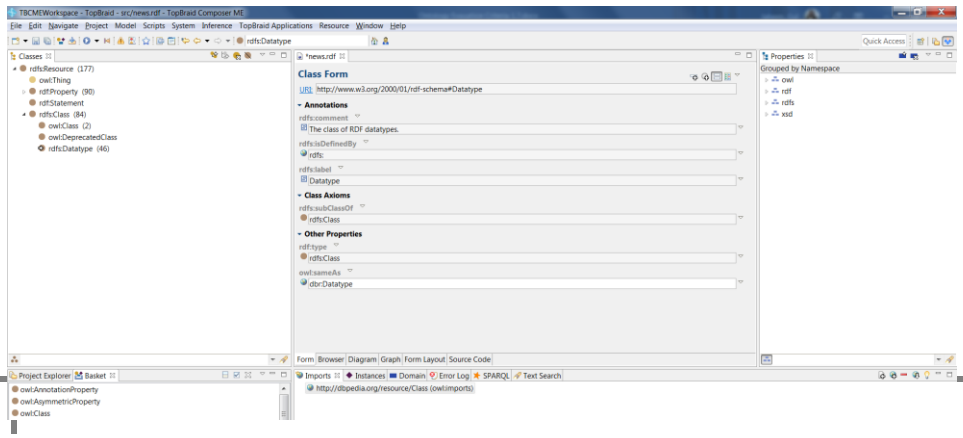
Onology Creation

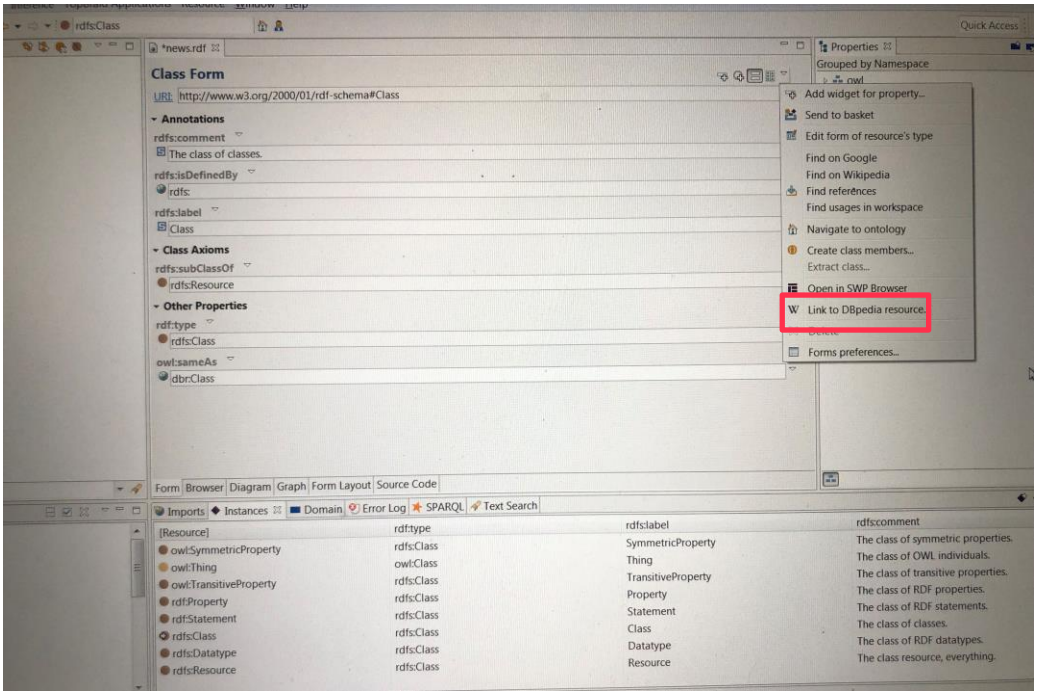
1. Create RDF or OWL from CoreNLP triples.
2. Outside ontology for portal current events: http://dbpedia.org/page/News
3. Connect the ontology to outside ontology.
4. Tool for Linking data to dbpedia:
    - Google Open Refine, TopBraid Composer (commercial)
5. Ontology Editor: Cognitum (free)
    - Several commercial and/or free applications for editing OWL ontologies **protégé**(free, open source) available as desktop application and web application http://protege.stanford.edu/
    - Fluent editor 2014 (commercial, requires Microsoft Windows)
    - W3C Wiki –Ontology editors page http://www.w3.org/wiki/Ontology_editors
6. RDF Editor: GraphDB

