



Annotation Component for a Semantic Wiki

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ASIDE



1 Entity Suggestions match titles of existing content items. A user may choose the correct entity from a list of possibilities if the title is ambiguous.

2 Suggestions based on Named Entity Recognition recognize entities (person names and locations) that may not exist in the knowledge base yet.

A new entity with a correct type can be generated automatically.

3 Term suggestions, based on statistical automatic term recognition methods, suggest new entities.

Green annotations have a unique resource and a predicate.

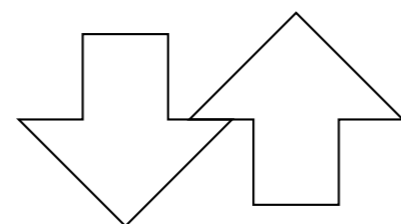
Yellow annotations are incomplete or ambiguous.

Red annotations are inconsistent wrt. the ontology.

4 Type and predicate suggestions based on the ontology.

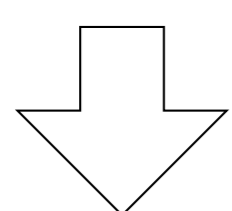
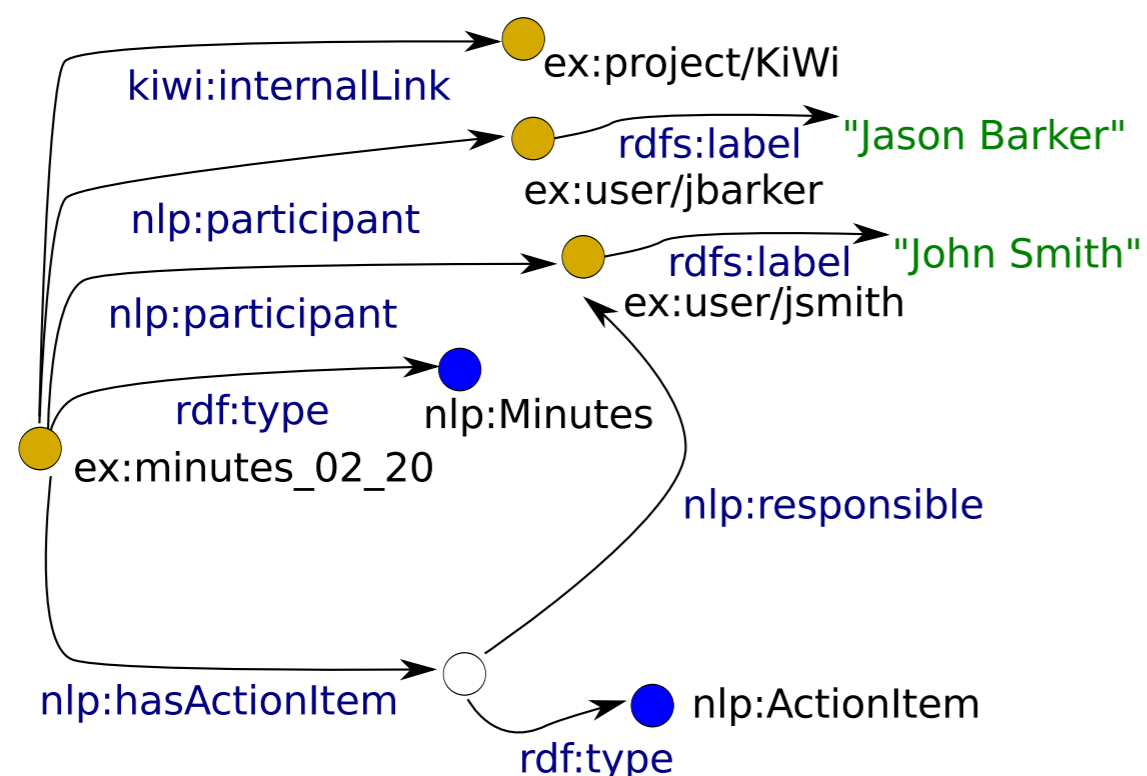
5 Nested Content Items have their own URI and so their own datatype and object properties.

Valid and complete RDFa annotation produces RDF data



RDFa fields in the content are updated if the RDF values change.

RDF



HTML page includes all relevant metadata as RDFa

HTML+RDFa

Minutes 02/20 (watch)

Created on 26/05/2010 - Last update on 26/05/2010 by John Random

Tags: [Edit]

Rating: ★★★★★

Present: John Smith, Jason Barker, John Doe.

