Developer Exercise

## Introduction

In this exercise you will create a basic .NET solution from scratch. Create this exercise using C# and Visual Studio (2012 or higher). This document describes the components, how you structure your solution is up to you. We expect you to do this in about 8 hours.

# The web application

This application retrieves the content of a JSON feed that exposes airports.

* Download the content using the *HttpClient* class from the *Microsoft.Net.Http* NuGet package to download the JSON.
* The program should get the airports from this JSON feed: <https://raw.githubusercontent.com/jbrooksuk/JSON-Airports/master/airports.json>

Show a list of all the European airports and offer the functionality to filter the list on country. Retrieving the list of the airports should only happen once every 5 minutes. A response header should be used to indicate whether the application got its data from the JSON feed.

* The web application should be an MVC 5 application.
* The name of the response header should be ‘from-feed’.

**For extra points:**

**Create a view that shows the distance between two airports, airports are identified on IATA code.**

* The application should accept two airports in the URL.

# What we will look for

* Using common frameworks
* Cleverness & performance
* Separation of concerns
* The application should build and run on other computers

# Finished?

Clean out the bin folders and zip the solution. Share your solution via WeTransfer or an online git repository.