamerData"] contains that gamer object data,
so we don't have to use a view model.
//@Html.Display("GamerData")
In the view, we use @Html.Display("GamerData")
to retrieve the Gamer data from ViewData["GamerData"].
It will display everything
except the properties with [ScaffoldColumn(false)] attribute.
-----
4.2.
Display Templates
-----
4.2.1.
//@Html.EditorFor(model => model.Name)
The view must have strongly typed view Model.
It will create a textbox for the property value input.
4.2.2.
//@Html.EditorForModel()
The view must have strongly typed view Model.
It will create textbox input for every properties in view model
except the properties with [ScaffoldColumn(false)] attribute.
@Html.Editor helper does not need strongly typed view Mode.
//ViewData["GamerData"] = gamer;
//return View();
In the controller, we put the gamer object into ViewData["GamerData"]
"GamerData" in this case is the key of ViewData.
ViewData["GamerData"] contains that gamer object data,
so we don't have to use a view model.
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In the view, we use @Html.Editor("GamerData")
to retrieve the Gamer data from ViewData["GamerData"].
It will create textbox input for every properties in ViewData["GamerData"]
except the properties with [ScaffoldColumn(false)] attribute.
However, we pressed submit button and call the [HttpPost] action
//public async Task<ActionResult>
EditThree(int id, string name, string gender, string city, DateTime? dateOfBirth, string emailAddress,
int? score, string profileUrl, int? gameMoney, int? teamId)
//public async Task<ActionResult>
EditThree(Gamer gamer)
Both ways can not retrieve the data because it is not strongly typed.
I don't suggest to use @Html.Editor helper
```

EditTwo

Full Name	
Name01 ABB	
Gender	
Male	
City	
City01ss	
DateOfBirth	
30/04/1979 12:00:00 AM	OnlineGame.Web.Models.GamerA {0:d}
EmailAddress	
1@AAA.com	
ProfileUrl	
https://ithandyguytutorial.	
GameMoney	
1000	
Teamld	
1	
Save	
*******	*****************

5.14. Views/Gamer/EditThree.cshtml



```
ViewBag.Title = "EditThree";
}
<h2>Html.Editor("GamerData")</h2>
@using (Html.BeginForm("EditThree", "Gamer"))
{

@Html.Editor("GamerData")
   <br />
   <br />
   <input type="submit" value="Save" />
}
@*
4.
There are 2 categories of built-in templated helpers.
4.1.
Display Templates
4.1.1.
//@Html.DisplayFor(model => model.Name)
The view must have strongly typed view Model.
It can work with the complex type Model property.
It is similar to @Html.DisplayTextFor(model => model.GameHolder)
//@Html.DisplayTextFor(model => model.GameHolder)
model.GameHolder will return a Gamer object.
The Gamer class has [DisplayColumn("Name")] attribute,
so it will display Gamer Name property value
which is the full name of that gamer.
-----
4.1.2.
//@Html.DisplayForModel()
The view must have strongly typed view Model.
It will display every property in view model
except the properties with [ScaffoldColumn(false)] attribute.
4.1.3.
@Html.Display helper does not need strongly typed view Mode.
//ViewData["GamerData"] = gamer;
//return View();
In the controller, we put the gamer object into ViewData["GamerData"]
"GamerData" in this case is the key of ViewData.
ViewData["GamerData"] contains that gamer object data,
so we don't have to use a view model.
//@Html.Display("GamerData")
In the view, we use @Html.Display("GamerData")
to retrieve the Gamer data from ViewData["GamerData"].
It will display everything
except the properties with [ScaffoldColumn(false)] attribute.
4.2.
Display Templates
4.2.1.
//@Html.EditorFor(model => model.Name)
The view must have strongly typed view Model.
It will create a textbox for the property value input.
4.2.2.
//@Html.EditorForModel()
The view must have strongly typed view Model.
It will create textbox input for every properties in view model
except the properties with [ScaffoldColumn(false)] attribute.
4.2.3.
@Html.Editor helper does not need strongly typed view Mode.
//ViewData["GamerData"] = gamer;
```

