Assessment: SVG Mapping with Spatial Data stored in Oracle

→ Having accessed the Oracle database and drawn shapes using SVG we are now in a position to write queries which draw objects that have their coordinates stored in the database!

→ The aim of this assessment is to create an SVG web map of the familiar archaeological finds and agricultural fields using data stored in a database. You may embellish your map as much as you wish to show off your technical prowess (whilst maintaining a high standard of design).

→ Things you need to know:

- The data are stored in Oracle tables **GISTEACH.FIELDS** and **GISTEACH.FINDS**
- To use a geographic coordinate system modify your opening SVG tag appropriately, then **transform** the image thus:

```
<g transform="scale(1,-1)">
      […geographic objects go here…]
</g>
```

→ Hand in:

- A brief description of the problem and the solutions you have developed (maximum of one side of A4)
- Appropriately commented code
- The URL of your web map
- A short description of how your work could be developed into a full-blown web-mapping system based on Oracle (maximum of one side of A4)

Resources

SVG documentation is available at **http://www.w3.org/TR/SVG/**

HTML guidance on **http://www.webmonkey.com/**

Python docs

Archaeological Finds Map

FIELD PLAN SHOWING ARCHAEOLOGICAL FINDS