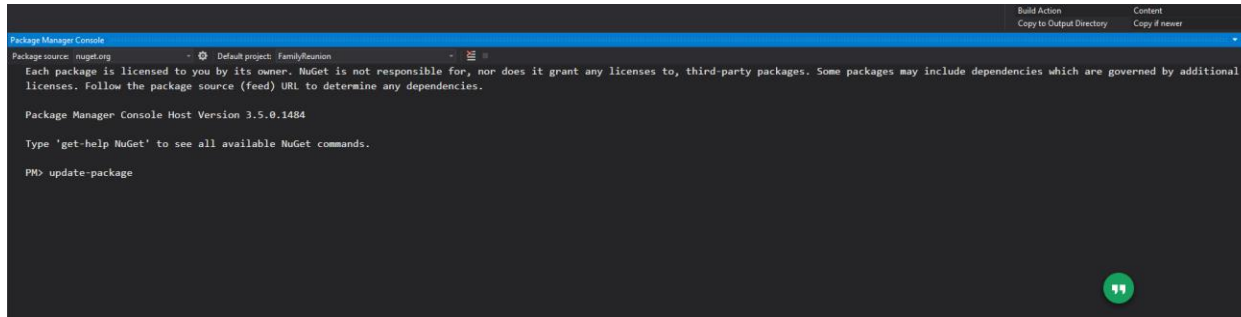


Update nuget



The screenshot shows the Package Manager Console window in Visual Studio. The title bar reads "Package Manager Console". The console area displays the following text:

```
Package source: nuget.org
Default project: Family reunion

Each package is licensed to you by its owner. NuGet is not responsible for, nor does it grant any licenses to, third-party packages. Some packages may include dependencies which are governed by additional licenses. Follow the package source (feed) URL to determine any dependencies.

Package Manager Console Host Version 3.5.0.1484

Type 'get-help NuGet' to see all available NuGet commands.

PM> update-package
```

At the bottom right of the console window, there is a green circular button with two white quotation marks.

Add EF Model



Choose Model Contents

What should the model contain?EF Designer
from
databaseEmpty EF
Designer
modelEmpty Code
First modelCode First
from
database

Code First from database

Creates a Code First model based on an existing database. You can choose the database connection, settings for the model, and database objects to include in the model.


< Previous

Next >

Finish

Cancel

Entity Data Model Wizard

 Choose Your Database Objects and Settings

Which database objects do you want to include in your model?

- ☒ **Tables**
 - ☒ **dbo**
 - ☒ Member
 - ☒ MemberRelationship
 - ☐ Views

☒ Pluralize or singularize generated object names

☒ Include foreign key columns in the model

☐ Import selected stored procedures and functions into the entity model

Makes names in the model more descriptive and accurate by ensuring that EntityType

< Previous Next > **Finish** Cancel

Build the solution Ctrl+Shift+B

Enable code first migrations

```
Package Manager Console
Package source: nuget.org
Default project: FamilyReunion

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Package Manager Console Host Version 3.5.0.1484

Type 'get-help NuGet' to see all available NuGet commands.

PM> Enable-Migrations
More than one context type was found in the assembly 'FamilyReunion'.
To enable migrations for 'FamilyReunion.FamilyEntities', use Enable-Migrations -ContextTypeName FamilyReunion.FamilyEntities.
To enable migrations for 'FamilyReunion.ApplicationDbContext', use Enable-Migrations -ContextTypeName FamilyReunion.ApplicationDbContext.
PM> Enable-Migrations -ContextTypeName FamilyReunion.FamilyEntities
Checking if the context targets an existing database...
Code First Migrations enabled for project FamilyReunion.
PM>
```

Add initial migration

Delete the two tables in db and then run update-database.

```
PM> update-database
Specify the '-Verbose' flag to view the SQL statements being applied to the target database.
Applying explicit migrations: [201703100422481_Initial DB].
Applying explicit migration: 201703100422481_Initial DB.
Running Seed method.
PM>
```

Just to make sure, build project.

Add a controller

Add Scaffold

Installed

Common Controller



MVC 5 Controller - Empty



MVC 5 Controller with read/write actions



MVC 5 Controller with views, using Entity Framework



Web API 2 Controller - Empty



Web API 2 Controller with actions, using Entity Framework



Web API 2 Controller with read/write actions



Web API 2 OData v3 Controller with actions, using Entity Framework



Web API 2 OData v3 Controller with read/write actions

MVC 5 Controller with views, using Entity Framework
by Microsoft
v5.0.0.0

An MVC controller with actions and Razor views to create, read, update, delete, and list entities from an Entity Framework data context.

Id: MvcControllerWithContextScaffolder

[Click here to go online and find more scaffolding extensions.](#)

Add

Cancel

Add Controller

Model class: Member

Data context class: FamilyEntities

☒ Use async controller actions

Views:

☒ Generate views

☒ Reference script libraries

☒ Use a layout page:

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

Controller name: MembersController

Add Cancel

Run Site and navigate to /members

Index

[Create New](#)

FirstName

LastName

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Notice that the labels don't look right. Add Display attributes to fix

```

12 references
Partial Public Class Member
    0 references
    Public Sub New()
        MemberRelationships = New HashSet(Of MemberRelationship)()
        RelatedMembersRelationships = New HashSet(Of MemberRelationship)()
    End Sub

    1 reference
    Public Property MemberId As Guid

        <Required>
        <StringLength(20)>
        <Display(Name:="First Name")>
    0 references
    Public Property FirstName As String

        <Required>
        <StringLength(30)>
        <Display(Name:="Last Name")>
    0 references
    Public Property LastName As String

```

Run site again

Notice the labels are fixed. Notice you can perform crud actions on members

Keep making changes to the views, models, and controllers. If you modify the models, add a migration and run update-database

Example:

```
Package Manager Console
Package source: nuget.org
Default project: FamilyReunion

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Package Manager Console Host Version 3.5.0.1484

Type 'get-help NuGet' to see all available NuGet commands.

PM> add-migration -ConfigurationTypeName FamilyMigrationConfiguration "Name of migration"
```

```
Package Manager Console
Package source: nuget.org
Default project: FamilyReunion

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Package Manager Console Host Version 3.5.0.1484

Type 'get-help NuGet' to see all available NuGet commands.

PM> Update-Database -ConfigurationTypeName FamilyMigrationConfiguration
```