Top Braid Tool

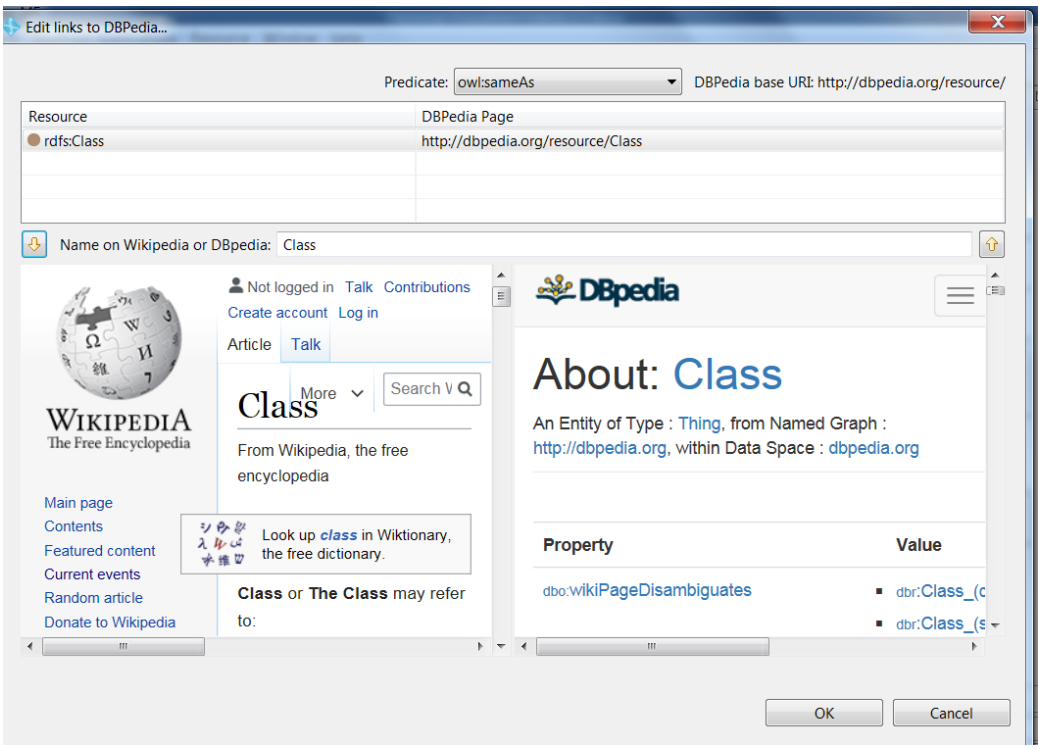
1. First import RDF file in the Workspace.



