Requirements

Write a code plugin for a REST-based API that returns the HTTP status code 418[[1]](#footnote-2). The status code should be returned when the following conditions are met:

1. The request is a GET, POST or DELETE; **and**
2. The URI starts with /coffee (case-insensitive matching); **and**
3. The request is made on April 1st

Extra credit will be given for providing tests that verify the correct operation of the plugin.

# Constraints

The solution should be written in C# and based on Microsoft ASP.NET Web API version 2[[2]](#footnote-3). You can use whatever development environment is available to you – Visual Studio, Visual Studio Express, Visual Studio Online, SharpDevelop etc.

You can share the completed solution in whatever manner you prefer – zip and email, publish to GitHub, blog post etc. Whichever way you choose, please be prepared to give a brief explanation of the design decisions and features of your implementation.

1. <https://en.wikipedia.org/wiki/List_of_HTTP_status_codes#4xx_Client_Error> [↑](#footnote-ref-2)
2. <https://www.nuget.org/packages/Microsoft.AspNet.WebApi/5.2.3> [↑](#footnote-ref-3)