

Introduction to the Semantic Web

Worksheet 3: RDFS

Deadline: Tuesday, October 30, 13:00

Question 1

Use reification to represent each of the following sentences separately in RDF. Use the Turtle serialization format.

1. Charly says that Flipper is a mammal.
2. Charly says that his father says that Flipper is a fish.

Question 2

Decide whether the following properties can be satisfactorily modeled in RDFS and, if so, give the corresponding RDFS specification (<http://www.w3.org/TR/rdf-schema/>).

1. *Every pizza is a meal.*
2. *Pizzas always have at least two toppings.*
3. *Every Margherita pizza has a tomato topping.*
4. *Everything having a topping is a pizza.*
5. *No Margherita pizza has a meat topping.*