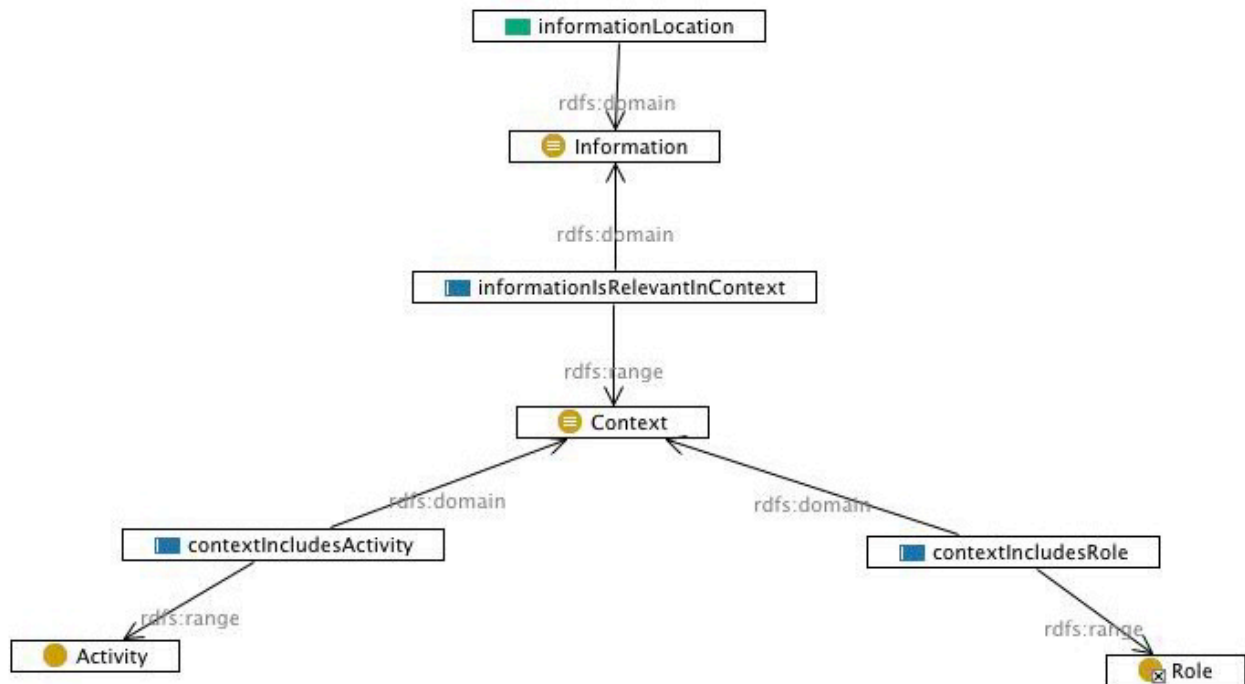


Context Dependant Information

Illustration 1 (TopBraid notation):



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Example OWL representation: http://www.infoeng.se/~karl/images/f/f5/Context_Dependant_Information.owl

Domain: General

Maturity level: Draft

Purpose: To model the case when some information is deemed especially relevant for a particular role performing a particular action.

Example use cases:

- Medical doctors using different diagnostics manuals than non-medically trained people when diagnosing illnesses.
- Car mechanics using different guidelines when servicing exhaust systems than brake pedals.

Application guidelines:

- One or more role(s) are typically assigned to a person.
- The activities that are performed in the target domain are modelled as Activity instances.
- Both Role and Activity can be subclassed depending on one's needs.
- Roles and Activities are joined by context, for instance "Doctor doing diagnosis" or "Medically unskilled person doing diagnostics". What Information instance is deemed relevant for each context is decided by way of the "informationIsRelevantInContext" property.

- Each Information instance has properties denoting where that information is located. In the illustration above this is a datatype property that can contain a URI, though one could conceive of many different information sorting schemes (library catalogues, journal databases, etc).

Competency Questions:

- What information is available that in some way deals with task X?
- What documents are available that are relevant only for an Astronomer (role) doing task Y?
- I am a PhD Student (role). What documents are there that I could be interested in, of any topic?

Requirements:

- No known requirements.

Consequences:

- No known consequences.