

SupplyChain2Map

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Final Presentation

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Outline

- Introduction
- Requirements
- System Architecture
- Testing
- Timesheet
- Workflow
- Demo
- Q&A

Introduction

- Problem
 - Supply Chain Data
- Solution
 - SCORVoc
 - Sc2map App

Functional Requirements

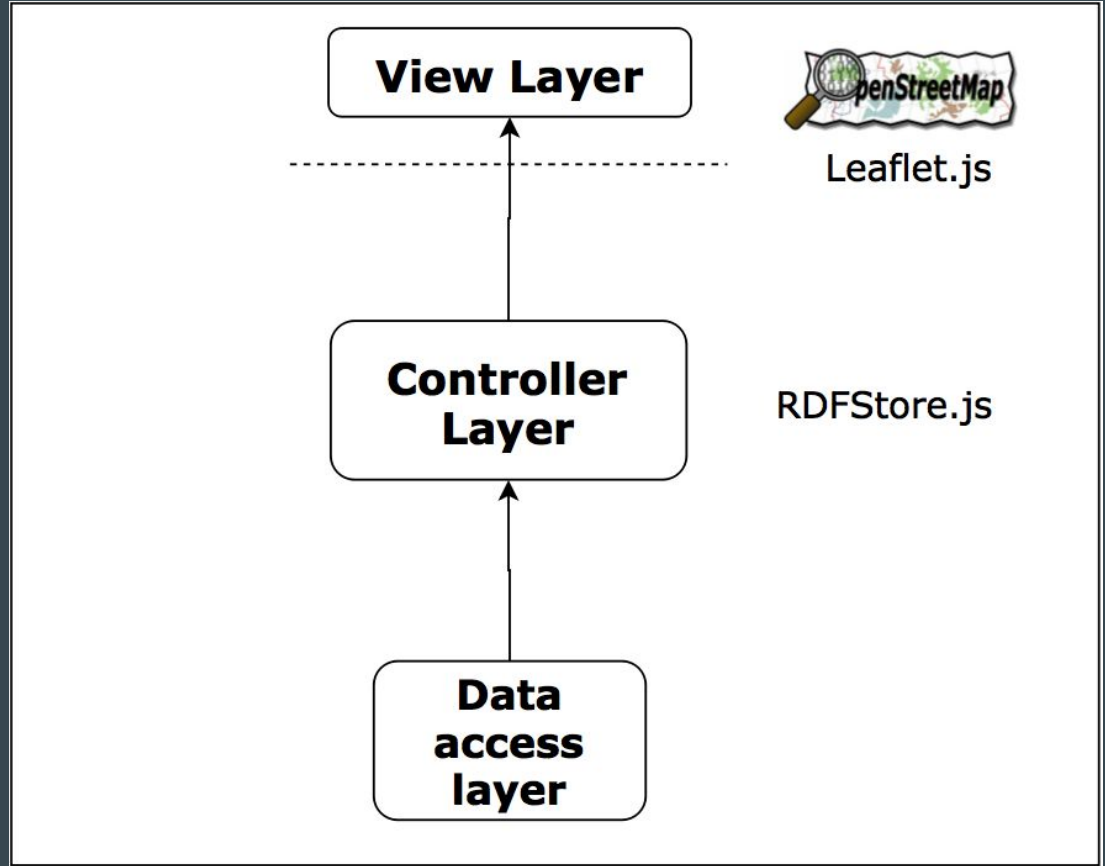
Requirement ID	Requirement Statement	Must/Want	Comments
FR001	The website shall have a world map.	Must	
FR002	The map shall be interactive.	Must	Providing general map interaction like zooming or dragging.
FR003	SC data shall be visualized on the map.	Must	
FR004	The nodes on the map shall be selectable.	Must	Selection in order to get additional information about the node.
FR005	The website shall provide analysis functionality over the SC data.	Must	Given already existing algorithms and metrics.

Non Functional Requirements

- Modularity and maintainability
 - Different segments of the the product should be architected in a way to interact with each other in a standard and independent fashion
- Documentation Requirement
 - The documentation for each of the elements of the library should be written and compiled in an easy to use manner.
- Performance
 - The product is to be reasonably operating on the inputs, with regards to a reasonable size and complexity
- Accessibility
 - The product should be possible to run on the latest version of modern browsers (i.e. Google Chrome, Firefox, Edge)
- More non functional requirements can be seen in our requirements specification document

