Use Case 1.2 - Triples Examples

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Expanding Use Case 1.1

The triples on this page expand the set of triples specified for Use Case 1.1.

Ontologies

The following is a list of all ontologies used by the Triple Examples.

Name	Prefix	URL	Details	Comments
RDF	`rdf`	`http://www.w3.org/1999/02/22-rdf-syntax-ns#`	specification	
RDF Schema	rdfs	`http://www.w3.org/2000/01/rdf-schema#`	specification	
Dublin Core	dc	`http://purl.org/dc/elements/1.1/`	specification	
Dublin Core Terms	dcterms	`http://purl.org/dc/terms`	specification	Required by OA
Dublin Core Types	dctype	`http://purl.org/dc/dcmitype`	specification	Required by OA
Content	cnt	`http://www.w3.org/2011/content#`	specification	Required by OA
ORE	ore	http://www.openarchives.org/ore/1.0/vocabulary#otherRelationships	specification	Recommended as an alternative to the Collections ontology by Rob. Represents both ordered and unordered items using the Aggregation class.
Collections	co	`http://purl.org/co`	specification	Can represent unordered items using the Bag class and ordered items using the List class.
Open Annotation	oa	`http://www.w3.org/ns/oa`	specification	
Friend of a Friend	foaf	`http://xmlns.com/foaf/0.1`	specification	Also used by OA

Virtual Collections

Virtual Collection's owner

> *Same as for Use Case 1.1.*

Virtual Collection's collaborators

Note: The collaborators are represented by their group as dc:contributor in the Virtual Collection's metadata.

n-triples

```
<http://localhost:3000/individual/fg346> <http://www.w3.org/1999/02/22-rdf-syntax-ns#type> <http://xmlns.com
/foaf/0.1/Agent> .
<http://localhost:3000/individual/fg346> <http://www.w3.org/1999/02/22-rdf-syntax-ns#type> <http://xmlns.com
/foaf/0.1/Group> .

<http://vivo.cornell.edu/individual/individual24416> <http://www.w3.org/1999/02/22-rdf-syntax-ns#type>
<http://xmlns.com/foaf/0.1/Person> .
<http://vivo.cornell.edu/individual/individual24416> <http://xmlns.com/foaf/0.1/member> <http://localhost:3000
/individual/fg346> .
<http://vivo.cornell.edu/individual/rjv23> <http://www.w3.org/1999/02/22-rdf-syntax-ns#type> <http://xmlns.com
/foaf/0.1/Person> .
<http://vivo.cornell.edu/individual/rjv23> <http://xmlns.com/foaf/0.1/member> <http://localhost:3000/individual
/fg346> .
<http://vivo.cornell.edu/individual/EleanorRayle> <http://www.w3.org/1999/02/22-rdf-syntax-ns#type>
<http://xmlns.com/foaf/0.1/Person> .
<http://vivo.cornell.edu/individual/EleanorRayle> <http://xmlns.com/foaf/0.1/member> <http://localhost:3000
/individual/fg346> .
```

Turtle

```
@prefix foaf:    <http://xmlns.com/foaf/0.1> .

<http://localhost:3000/individual/fg346> a foaf:Agent, foaf:Group .

<http://vivo.cornell.edu/individual/individual24416> a foaf:Person ;
  foaf:member <http://localhost:3000/individual/fg346> .
<http://vivo.cornell.edu/individual/rjv23> a foaf:Person ;
  foaf:member <http://localhost:3000/individual/fg346> .
<http://vivo.cornell.edu/individual/EleanorRayle> a foaf:Person ;
  foaf:member <http://localhost:3000/individual/fg346> .
```

Virtual Collection's metadata

> *Same as for Use Case 1.1 plus triples representing collaborators.*

n-triples

```
<http://localhost:3000/individual/vc155> <http://purl.org/dc/elements/1.1/contributor> <http://localhost:3000
/individual/fg346> .
```

Turtle

```
@prefix dc:    <http://purl.org/dc/elements/1.1/> .

<http://localhost:3000/individual/vc155>
  ...
  dc:contributor       <http://localhost:3000/individual/fg346> .
```

QUESTIONS:

- Should dc:contributor be used for collaborators role? Same question asked for dc:creator and ownership in Use Case 1.1. See that Use Case for more information on possible alternatives.
  - ANSWER: NO - per Paolo
  - REASON: Muddy concept. What exactly is the meaning of someone who is a contributor?
  - ALTERNATIVE: Under exploration. Paolo recommends looking at...

- PROV ontology - provenance
- PAV ontology - provenance, authoring, and versioning