# Landmark Developer Coding Test

## Scenario:

One of your colleagues has written a simple and rather dirty Proof of Concept Web-API application. Your task is to refactor the application to production level quality. This includes the following:

* Ensure the code follows SOLID principles
* Ensure the code can be easily unit testable
* Change the current XML API response to JSON
* Write 3 sensible unit tests

## Application description

The application gets flood data from the open-source Environment Agency API, transforms it into a different model and serves it in a simple RESTful API. There are two endpoints; one returns all the flood alerts and one that filters them by region.

## Application code

The code can be downloaded from the following location:

## Additional information

* The unit tests can be written using any .NET compatible framework
* This is not a timed task. We are interested in determining the candidate’s idea of well written, clean code and the ability to determine and code sensible, isolated unit tests.
* In the unlikely even that the Environment Agency API does not return any flood alerts we’ve included an example of the response data with the application code.