

# Maynooth University – Chinese Summer School 2016

## Web-based Mapping – Assignment

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You should use the code provided to you as a starting point.

You are required to build a single page web-based map application with the following specifications:

1. There are THREE baselayers – These are directly from the Leaflet Providers Page
2. There are TWO overlay layers.
3. You must create one of the overlay layers in GeoJSON.io and the other can be created from any source.
4. You must apply a style to ONE of the overlay layers so that it is in Choropleth style. You will have to decide on a style – you can pick the classes or criteria to use.
5. Both overlay layers must have at least 5 objects
6. All properties for all features must be displayed in the feature popup
7. You must center the map appropriately
8. You must set the initial zoom of the map appropriately.
9. You should provide some basic text on the web page to explain your colour scheme choice for the Choropleth map.

A good source of geojson data is <https://mapzen.com/data/metro-extracts/> - you should look for the “imposm.geojson” link corresponding to each city.

### Dublin, Ireland

OSM PBF 12.5 MB	OSM XML 19.5 MB	OSM2PGSQL SHP 32.0 MB	OSM2PGSQL GEOJSON 22.7 MB	IMPOSM SHP 20.3 MB	IMPOSM GEOJSON 26.0 MB	WATER COASTLINE SHP 195 KB	LAND COASTLINE SHP 80 KB
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When this is downloaded – you can unzip the file and there will be several geojson files contained within the zip file.