```
//return View();
In the controller, we put the gamer object into ViewData["GamerData"]
"GamerData" in this case is the key of ViewData.
ViewData["GamerData"] contains that gamer object data,
so we don't have to use a view model.
//@Html.Editor("GamerData")
In the view, we use @Html.Editor("GamerData")
to retrieve the Gamer data from ViewData["GamerData"].
It will create textbox input for every properties in ViewData["GamerData"]
except the properties with [ScaffoldColumn(false)] attribute.
However, we pressed submit button and call the [HttpPost] action
//public async Task<ActionResult>
EditThree(int id, string name, string gender, string city, DateTime? dateOfBirth, string emailAddress,
int? score, string profileUrl, int? gameMoney, int? teamId)
//public async Task<ActionResult>
EditThree(Gamer gamer)
Both ways can not retrieve the data because it is not strongly typed.
I don't suggest to use @Html.Editor helper
```

Html.Editor("GamerData")

Save

Id 1 Full Name Name01 ABB Gender Male City City01ss Date0fBirth 30/04/1979 EmailAddress 1@AAA.com ProfileUrl https://ithandyguytutorial GameMoney 1000 TeamId	System.Data.Entity.DynamicProxies.Gamer_88DD630DA012D23F069296887D11B7AD47814FD0A6804BB375C5F941D3AA4925 (0:dd/MM/yyyy
Teamld 1	

5.15. Views/Shared/EditorTemplates/DateTime.cshtml

```
@Html.TextBox("", (Model.HasValue ?
@ViewData.TemplateInfo.FormattedModelValue : string.Empty), new { @class = "date" })

@ViewData.ModelMetadata.ContainerType.ToString()
@*OnlineGame.Web.Models.Gamer*@
@*{0:dd/MM/yyyy}}*@
<script type="text/javascript">
    $(function() {
        $("input:text.date").datepicker(
               //dateFormat: "yy/mm/dd"
                dateFormat: "dd/mm/yy"
            });
   });
</script>
10. EditorTemplates and DisplayTemplates by MVC convention
10.1.
DisplayTemplates
10.1.1.
Views\Shared\DisplayTemplates\UrlToNewWindow.cshtml
Views\Gamer\DisplayTemplates\UrlToNewWindow.cshtml
UrlToNewWindow.cshtml is the DisplayTemplate which must under "DisplayTemplates" folder.
Views\Shared\DisplayTemplates\UrlToNewWindow.cshtml means
the template is available for all the views.
Views\Gamer\DisplayTemplates\UrlToNewWindow.cshtml means
the template is available for only the views of Gamer controller.
10.1.2.
Using DisplayTemplates
10.1.2.1.
In the Models/Gamer/GamerMetaData.cs
//[DataType(DataType.Url)]
//[UIHint("UrlToNewWindow")]
//public string ProfileUrl { get; set; }
[DataType(DataType.Url)] attribute will display a hyperlink.
[UIHint("UrlToNewWindow")] attribute specify the name of view DisplayTemplate
to display the property data.
In this case, it will look for "DisplayTemplates/UrlToNewWindow.cshtml"
under "Shared" folder or "Gamer" folder.
Use that view template to disply the data of this property.
10.1.2.2.
//<a href="@ViewData.Model" target="_blank">@ViewData.Model</a>
In the Shared/DisplayTemplates/UrlToNewWindow.cshtml,
@ViewData.Model will take the Model data from the parent view.
In this case, it will return a profile url.
10.2.
EditorTemplates
10.2.1.
Views\Shared\EditorTemplates\DateTime.cshtml
Views\Gamer\EditorTemplates\DateTime.cshtml
DateTime.cshtml is the EditorTemplate which must under "EditorTemplates" folder.
Views\Shared\EditorTemplates\DateTime.cshtml means
the template is available for all the views.
Views\Gamer\EditorTemplates\DateTime.cshtml means
the template is available for only the views of Gamer controller.
10.2.2.
Using EditorTemplates
The EditorTemplate Name must match View Model property Type Name.
E.g. DateTime.ascx or DateTime.cshtml
10.2.2.1.
In the Models/Gamer/GamerMetaData.cs
////[DataType(DataType.Date)] //Views/Shared/EditorTemplates/DateTime.cshtml will not Work.
////[DisplayFormat(DataFormatString = "{0:dd/MM/yyyy hh:mm:ss tt}")]
//[DisplayFormat(DataFormatString = "{0:d}")]
//public Nullable<System.DateTime> DateOfBirth { get; set; }
The type is DateTime, so it will look for the EditorTemplate from
```

