Dynamic Noise and Pollution Campus Map

/progress report/

Work Done Previous Week

- Digital Ocean server configuration: link
- server code deployment: link
- Spring MVC RESTful infrastructure implementation for client communication: link
- event logging facilitated by SLF4J improved: link
- debugging
    - client-server data transmission: link
    - client position check window: link

Work Under Way

- testing around campus: link
- data filtering

Known Issues + Resolutions

- Digital Ocean confusing documentation and lacking support for Java MVC web application frameworks (WAF) as documented in the source links above: https://www.digitalocean.com/community/questions/spring-mvc-nosql-server-setup ; resolved by researching for alternative toolkits, example: used "sysv-rc-conf" which borrows its syntax directly from the currently deprecated UNIX package "chkonfig" that was listed on one of the tutorials for automatic service initialization at startup (used for a Mongo DB instance)
- CORS vs JSONP data transmission (advantages and disadvantages, trade-offs), Google's Gson vs Jackson JSON Processor -> highlighted in RESTful infrastructure issue
- HTML5's geo-location service function changed to improve window interval specification (further details in "debugging" links)

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