# C# Extension Methods

**Module 5 Setup Instructions**

In Module 5 we finish our extension method library.

## Pre-requisites

The demo solution is delivered in Visual Studio 2013.

The solution uses NuGet package restore to load packages during the build.

To enable this in Visual Studio, open *Tools…Library Package Manager…Package Manager Settings* and ensure both options (*Allow NuGet to download missing packages* and *Automatically check for missing packages during build in Visual Studio*) are ticked.

## Database Setup

The Entity Framework model used in Demo 3 assumes you have a default, unnamed instance of SQL Server installed on the local machine.

If you have a named SQL instance, you will need to specify the data source in *App.config* in the project Sixeyed.ExtensionLibrary.Domain (the test project shares the same config file), and *Web.config* in the Web Api project Sixeyed.ExtensionLibrary.Stubs.Api.

You will need to create an empty database called **Sixeyed.ExtensionLibrary.Domain** in your SQL Server instance. You can then create the database structure by running *DomainModel.edmx.sql* in the Sixeyed.ExtensionLibrary.Domain project.

## Running the Solution

The demos use class libraries for writing the extension methods, and Unit Test libraries for using the methods. Rebuild the solution and run all tests, and if everything is set up correctly the tests will all pass.

The stub projects are all configured to use IIS. The base URLs for the built projects are:

* WCF Service
  + http://localhost/Sixeyed.ExtensionLibrary.Stubs.WcfService/Service1.svc
* Web Api
  + http://localhost/Sixeyed.ExtensionLibrary.Stubs.Api/api/customers
* ASP.NET MVC
  + http://localhost/Sixeyed.ExtensionLibrary.Stubs.Web/