



GiveMeFive

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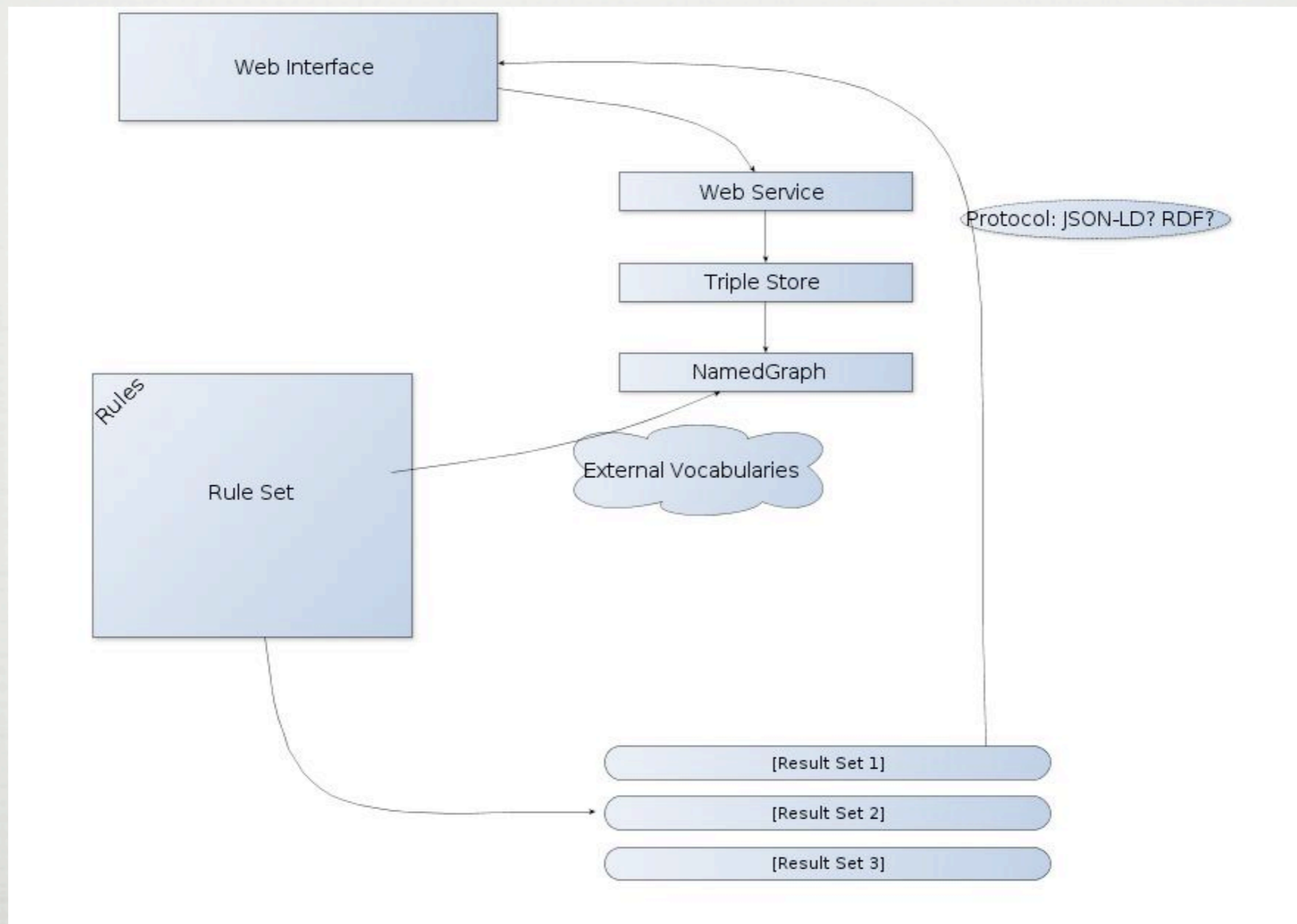
ESWC SUMMMER SCHOOL 2013
KALAMAKI, CRETE