```
Views\Shared\EditorTemplates\DateTime.cshtml or
Views\Gamer\EditorTemplates\DateTime.cshtml
In this case, Views\Shared\EditorTemplates\DateTime.cshtml will be the EditorTemplate.
The View Model Property in Edit mode will use the EditorTemplate to display.
In this case,
//@model DateTime?
//@Html.TextBox("", (Model.HasValue ? Model.Value.ToString("yyyy/MM/dd") : string.Empty), new { @class =
So it will add the class="date" to the textbox input.
10.2.2.2.
In the Edit.cshtml
//<link href="~/Content/themes/base/jquery-ui.min.css" rel="stylesheet" />
//<link href="~/Content/bootstrap.css" rel="stylesheet" />
//<script src="~/Scripts/jquery-1.12.4.min.js"></script>
//<script src="~/Scripts/jquery-ui-1.12.1.min.js"></script>
//<script src="~/Scripts/bootstrap.min.js"></script>
//<script type="text/javascript">
      $(function () {
//
          $("input:text.date").datepicker(
//
//
                  dateFormat: "yy/mm/dd"
//
              });
//
      });
//</script>
```

5.16. Views/Gamer/Edit.cshtml

```
@model OnlineGame.Web.Models.Gamer
@{
    ViewBag.Title = "Edit";
<link href="~/Content/themes/base/jquery-ui.min.css" rel="stylesheet" />
<link href="~/Content/bootstrap.css" rel="stylesheet" />
<script src="~/Scripts/jquery-1.12.4.min.js"></script>
<script src="~/Scripts/jquery-ui-1.12.1.min.js"></script>
<script src="~/Scripts/bootstrap.min.js"></script>
<script src="~/Scripts/jquery.validate.min.js"></script>
<script src="~/Scripts/jquery.validate.unobtrusive.min.js"></script>
<h2>Edit</h2>
@using (Html.BeginForm())
{
   @Html.AntiForgeryToken()
   <div class="form-horizontal">
       <h4>Gamer</h4>
       <hr/>/>
       @Html.ValidationSummary(true, "", new { @class = "text-danger" })
       @Html.HiddenFor(model => model.Id)
        <div class="form-group">
            <mark>@</mark>Html.LabelFor(model => model.Name, htmlAttributes: new {  @class = "control-label col-md-2" })
            <div class="col-md-10">
                @Html.EditorFor(model => model.Name, new { htmlAttributes = new { @class = "form-
control" } })
                @Html.ValidationMessageFor(model => model.Name, "", new { @class = "text-danger" })
            </div>
        </div>
```

```
<div class="form-group">
            @Html.LabelFor(model => model.Gender, htmlAttributes: new { @class = "control-label col-md-2" })
            <div class="col-md-10">
                MHtml.EditorFor(model => model.Gender, new { htmlAttributes = new { @class = "form-
control" } })
                @Html.ValidationMessageFor(model => model.Gender, "", new { @class = "text-danger" })
            </div>
        </div>
        <div class="form-group">
            @Html.LabelFor(model => model.City, htmlAttributes: new { @class = "control-label col-md-2" })
            <div class="col-md-10">
                @Html.EditorFor(model => model.City, new { htmlAttributes = new { @class = "form-
control" } })
                @Html.ValidationMessageFor(model => model.City, "", new { @class = "text-danger" })
            </div>
        </div>
        <div class="form-group">
            OHTML.LabelFor(model => model.DateOfBirth, htmlAttributes: new { @class = "control-label col-
md-2" })
            <div class="col-md-10">
                @Html.EditorFor(model => model.DateOfBirth, new { htmlAttributes = new { @class = "form-
control" } })
                @Html.ValidationMessageFor(model => model.DateOfBirth, "", new { @class = "text-danger" })
            </div>
        </div>
        <div class="form-group">
            <mark>@</mark>Html.LabelFor(model => model.EmailAddress, htmlAttributes: new {  @class = "control-label col-
md-2" })
            <div class="col-md-10">
                @Html.EditorFor(model => model.EmailAddress, new { htmlAttributes = new { @class = "form-
control" } })
                @Html.ValidationMessageFor(model => model.EmailAddress, "", new { @class = "text-danger" })
            </div>
        </div>
        <div class="form-group">
            <mark>@</mark>Html.LabelFor(model => model.Score, htmlAttributes: new {    @class = "control-label col-md-2" })
            <div class="col-md-10">
                @Html.EditorFor(model => model.Score, new { htmlAttributes = new { @class = "form-
control" } })
                @Html.ValidationMessageFor(model => model.Score, "", new { @class = "text-danger" })
            </div>
        </div>
        <div class="form-group">
            <code>@Html.LabelFor(model => model.ProfileUrl, htmlAttributes: new { @class = "control-label col-md-</code>
2" })
            <div class="col-md-10">
                @Html.EditorFor(model => model.ProfileUrl, new { htmlAttributes = new { @class = "form-
control" } })
                @Html.ValidationMessageFor(model => model.ProfileUrl, "", new { @class = "text-danger" })
            </div>
        </div>
        <div class="form-group">
```

