Instrument Search

Engineering Project

Example
Instrument Search

- This is example of using instrument ontology and instance of artist and instrument to perform semantic search.

- Presetting:
  - Tomcat
  - Java
  - Jena
  - Ant
  - Pellet
<rdf:Description rdf:about="#person/47">
  <vocab:Person_PersonID rdf:datatype="http://www.w3.org/2001/XMLSchema#int">47</vocab:Person_PersonID>
  <foaf:givenName>Willie</foaf:givenName>
  <foaf:address/>
  <foaf:familyName>Scott</foaf:familyName>
  <rdfs:label>Willie_Scott</rdfs:label>
  <rdf:type rdf:resource="http://xmlns.com/foaf/0.1#Person"/>
</rdf:Description>
Ontology

• instruments.rdfs

```xml
  <rdfs:comment></rdfs:comment>
  <rdfs:subClassOf rdf:resource="http://purl.org/ontology/mo/Instrument"/>
  <rdfs:isDefinedBy rdf:resource="http://www.easaier.org/scottish-music-instruments/"/>
  <rdf:type rdf:resource="http://www.w3.org/2002/07/owl#Class"/>
</rdfs:Class>
```
Semantic Search

Artists

- Tommy Kettles plays [Accordion-Button]
- Sandy Brechin plays [Accordion-Piano]
- George MacPherson plays [Accordion-Piano]
- Donald Allan MacQueen plays [Pipes-Chanter]
- Hugh MacDonald Kennovay plays [Pipes-Chanter]
- Dr B.J. Maclachlan Orme plays [Pipes-Highland]
- Isaac Higgins plays [Pipes-Highland]
- Donald MacPherson plays [Pipes-Highland]
- John MacDonald plays [Pipes-Highland]
- Mr R. Fairweather plays [Pipes-Highland]
- Alec Stewart plays [Pipes-Highland]
- Captain J A MacLellan plays [Pipes-Highland]