

## GIS Programming Assignment 1

### Web mapping - JS APIS

Create a web page that has an interactive web map centered at TUK (use google earth to get TUK's lat, lon).

Use your GeoServer with either **Openlayers, Leaflet, Google Maps js API** etc.

### Required

- Implement popups for **onclick** events (When a user clicks on the layer. A pop with meaningful information is shown)
- Add at least 3 markers showing where you hang out, shop and attend religious events
- A web page with an intuitive interface (nicely styled..use css)
- Use base maps eg Open street maps, here maps, bing, google, mapbox etc
- Ability to switch basemaps

Creativity is encouraged

Send code and results screenshots as your submission, Include your student ID in the email subject

### Resources

<https://leafletjs.com/examples/layers-control/>

<https://openlayers.org/en/latest/examples/layer-group.html>

<https://developers.google.com/maps/documentation/javascript/overview>

### Basemaps

<https://github.com/alexurquhart/free-tiles/blob/master/tiles.json>