You are provided with a JSON feed at :

<http://35.233.103.25/Circles/Towns/20>

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).

Eg. <http://35.233.103.25/Circles/Towns/20> will provide details of 20 towns.

<http://35.233.103.25/Circles/Towns/10> will provide details of 10 towns.

You must:

1: write a D3 program that consumes the feed

2: draws a map of the UK (any UK JSON file to produce the map is okay)

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:

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.

A rough idea/example of how the end product should look like:

Map

Description automatically generated