```
<mark>@</mark>Html.LabelFor(model => model.GameMoney, htmlAttributes: new {  @class = "control-label col-md-
2" })
            <div class="col-md-10">
                @Html.EditorFor(model => model.GameMoney, new { htmlAttributes = new { @class = "form-
control" } })
                @Html.ValidationMessageFor(model => model.GameMoney, "", new { @class = "text-danger" })
            </div>
       </div>
        <div class="form-group">
            <mark>@</mark>Html.LabelFor(model => model.TeamId, "TeamId", htmlAttributes: new {    @class = "control-label
col-md-2" })
            <div class="col-md-10">
                @Html.DropDownList("TeamId", null, htmlAttributes: new { @class = "form-control" })
                @Html.ValidationMessageFor(model => model.TeamId, "", new { @class = "text-danger" })
            </div>
        </div>
        <div class="form-group">
            <div class="col-md-offset-2 col-md-10">
                <input type="submit" value="Save" class="btn btn-default" />
            </div>
       </div>
   </div>
}
<div>
   @Html.ActionLink("Back to List", "Index")
</div>
@*
1.
//@Html.HiddenFor(model => model.Name, new { htmlAttributes = new { @class = "form-control" } })
It will create the following.
//<input data-val="true" data-val-required="The Name field is required." htmlattributes="{ class = form-
control }" id="Name" name="Name" type="hidden" value="Name01 ABB">
//@Html.DisplayFor(model => model.Name, new { htmlAttributes = new { @class = "form-control" } })
It will create the following.
//Name01 ABB
1.3.
//@Html.EditorFor(model => model.Name, new {htmlAttributes = new {@class = "form-control"}})
It will create the following.
//<input class="form-control text-box single-line valid" id="Name" name="Name" type="text" value="Name01
ABB">
4.
There are 2 categories of built-in templated helpers.
4.1.
Display Templates
//@Html.DisplayFor(model => model.Name)
The view must have strongly typed view Model.
It can work with the complex type Model property.
It is similar to @Html.DisplayTextFor(model => model.GameHolder)
//@Html.DisplayTextFor(model => model.GameHolder)
model.GameHolder will return a Gamer object.
The Gamer class has [DisplayColumn("Name")] attribute,
so it will display Gamer Name property value
which is the full name of that gamer.
4.1.2.
```

```
//@Html.DisplayForModel()
The view must have strongly typed view Model.
It will display every property in view model
except the properties with [ScaffoldColumn(false)] attribute.
4.1.3.
@Html.Display helper does not need strongly typed view Mode.
//ViewData["GamerData"] = gamer;
//return View();
In the controller, we put the gamer object into ViewData["GamerData"]
"GamerData" in this case is the key of ViewData.
ViewData["GamerData"] contains that gamer object data,
so we don't have to use a view model.
//@Html.Display("GamerData")
In the view, we use @Html.Display("GamerData")
to retrieve the Gamer data from ViewData["GamerData"].
It will display everything
except the properties with [ScaffoldColumn(false)] attribute.
4.2.
Display Templates
4.2.1.
//@Html.EditorFor(model => model.Name)
The view must have strongly typed view Model.
It will create a textbox for the property value input.
4.2.2.
//@Html.EditorForModel()
The view must have strongly typed view Model.
It will create textbox input for every properties in view model
except the properties with [ScaffoldColumn(false)] attribute.
-----
4.2.3.
@Html.Editor helper does not need strongly typed view Mode.
//ViewData["GamerData"] = gamer;
//return View();
In the controller, we put the gamer object into ViewData["GamerData"]
"GamerData" in this case is the key of ViewData.
ViewData["GamerData"] contains that gamer object data,
so we don't have to use a view model.
//@Html.Editor("GamerData")
In the view, we use @Html.Editor("GamerData")
to retrieve the Gamer data from ViewData["GamerData"].
It will create textbox input for every properties in ViewData["GamerData"]
except the properties with [ScaffoldColumn(false)] attribute.
However, we pressed submit button and call the [HttpPost] action
//public async Task<ActionResult>
EditThree(int id, string name, string gender, string city, DateTime? dateOfBirth, string emailAddress,
int? score, string profileUrl, int? gameMoney, int? teamId)
//public async Task<ActionResult>
EditThree(Gamer gamer)
Both ways can not retrieve the data because it is not strongly typed.
I don't suggest to use @Html.Editor helper
*@
```

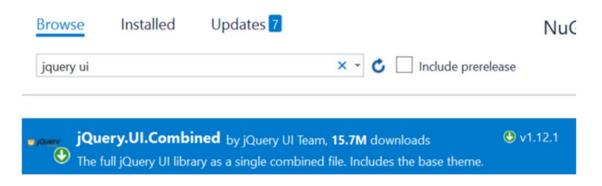
Edit

Gamer

Full Name	Nan	ne01	ABB					
Gender	Mal	е						
City	City	01ss						
DateOfBirth	30/04	/1979			×	Online	Gam	ne.Web.Models.Gamer {0:dd/MM/y
EmailAddress	0		Ap	ril 19	79			
	Su	Мо	Tu	We	Th	Fr	Sa	
Score	1	2	3	4	5	6	7	
	8	9	10	11	12	13	14	
ProfileUrl	15	16	17	18	19	20	21	ım.aı
	22	23	24	25	26	27	28	
GameMoney	29	30						
Teamld	Tea	Team1					<u> </u>	
	Sav	е						
Back to List								

5.17. Add Jquery UI

Install Jquery UI from NuGet Package



5.18. Views/Gamer/Create.cshtml

