SupplyChain2Map

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Test Plan

Semantic Web Technologies Lab

Testing agenda

- Code Coverage
- Qualitative Testing

Code Coverage

- **Objective:** perceive an overall measure of untested parts of our codebase. A 'Code Coverage Suit' will be utilized.
- **Reason**
  - To escape bugs in production.
  - Reduce fear of changing source-code that may cause production bugs.

- **Solution**
  - **Code Coverage Suit:** Blanket.js (http://blanketjs.org)
    - Most of our codebase will be in written in JavaScript. This decision is made accordingly.
  - **Test Framework:**
    - Jasmine (http://jasmine.github.io)

Code Coverage

- Remarks
    - Tests will be preferably written by another person than the original programmer.
    - Decoupling of UI and Program Logic makes our tests more sensible.

- Products
    - Branch coverage
    - Overall Coverage percentage

Qualitative Testing

- **Performance testing**: Test the Runtime performance of software within the context of the integrated system.

- **Stress Testing:** execute the system analytics with a inputs of different sizes and observe its performance sensitivity to data size and complexity.

Questions?