

## Annotation Component for a Semantic Wiki

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Minutes 02/20 Annotating content. Select piece of text and click on one of the annotating buttons to create fragments or nested content items Create RDFa Datatype Property Create RDFa Object Property | Create Fragment Tag: John Doe 🤤 🔾 Resource John Doe Predicate nlp:participant 🤤 Meeting Minutes Participants: John Smith Jason Barker John Doe Jason KiWi Project report, world domination imminent Action Item Add nlp:ActionItem Remove responsible: John Doe 🤤 🔾 responsible: John Smith 🤤 🔾 Add Property deadline (nlp) AP: John, prepare the celebrations AP: Jason, make cake

RDFa fields in the content

are updated if the RDF

values change.

of possibilities if the title is ambiguous. 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. Term suggestions, based on statistical automatic term recognition methods, suggest new entities.

1 Entity Suggestions match titles of existing content

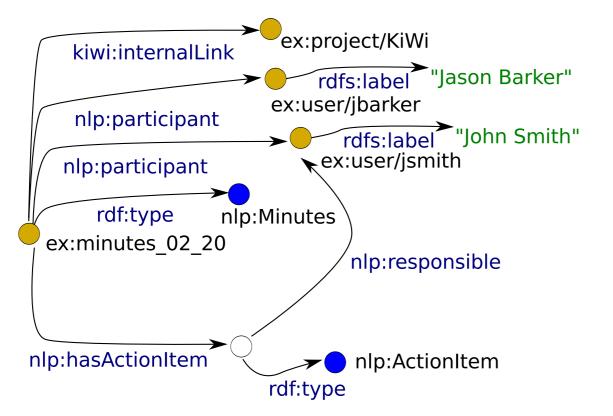
items. A user may choose the correct entity from a list

Green annotations have a unique resource and a predicate.

Yellow annotations are incomplete or ambiguous.

Red annotations are inconsistent wrt. the ontology.

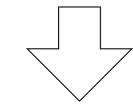
- 4 Type and predicate suggestions based on the ontology.
- Nested Content Items have their own URI and so their own datatype and object properties.



Valid and complete RDFa

annotation produces RDF

data



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.

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JavaEEMinutes4Mar2008.txt

Java EE i-team meeting on March 4, 8am California time

5pm Prague time. Phone attendees: Rochelle, Vince ..





A PHP script can be run using the command line PHP

a pioneer in early X-ray research, working under J. J. .

interpreter or on a web server with PHP support. ! Run Script .

Herbert Stanley Allen (December 29, 1873 - April 27, 1954) was





# **AMUSE**

### Suggestions for type "Minutes":



Using machine learning algorithm to annotate by example.

SEVENTH FRAMEWORK

Suggesting Content Item tags and types based on document classification.

H.\_Stanley\_Allen

Suggesting RDFa link relations based on classification of contexts.