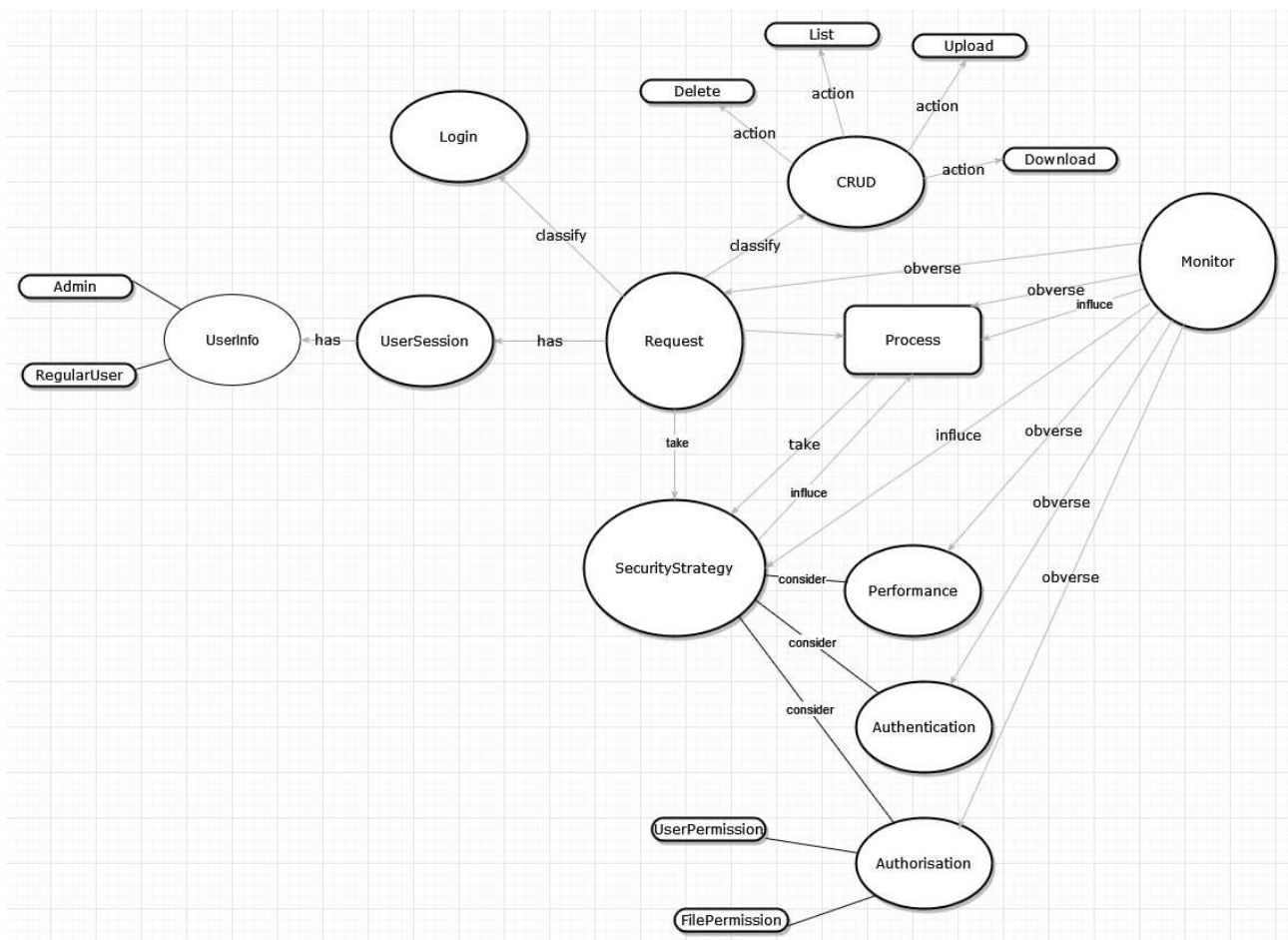# Ontology of The Security Respository for CERN

Ontology can be considered as a self-consistence system. The system includes all the necessary information, constraints, axioms, and relationships. The user/computer can use these descriptions to construct base knowledge for a domain; further, the computer can understand meaningful representations with the domain knowledge and do computing to gain automation infer ability. When constructing an ontology, the activity is very similar to software system design, abstract to detailed, interface to a specific class, and build the relationship between various concepts (Noy, N.F. and McGuinness, D.L., 2001).

Referece:

Noy, N.F. and McGuinness, D.L., 2001. *Ontology development 101: A guide to creating your first ontology*.