

CS 7320

A6 Knowledge Representation / Knowledge Engineering

Due: Thursday @ noon 3/28

You may work alone or work with others as a team (of 2 or 3).

Select a domain of your choice and represent some knowledge about it. Some suggested options include:

- Sports
- Food
- Network Security
- Movies
- Music
-

For your domain ask:

- what are some objects in my domain?
- what are their properties?
- what are the categories of these objects? (Classes)
- what are some relationships between objects?

Then, take a look at <http://www.schema.org> which contains a large catalog of predefined classes, properties and relationships. Try and use as many of these as you can. feel free to use any foaf classes and properties that pertain to your domain. Include one or more classes or properties that you define (i.e. is not in foaf or schema.org)

Prepare a N3 text file of 10-25 triples. Validate with the semweb.jar file used in Assignment 1. Use the same class namespace used in A1 to define your objects.

Submit:

A text file of your Turtle/N3 file that has been validated for correctness. No need to submit the validation, only the text.

Note:

If you work in a team, include a comment in your Turtle file that includes the team members. Each team member should submit the same file. If you work in a team you should have 25-50 triples.

Comments begin with # and continue to the end of the line.

Useful Links:

see: <https://schema.org/docs/gs.html>

see: SPARQL in 11 minutes: <https://www.youtube.com/watch?v=FvGndkpa4K0>