RULE-BASED VALIDATION FOR ESWC SS PROJECT GROUPS

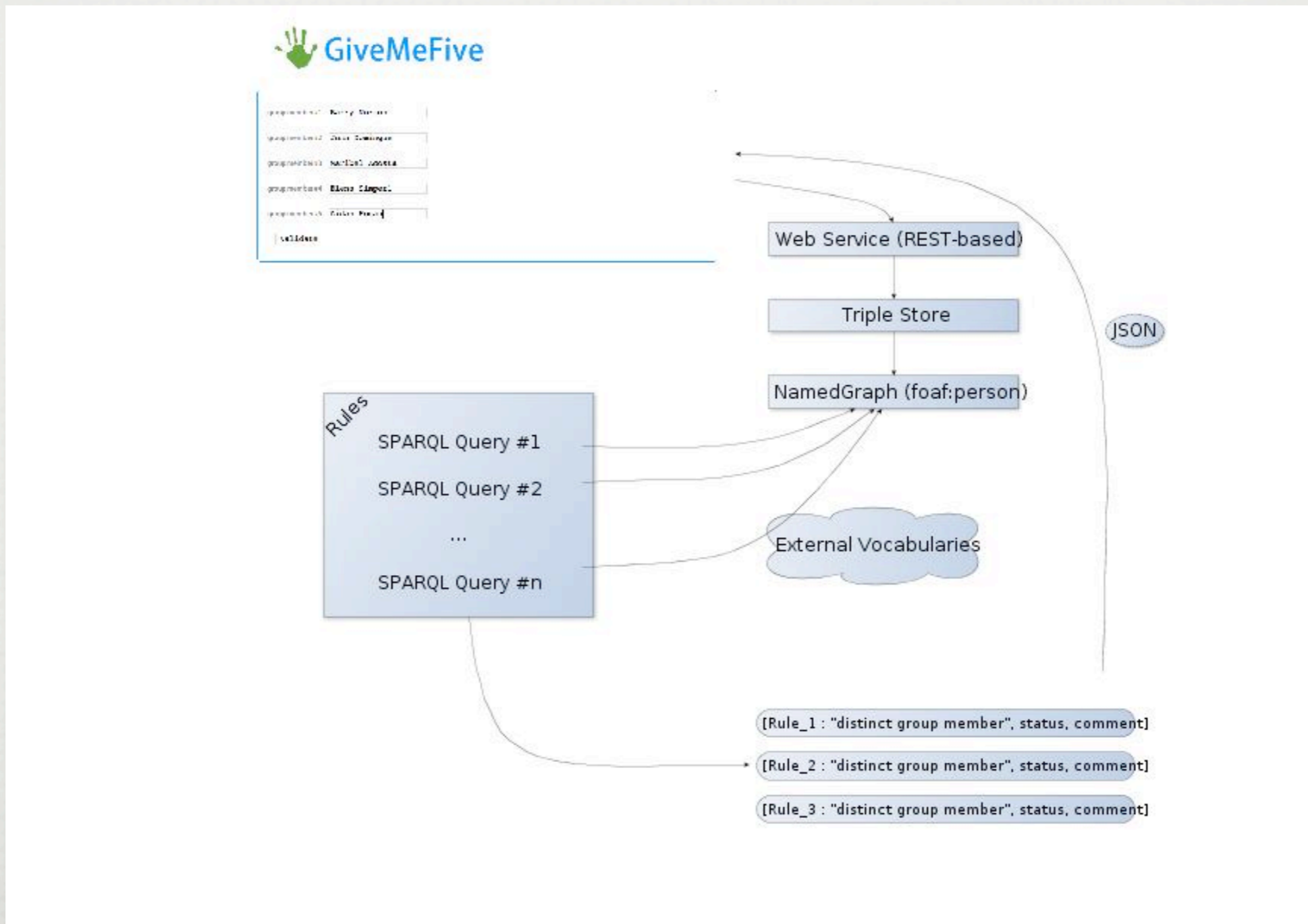


PHOTO BY ANETA TUMILOWICZ

SOFTWARE ARCHITECTURE FOR A RULE-BASED VALIDATION TOOL



SOFTWARE ARCHITECTURE FOR THE ESWC SS 2013 TOOL



WEB INTERFACE

Firefox Datei Bearbeiten Ansicht Chronik Lesezeichen Extras Fenster Hilfe

GiveMeFive Group Validator

GiveMeFive Group Validator x OpenRDF Workbench - List of R... x Programme | 3rd ESWC Summer... x Google+ x +

file:///Users/kkrieger/programming/java/GiveMeFive/WebContent/WEB-INF/index.html javascript exit function

Meistbesucht Erste Schritte Aktuelle Nachr... Pin It

group member #1

group member #2

group member #3

group member #4

group member #5

Eclipse

THE GROUP IS NOT OK!