```
@model OnlineGame.Web.Models.Gamer
@{
    ViewBag.Title = "Create";
}
<h2>Create</h2>
@using (Html.BeginForm())
```

```
{
   @Html.AntiForgeryToken()
   <div class="form-horizontal">
        <h4>Gamer</h4>
        <hr/>/>
       @Html.ValidationSummary(true, "", new { @class = "text-danger" })
        <div class="form-group">
            @Html.LabelFor(model => model.Name, htmlAttributes: new { @class = "control-label col-md-2" })
            <div class="col-md-10">
                @Html.EditorFor(model => model.Name, new { htmlAttributes = new { @class = "form-
control" } })
                @Html.ValidationMessageFor(model => model.Name, "", new { @class = "text-danger" })
            </div>
        </div>
        <div class="form-group">
            MHtml.LabelFor(model => model.Gender, htmlAttributes: new { @class = "control-label col-md-2" })
            <div class="col-md-10">
                @Html.EditorFor(model => model.Gender, new { htmlAttributes = new { @class = "form-
control" } })
                @Html.ValidationMessageFor(model => model.Gender, "", new { @class = "text-danger" })
            </div>
        </div>
        <div class="form-group">
            @Html.LabelFor(model => model.City, htmlAttributes: new { @class = "control-label col-md-2" })
            <div class="col-md-10">
                @Html.EditorFor(model => model.City, new { htmlAttributes = new { @class = "form-
control" } })
                @Html.ValidationMessageFor(model => model.City, "", new { @class = "text-danger" })
            </div>
        </div>
        <div class="form-group">
            <code>@Html.LabelFor(model => model.DateOfBirth, htmlAttributes: new { @class = "control-label col-</code>
md-2" })
            <div class="col-md-10">
                MHtml.EditorFor(model => model.DateOfBirth, new { htmlAttributes = new { @class = "form-
control" } })
                @Html.ValidationMessageFor(model => model.DateOfBirth, "", new { @class = "text-danger" })
            </div>
        </div>
        <div class="form-group">
            <code>@Html.LabelFor(model => model.EmailAddress, htmlAttributes: new { @class = "control-label col-</code>
md-2" })
            <div class="col-md-10">
                @Html.EditorFor(model => model.EmailAddress, new { htmlAttributes = new { @class = "form-
control" } })
                @Html.ValidationMessageFor(model => model.EmailAddress, "", new { @class = "text-danger" })
            </div>
        </div>
        <div class="form-group">
            <mark>@</mark>Html.LabelFor(model => model.Score, htmlAttributes: new {    @class = "control-label col-md-2" })
            <div class="col-md-10">
```

