Hackathon Project (HC-04):
Ontology Summit 2013 Content Hack Leveraging Semantics on OntologPSMW

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(co-champions)

Background

- Collection of independent projects

- Common theme: Infrastructure development related to ontology evaluation across the ontology lifecycle

  - Survey existing tools dealing with ontology quality and fitness

  - Develop collaboration tools for the Ontology Summit on ontology evaluation

  - Semantically annotate content related to ontology evaluation

  - Develop tools for querying and presenting ontology evaluation content

  - Integrate ontology evaluation content with previous Ontology Summit content and with the Ontolog environment

  - Enable interoperation with other collaboration tools

  - Allow for extendability and dynamically evolving content

Intersection

- Common basis for the projects is the Ontology Summit website

- Website platform is Purple Semantic MediaWiki

- The Ontology Summit survey is a semantic form that allows for dynamically maintaining information about tools for ontology quality and fitness.

- The Ontology Summit website is a semantically annotated wiki

- The Ontolog community wiki content is being migrated to the PSMW platform

- Ontology for the wiki is the Integrated Collaboration Object Model (ICOM)

Projects

- Purple Semantic MediaWiki (PSMW) Project

- Ontology Summit 2013 Survey Team

- Ontology Summit 2013 Website Team

- Ontolog Forum Content Migration Project

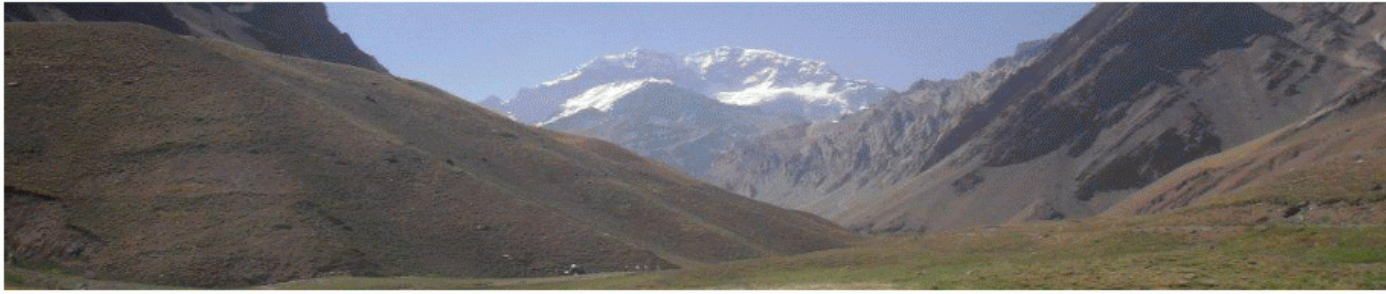- Integrated Collaborative Object Model (ICOM) Mapping Project

Purple Semantic MediaWiki

- MediaWiki is the technology of Wikipedia and related web sites.

- Semantic Media Wiki is a large EU project based in Karlsruhe.

- Purple numbers provide fine-grained access via the PMWX project developed by Northeastern University and CIM3.

Ontology Summit 2013 Survey

- Now uses a semantic form

- Integrated with Ontology Summit website

- Large number of questions grouped into tabs

- Different appearance than rest of website

- Semantic annotation of content

OntologPSMW

Category:OntologySummit2013 Survey

This is a survey of the capabilities provided by software environments and tools to assess or promote the quality and fitness of ontologies.

You will need to login first (for your input to be captured) using your OntologWiki username and password. If you do not have an OntologWiki username, use "guest" with "ontolog-guest" as the password.

To record the capabilities provided by your software environment or tool, enter its name below and click the button. This will create a webpage for your software which you may update at any time by entering its name below and clicking the button.

[   ] [Continue with survey]

Pages in category "OntologySummit2013 Survey"

The following 15 pages are in this category, out of 15 total.

1
- 15926Editor

C
- COLORE

H

O
- Ontohub
- OntologyTest
- OntoQA
- OOPS
- OOR

O cont.
- OpenLinkVirtuoso

R
- RepOSE

S

Edit OntologySummit2013 Survey: OOR

The survey of software capabilities is divided into a general section and a section for each ontology lifecycle phase shown in the tabs below:

General	Exploration	Management	Design	Build	Validation	Integration and Use	Maintenance	[edit

Each ontology lifecycle phase may be supported by software capabilities that evaluate or promote the quality and fitness of an ontology. Please indicate those capabilities that are delivered by OOR in each phase. You may explain the software capability further in the text box to the right of the question. If a capability of OOR that addresses ontology quality or fitness in a phase is not listed, please add it to the text box at the bottom of the tab for that phase.

Full name of OOR Open Ontology Repository (OOR)

Description of OOR

An architecture and infrastructure that supports the storage, sharing, searching, management and other value added service for ontologies

OOR link http://oor.net/

OOR home page http://www.oor.net/

OOR download page http://sandbox.oor.net/ontologies (for content)

Author(s) Members of the OOR Initiative

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Institutional sponsor The OOR Initiative

Last version OOR-sandbox

License (IPR) code: (simplified) BSD; content: CC-BY-3.0

Mailing List(s) [oor-forum], [oor-users], [oor-dev] - see under: ht

Now continue with the next tab and answer the questions for that ontology lifecycle phase.

