

For the Hackathon project HC-04

Ontology Summit Website Development

(b) the underlying technology

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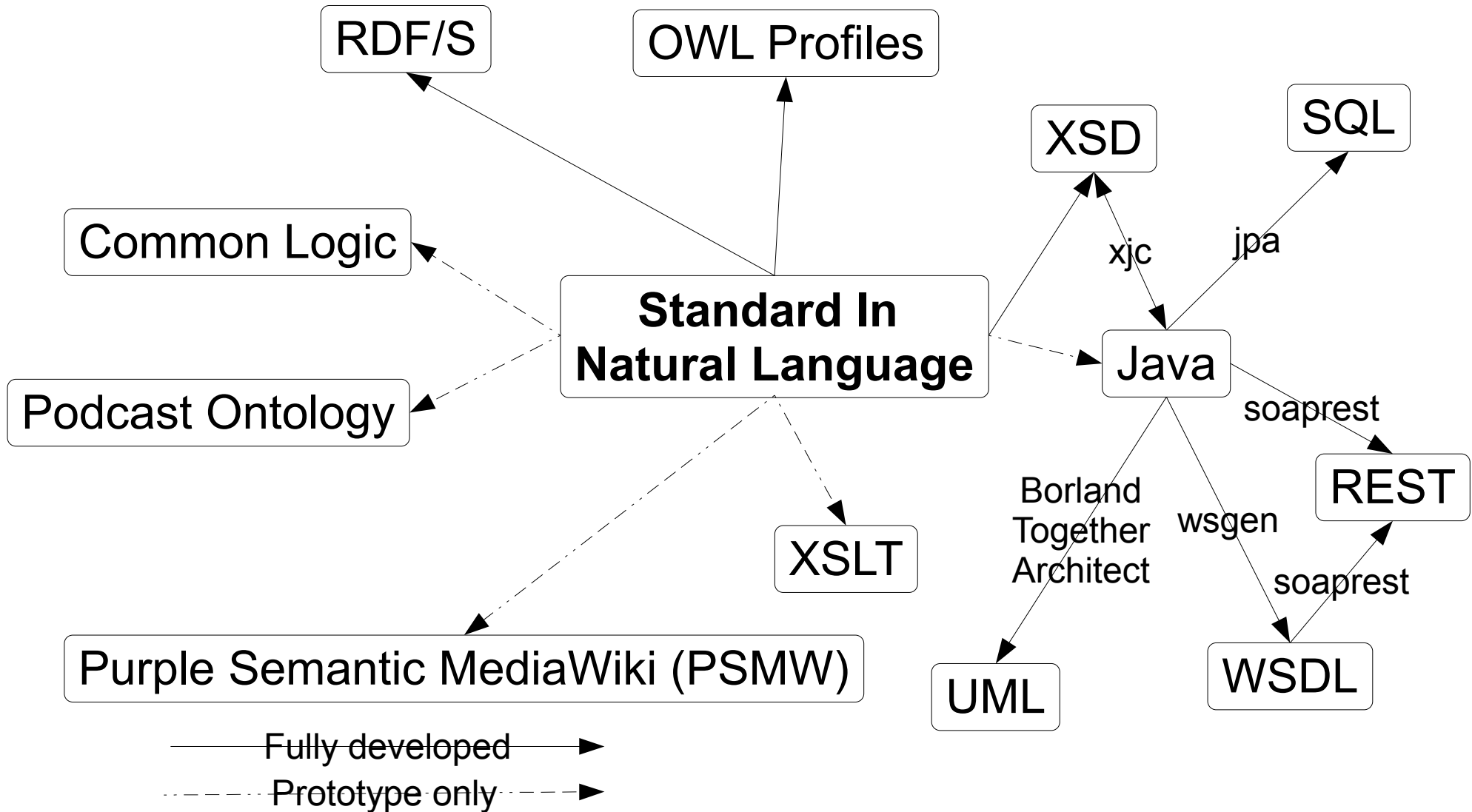
Adding Semantics to the Ontology Summit Website

- Ontology Summit Survey with underlying semantics using PSMW
- Ontology Summit Website based on an ontology for collaborative systems
- Migration of existing content from PurpleWiki to Purple Semantic MediaWiki (PSMW)

Purple Semantic MediaWiki (PSMW)

- MediaWiki is the technology of Wikipedia and related web sites.
- **Semantic Media Wiki** is a large (\$100M+) EU project based in Karlsruhe.
- The Halo project provided the **Halo extension**.
- Purple numbers provide fine-grained access via the **PMWX** project at Northeastern University.

Ontology Mappings



Generated PSMW Pages

- 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