```
@Html.EditorFor(model => model.Score, new { htmlAttributes = new { @class = "form-
control" } })
                @Html.ValidationMessageFor(model => model.Score, "", new { @class = "text-danger" })
            </div>
        </div>
        <div class="form-group">
            <code>@Html.LabelFor(model => model.ProfileUrl, htmlAttributes: new { @class = "control-label col-md-</code>
2" })
            <div class="col-md-10">
                @Html.EditorFor(model => model.ProfileUrl, new { htmlAttributes = new { @class = "form-
control" } })
                @Html.ValidationMessageFor(model => model.ProfileUrl, "", new { @class = "text-danger" })
            </div>
        </div>
        <div class="form-group">
            <mark>@</mark>Html.LabelFor(model => model.GameMoney, htmlAttributes: new {  @class = "control-label col-md-
2" })
            <div class="col-md-10">
                @Html.EditorFor(model => model.GameMoney, new { htmlAttributes = new { @class = "form-
control" } })
                @Html.ValidationMessageFor(model => model.GameMoney, "", new { @class = "text-danger" })
            </div>
        </div>
        <div class="form-group">
            <mark>@</mark>Html.LabelFor(model => model.TeamId, "<mark>TeamId", htmlAttributes: new {  @class = "control-label</mark>
col-md-2" })
            <div class="col-md-10">
                @Html.DropDownList("TeamId", null, htmlAttributes: new { @class = "form-control" })
                @Html.ValidationMessageFor(model => model.TeamId, "", new { @class = "text-danger" })
            </div>
        </div>
        <div class="form-group">
            <div class="col-md-offset-2 col-md-10">
                <input type="submit" value="Create" class="btn btn-default" />
            </div>
       </div>
   </div>
<div>
   @Html.ActionLink("Back to List", "Index")
</div>
<script src="~/Scripts/jquery-1.10.2.min.js"></script>
<script src="~/Scripts/jquery.validate.min.js"></script>
<script src="~/Scripts/jquery.validate.unobtrusive.min.js"></script>
```

Create

Gamer

Full Name	
Gender	
City	
DateOfBirth	OnlineGame.Web.Models.Gamer {0:dd/MM/yyy
EmailAddress	
Score	
ProfileUrl	
GameMoney	
Teamld	Team1
	Create

5.19. Views/Gamer/Delete.cshtml

```
@model OnlineGame.Web.Models.Gamer
    ViewBag.Title = "Delete";
<h2>Delete</h2>
<h3>Are you sure you want to delete this?</h3>
   <h4>Gamer</h4>
   <hr />
   <dl class="dl-horizontal">
       <dt>
           @Html.DisplayNameFor(model => model.Name)
       </dt>
       <dd>
            @Html.DisplayFor(model => model.Name)
       </dd>
       <dt>
           @Html.DisplayNameFor(model => model.Gender)
       </dt>
       <dd>
           @Html.DisplayFor(model => model.Gender)
       </dd>
       <dt>
           @Html.DisplayNameFor(model => model.City)
       </dt>
            @Html.DisplayFor(model => model.City)
       </dd>
           @Html.DisplayNameFor(model => model.DateOfBirth)
       </dt>
```

```
<dd>
            @Html.DisplayFor(model => model.DateOfBirth)
       </dd>
       <dt>
            @Html.DisplayNameFor(model => model.EmailAddress)
       </dt>
       <dd>
            @Html.DisplayFor(model => model.EmailAddress)
       </dd>
       <dt>
            @Html.DisplayNameFor(model => model.Score)
       </dt>
       <dd>
            @Html.DisplayFor(model => model.Score)
       </dd>
       <dt>
            @Html.DisplayNameFor(model => model.ProfileUrl)
       </dt>
       <dd>
            @Html.DisplayFor(model => model.ProfileUrl)
       </dd>
       <dt>
            @Html.DisplayNameFor(model => model.GameMoney)
       </dt>
       <dd>
            @Html.DisplayFor(model => model.GameMoney)
       </dd>
       <dt>
            @Html.DisplayNameFor(model => model.Team.Name)
       </dt>
       <dd>
            @Html.DisplayFor(model => model.Team.Name)
       </dd>
   </dl>
   <mark>@using(Html.BeginForm()) {</mark>
       @Html.AntiForgeryToken()
       <div class="form-actions no-color">
            <input type="submit" value="Delete" class="btn btn-default" /> |
            @Html.ActionLink("Back to List", "Index")
       </div>
    }
</div>
```

Delete

Are you sure you want to delete this?

Gamer

Full Name Name02 CDDE

Gender Female
City City03
DateOfBirth 30/09/1981
EmailAddress 2@BBB.com

Score 3500

ProfileUrl https://ithandyguytutorial.blogspot.com.au/

GameMoney \$1,500.00 Name Team2

Delete

| Back to List