2. Click on the resource and then click on link to dbpedia

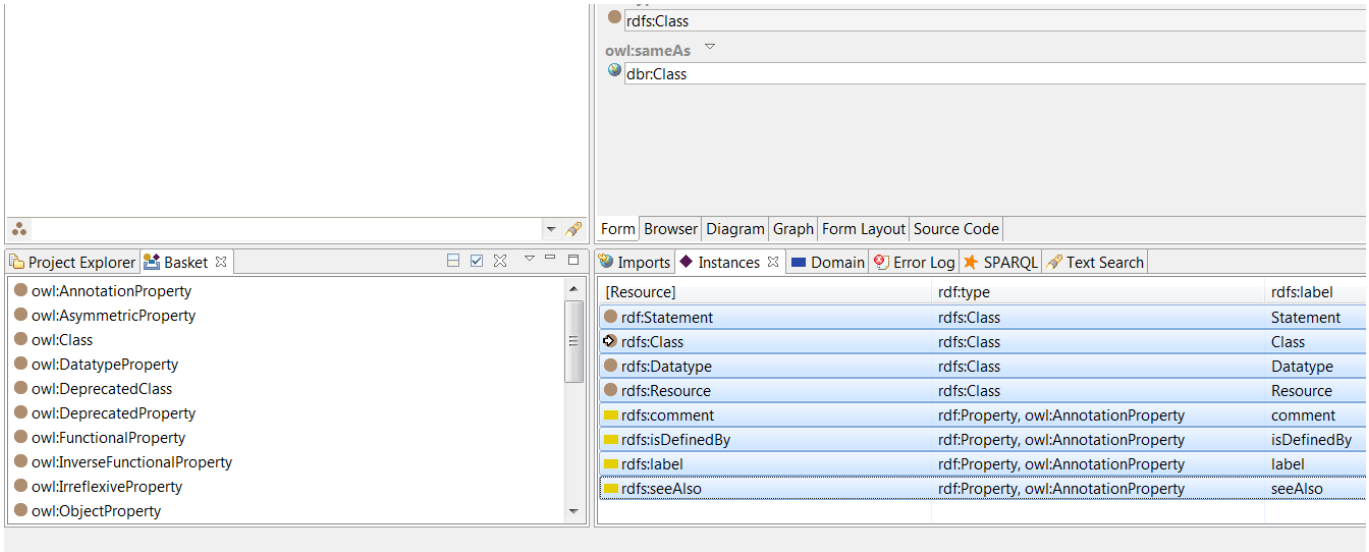


3. Click on the arrow and get a link of outside ontology

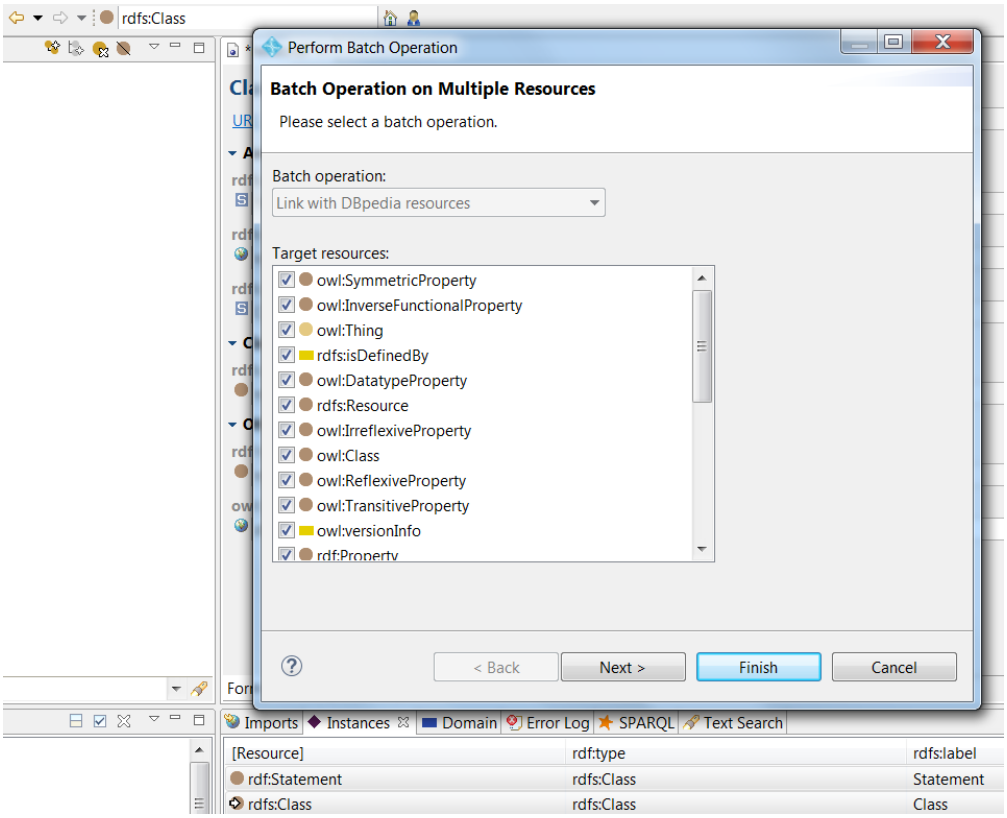


4. Now we have create the SAMEAS relationship between our instance and dbpedia.

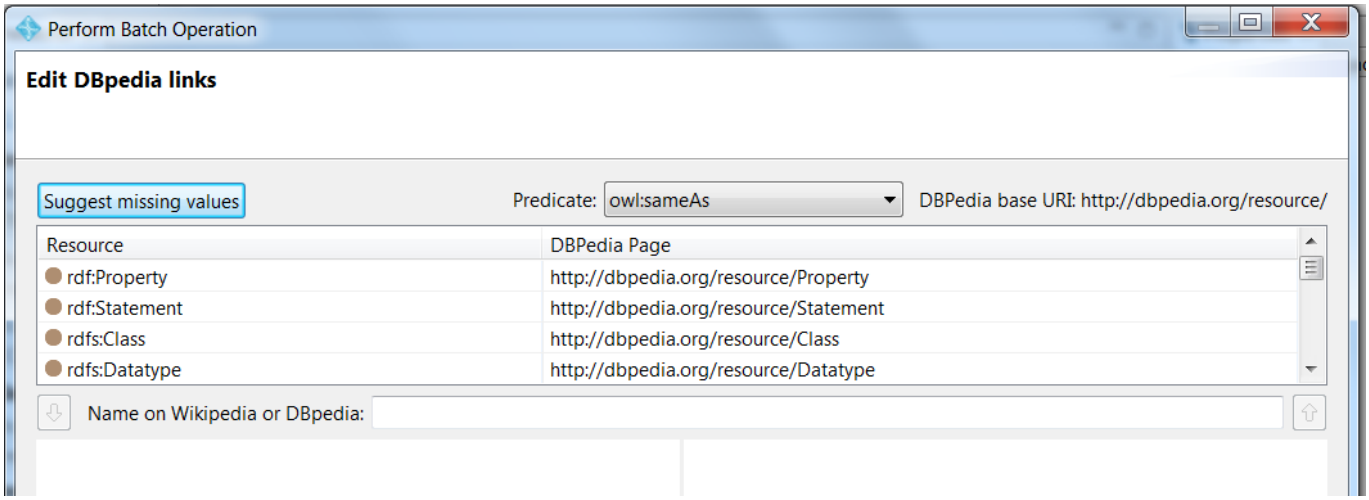
5. Select all instances and put them in a basket



6. Then perform a batch on all instances and get links for all instances



7. Results



Linked Data Driven Web Applications

The easiest way is to make use of a suitable library:

- SPARQL Javascript Library
  http://www.thefigtrees.net/lee/blog/2006/04/sparql_calendar_demo_a_sparql.html
- ARC for SPARQL (PHP) https://github.com/semsol/arc2/wiki
- dotNetRDF (C#) http://dotnetrdf.org/
- Jena/ARQ (Java) http://jena.sourceforge.net/
- Sesame (Java) http://rdf4j.org/
- SPARQL Wrapper (Python) http://sparql-wrapper.sourceforge.net/

Linked Data Links

1. Equivalence links
   owl:sameAs connects identical
2. Individuals (entities)
   owl:equivalentClass connects equivalent classes