Ontology Summit Website Project

- Organize the Ontology 2013 Summit content in a way that encourages and facilitates access to and (re)use of the material

- Annotate the content produced by the summit with a subset of the ICOM ontology

- Provide / enable new functionality / views in terms of accessing / querying resources, events, people that are hosted on the website

- Develop and deploy constructs (such as forms and templates) to capture some of the material being uploaded according to the ICOM ontology for presentation of content and interoperation with other collaboration tools

OntologPSMW

WikiHomePage

[hide purple numbers]

Search

Contents [hide]

Views

- Page
- Discussion
- Edit
- History
- Delete
- Move
- Protect
- Watch
- Refresh

Personal tools

- KennethBaclawski
- My talk
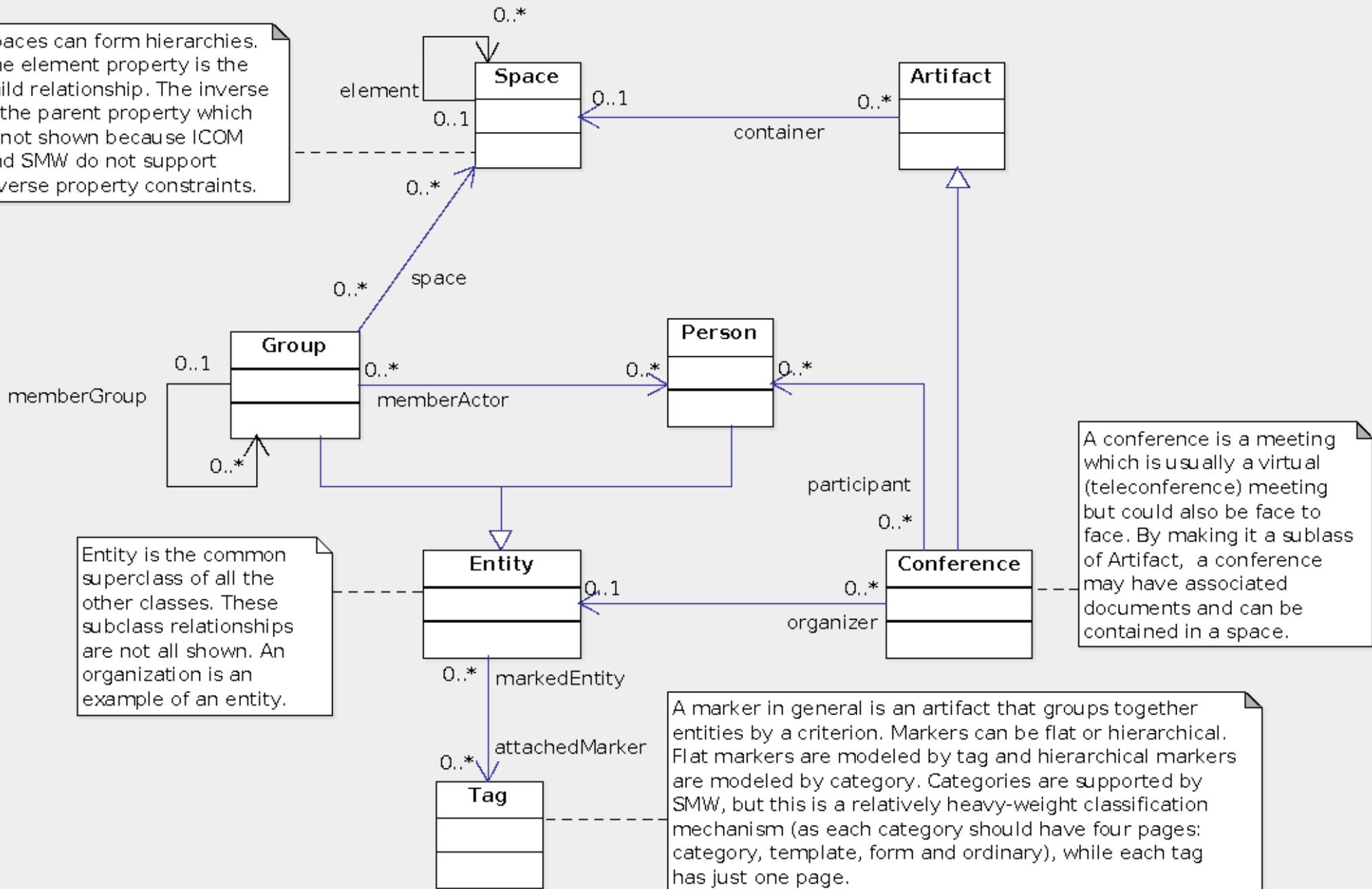- My preferences
- My watchlist

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Ontolog Content Migration

- **Ontolog Collaborative Work Environment**

    - Dynamic knowledge repository for the Ontolog community since its establishment 11 years ago

    - The Ontolog wiki is an integral and highly visible part of the Ontolog environment.

