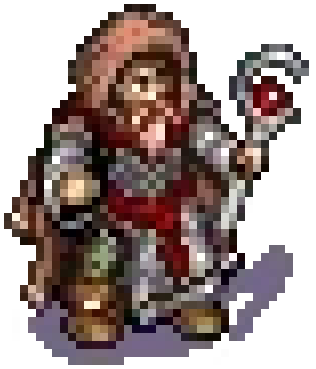
Topic : Make The Real GIS?



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About the topic

- This is just an example of making a web GIS. A brief example of using leaflet-cloudmade and how to show your already created vector features (by using QGIS) in the web will be explained
- Spatial-Query will be introduced

The real GIS

- There are several frameworks out there that can help you finishing your final project
  - If you are good with javascript, you can use http://leaflet.cloudmade.com/
  - If you are good with delphi, you can use http://cartovcl.com/ or http://www.ecostats.com/software/ (seems both are commercial)
  - If you are good with java, you can use http://www.geotools.org/
  - If you are good with c++ or python, you can use http://mapnik.org/
  - If you are good with any other programming language, try to find a good framework by yourself
  - If you can't do any programming, WTF? Learn !!!
  - If you can do any programming, but prefer video-editing and any non-programming stuff, try to learn about google sketch-up and google-earth. Learn how to combine both. ← this kind of final project is not expected by me, but for special case (e.g : you are a multimedia guy, it is permitted)

Tools needed

- QGIS (of course)
  - Open layer plugins
- A text editor (gedit, notepad++ or pspad, you can use notepad if that is the only option left)
- A browser
- Internet connection

Practice

- Open up qgis, add google street or whatever layer from open layer plugin. This is require internet connection
- Perform digitising, extract some features
- Save your features as geojson (ensure to save it with WGS 84 CRS)

Practice

- Download leaflet-cloudmade, extract it in your directory
- Download the source provided by me in github
- Change the geojson layer with yours (in map.js)
- Change the map location
- Consider that geojson use Long-Lat, while location use Lat-Long
- Learn the source code

Spatial Query plugin

- I want to get every town which is in 100 km radius from active mountain
- http://qgis.spatialthoughts.com/2011/12/tutorial-per