Firefox Datei Bearbeiten Ansicht Chronik Lesezeichen Extras Fenster Hilfe

GiveMeFive Group Validator

GiveMeFive Group Validator x Firebug x RESTClient x jersey post data - Αναζήτηση ... x java - How to submit data with... x

file:///Users/kkrieger/programming/java/GiveMeFive/WebContent/WEB-INF/index.html

Meistbesucht Erste Schritte Aktuelle Nachr... Pin It

group member #1

group member #2

group member #3

group member #4

group member #5

Group should have 4-5 members

Members should be from both genders.

Members should be from different countries.

Members should not be from the same institution.

Members should not have collaborated before

Elena Simperl, Maribel Acosta, Barry Norton: A Semantically Enabled Architecture for Crowdsourced Linked Data Management. CrowdSearch 2012: 9-14

ESWC SS 2013 PROJECT RULES

ARE BOTH GENDERS REPRESENTED?

```
SELECT ?C (COUNT(?C) AS ?NR) FROM <HTTP://SUMMERSCHOOL2013.ESWC-CONFERENCES.ORG/PARTICIPANTS> WHERE { ?P FOAF:NAME ?NAME; FOAF:GENDER ?C. FILTER(?NAME="PIETER COLPAERT" || ?NAME = "DOERTHE ARNDT") } GROUP BY ?C
```

IS ANY FOAF:BASED_NEAR VALUE REPRESENTED MORE THAN ONCE?

```
SELECT ?COUNTRY (COUNT(?NAME) AS ?NR) FROM <HTTP://SUMMERSCHOOL2013.ESWC-CONFERENCES.ORG/PARTICIPANTS> WHERE { ?P FOAF:NAME ?NAME; FOAF:BASED_NEAR ?COUNTRY. FILTER(?NAME="PIETER COLPAERT" || ?NAME = "DOERTHE ARNDT")} GROUP BY ?COUNTRY HAVING(?NR > 1)
```

IS ANY FOAF:WORKPLACEHOMEPAGE REPRESENTED MORE THAN ONCE?

```
SELECT ?INSTITUT (COUNT(?NAME) AS ?NR) FROM <HTTP://SUMMERSCHOOL2013.ESWC-CONFERENCES.ORG/PARTICIPANTS> WHERE { ?P FOAF:NAME ?NAME; FOAF:WORKPLACEHOMEPAGE ?INSTITUT. FILTER(?NAME="PIETER COLPAERT" || ?NAME = "DOERTHE ARNDT")} GROUP BY ?INSTITUT HAVING(?NR > 1)
```

EXTENSION FOR DYNAMIC RULES

- CREATE RULES BASED ON EXISTING PROFILE DATA
- CREATE RULES BASED ON EXTERNAL ONTOLOGY PROPERTIES

Webpage

- Webpage_UCommerse_and_Industry
 - Webpage_UWork_and_Education
 - Webpage_UTravel
 - Webpage_USports
 - Webpage_USociety_and_Family
 - Webpage_UScience
 - Webpage_UPlaces_in_the_World
 - Webpage_UOnline_Communities
 - Webpage_UMultimedia_and_Equipment
 - Webpage_ULiterature_and_Press
 - Webpage_ULeisure
 - Webpage_ULegislation_and_Administration
 - Webpage_UInternet_and_Telecommunication

Please drag and drop ontology elements to the editing area.

SWRL rule Editing area

Id:

Webpage_UWork_and_Education()

Ontology individuals

Generated rules

Download

OTHER FEATURE EXTENSIONS

- USER INTERFACE GENERATED BY THE DATA
- USE OTHER DATA SETS TO CLEAN AND EXTEND PROFILE INFORMATION

