Upper ontologies and ontology matching

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1 Exercises – Upper ontologies and ontology matching

The exercises are targeted to practice building ontologies with help of upper ontologies.

Ex. 1 — Create 2 separate ontologies that will realize mappings between the ZOO ontology from previous lecture and DOLCE ontology, BFO ontology, respectively (see sec. 2 for links to ontologies). The entities for mappings will be provided.

Ex. 2 — Move ODP specific axioms from the ZOO ontology to separate ontology that will realize mapping between those ontologies.

2 References for exercises

- DOLCE ontology :
    - Home page – `http://www.loa.istc.cnr.it/old/DOLCE.html`
    - DOLCE-Lite v3.9 with DOLCE-Lite-Plus libraries – `http://www.bbc.co.uk/nature/species.rdf`)
    - DOLCE+DnS Ultralite ontology used within ontologydesignpattern.org – `http://www.ontologydesignpatterns.org/ont/dul/DUL.owl`

- BFO ontology :
    - Info page – `https://code.google.com/p/bfo/`
    - Last version of BFO ontology – `http://purl.obolibrary.org/obo/bfo/2012-11-15-bugfix/bfo.owl`