Steps

# Configure the application to run on OWIN pipeline

* Create new empty web project selecting the Web API checkbox in the template
* Install the following nuget packages

|  |  |
| --- | --- |
| **Package Id** | **Uses** |
| Microsoft.AspNet.WebApi.Owin | Enables hosting Web API applications on OWIN |
| Microsoft.Owin.Host.SystemWeb | Enables hosting OWIN applications on IIS |

* Create Startup.cs file (named exactly like this or use attribute)
* Delete Global.asax, although it would be invoked in the pipeline it is not required for OWIN applications.

# Create SpecFlow project

* Create class library
* Install the following nuget packages

|  |  |
| --- | --- |
| **Package Id** | **Uses** |
| SpecFlow | Will install Specflow. An additional package for the test framework will be required. Ie: SpecFlow.NUnit |
| Microsoft.Owin.Testing | In memory server for OWIN applications |
| FluentAssertions | Useful structural equality assertions |
| Microsoft.AspNet.WebApi.Core | Useful HTTP response formatting extension methods |

* Create feature file
* Create configuration binding. Here we create the TestServer and configure the Specflow DI.
* Create steps file

# Implement controller

* Implement controller