    - Includes the entire body of knowledge from previous Ontology Summits

    - Currently based on Purple Wiki

- **Migration to PSMW will add many new features**
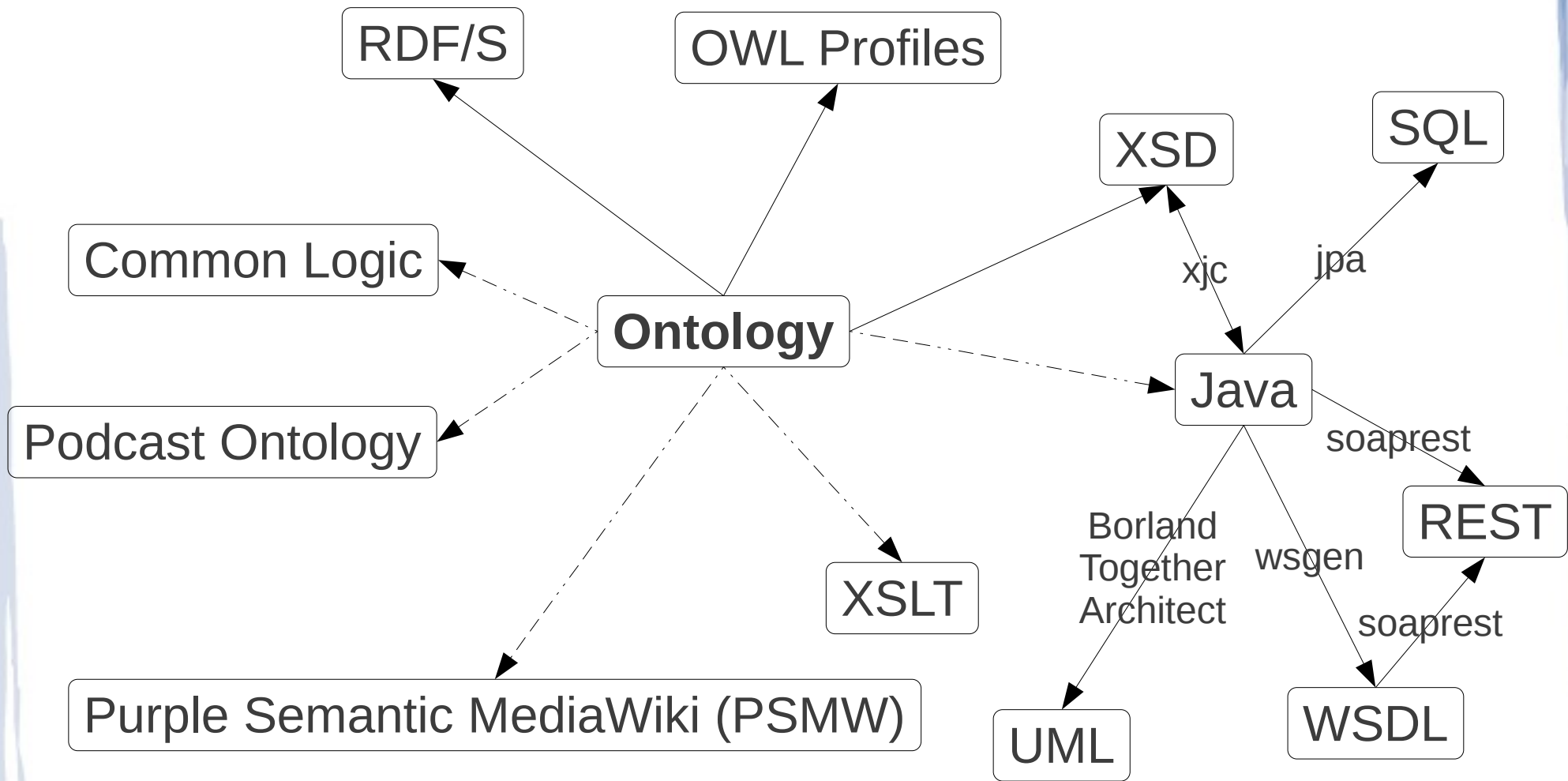
    - Ongoing volunteer effort

Mapping from ICOM to PSMW

- Ontology is a subset of the ICOM ontology together with the OntologySummit2013_Survey class.

- For each class in the ontology:

  - Template (to specify the properties of the class)

  - Form (to create new instances of the class)

  - Category (SMW classification mechanism)

  - Ordinary page

- For each property in the ontology:

  - Property (for defining the type of the property)

- Translator uses web services to upload/update the generated pages.

Ontology Summit Website Ontology

Integration and Interoperation with Ontology Mappings

Participants

- Ken Baclawski (Northeastern University, USA)

- Marcela Vegetti (INGAR-Development and Design Institute, Argentina)

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- John McClure (Hypergrove, USA)

- Frode Hegland (Liquid Techologies, UK)