System Architecture

- rdfstore.js
- store.js



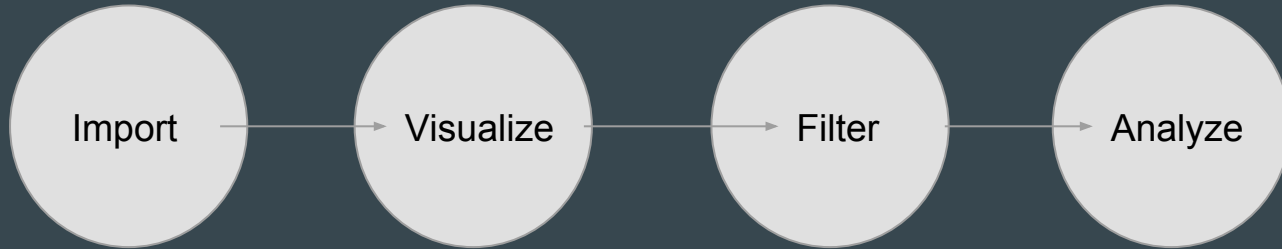
Testing

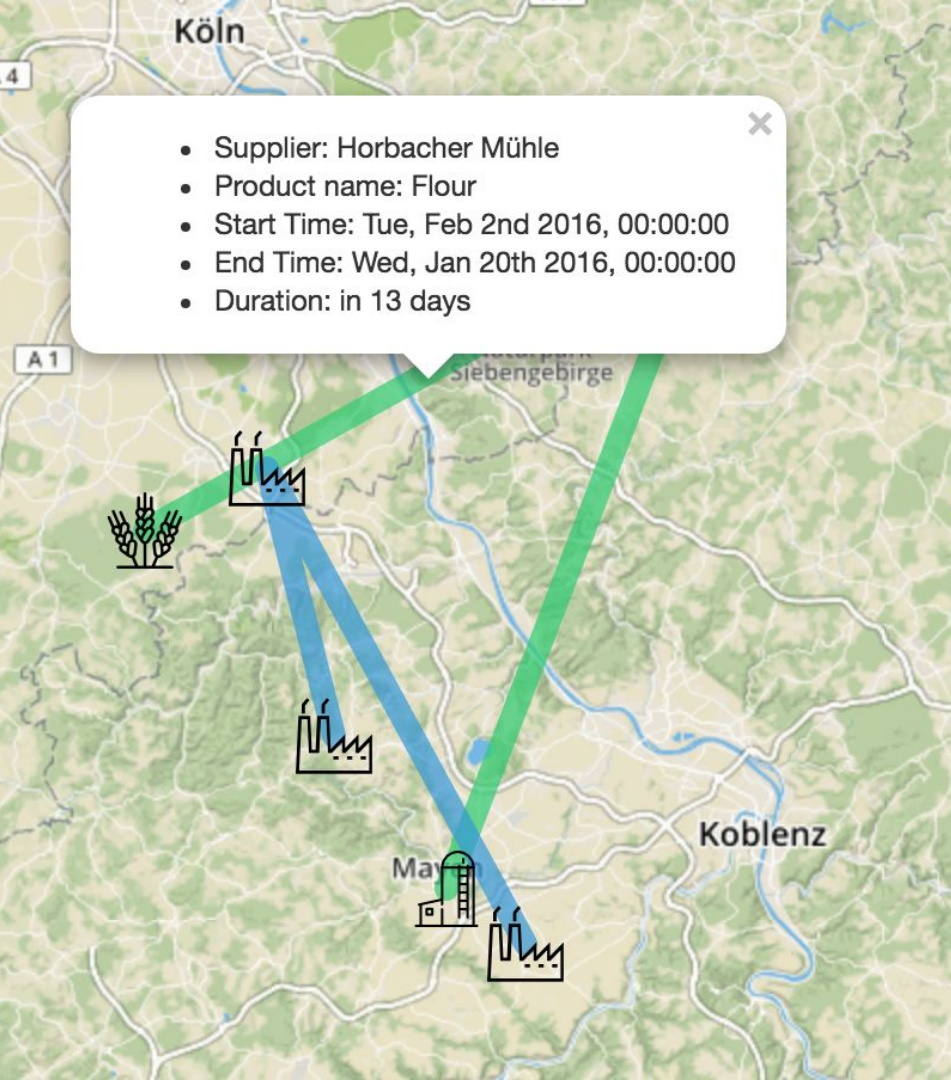
- Unit tests for testing individual segments of the program
- **Reason**
 - To escape bugs in production
 - Reduce fear of changing source-code that may cause production bugs
- Used **Jasmine** framework to describe and run test suits (<http://jasmine.github.io>)
- Run the tests with **npm test** command

Timesheet

Goal	Working Period
<ul style="list-style-type: none">• Envisioning (Background research)• Basic Integration of metrics• Test framework initialization and setup• Begin documentation• Adapt to Ontology	May - June
<ul style="list-style-type: none">• Extend the User interface• Connect to SPARQL endpoint instead of uploading files• Finalize the documentation	July - August
<ul style="list-style-type: none">• Final Presentation• Poster• Finalize the features<ul style="list-style-type: none">◦ Querying complex SC data◦ Implement more metrics	September - October

Workflow





Supply Chain Visualization

- Extracting details of specific nodes or processes possible and easy to achieve

Demo

Questions?