

Semantic Web Engineering

Exercise 2 - Resource Description Framework (RDF)

Due: 12:00 am, October 28, 2010 reif@ifi.uzh.ch

Required Reading: RDF Primer <http://www.w3.org/TR/rdf-primer/>

Use the RDF Primer and the lecture slides to answer the following questions. Be prepared to present your solutions in the lecture on October 29, 2010.

Following tools might be helpful:

- Protege Ontology Editor <http://protege.stanford.edu>

1. Possibilities and Limitations in RDF Schema

Can the following statements be expressed in RDF Schema. Discuss your answer. If it can be modeled, give your solution.

- Every pizza is food.
- Every pizza has at least two toppings.
- Every instance of the class `PizzaMargarita` has the topping `Tomato`.
- Everything that has a topping is a pizza.
- No instance of the class `PizzaMargarita` has a topping from the class `Meat`.