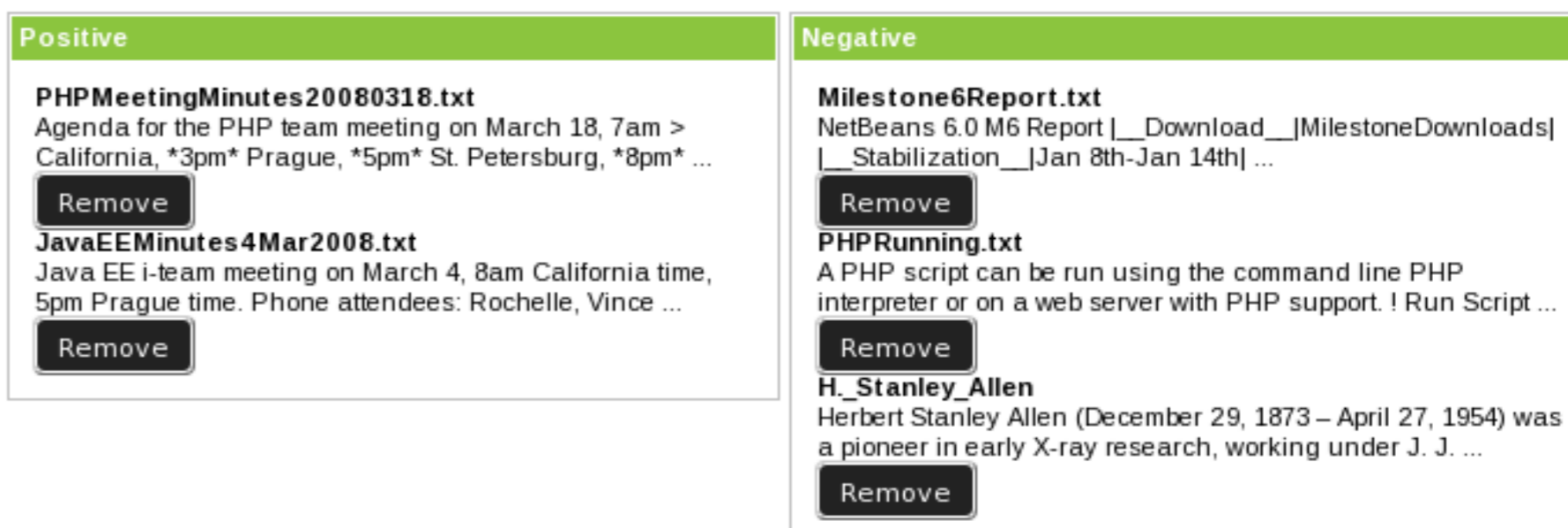
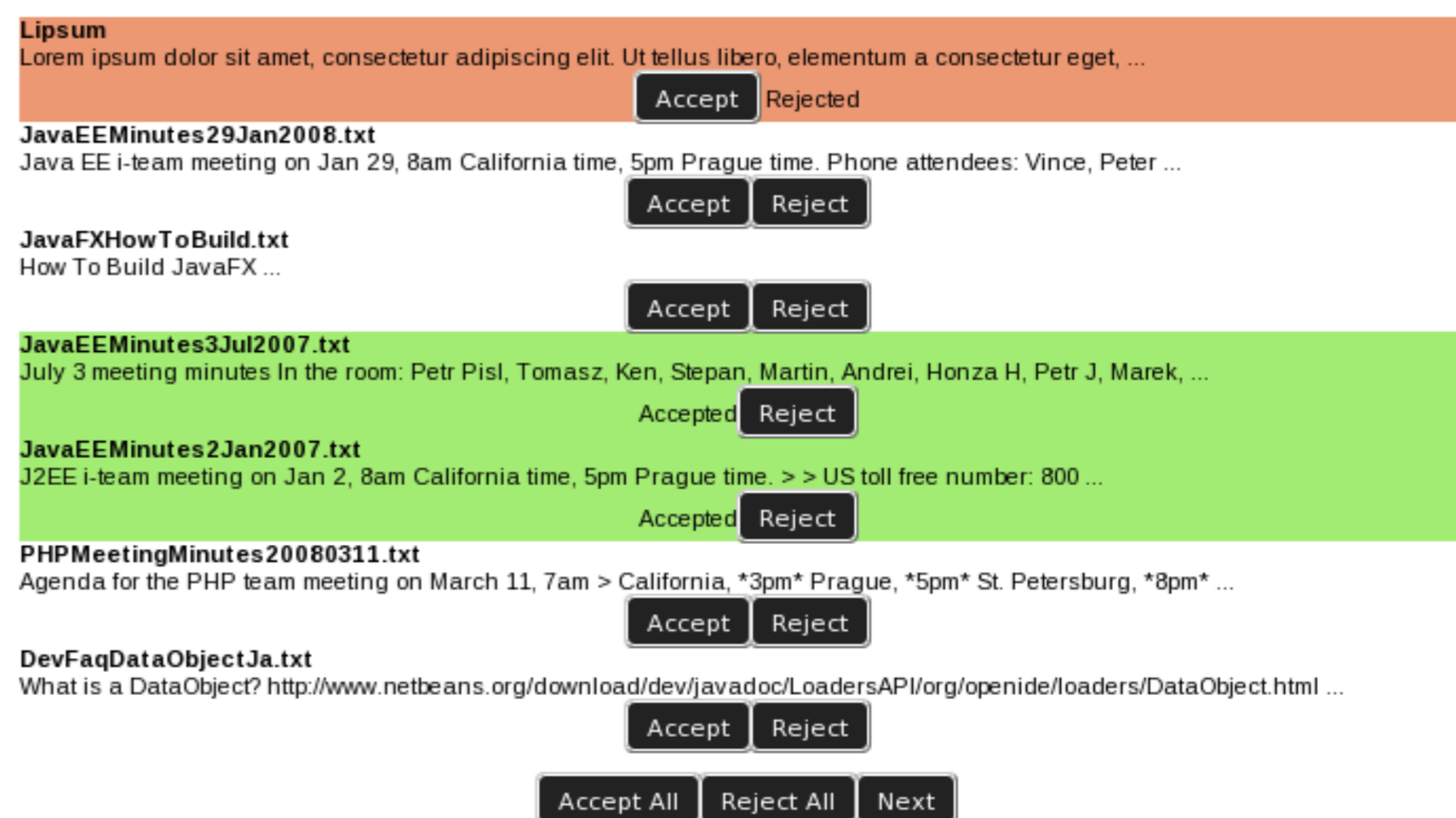
Jason: KiWi Project report, world domination imminent

AP: John Smith, prepare the celebrations.

AP: Jason Barker, make cake.

AMUSE

Suggestions for type "Minutes":



Using machine learning algorithm to annotate by example.

Suggesting Content Item tags and types based on document classification.

Suggesting RDFa link relations based on classification of contexts.



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