# AC50002 Handin #1

## D3 plotting

You are provided with a JSON feed at :

http://[34.78.46.186/Circles/Towns/50](http://35.233.33.123/Circles/Towns/50)

This will provide details of a random collection of towns in the UK, the last number in the feed tells the feed how many towns to produce (it is limited to a maximum of 500).

You must:

1: write a D3 program that consumes the feed

2: draws a map of the UK

3: Plots the towns from the feed on the map

4: You can use any details in the feed to enhance the map.

5: Use a button to reload the data and plot a new set of towns.

Enhancements:

You can try and add the following

Tooltips. Hover over a town and provide more details such as the population

Animations. When new data is loaded the new towns are animated in place

A slider that allows the user to select the number of towns loaded.

**You will get a passing mark for 1-5 above,** enhancements bring more marks.

Handin date is 09th November. I just require the code you have produced, no report. If you use github, I only need the address of the repository.

Here is an example from last years students using google maps. You don’t need to use google, use any method you like to represent the UK

Map

Description automatically generated