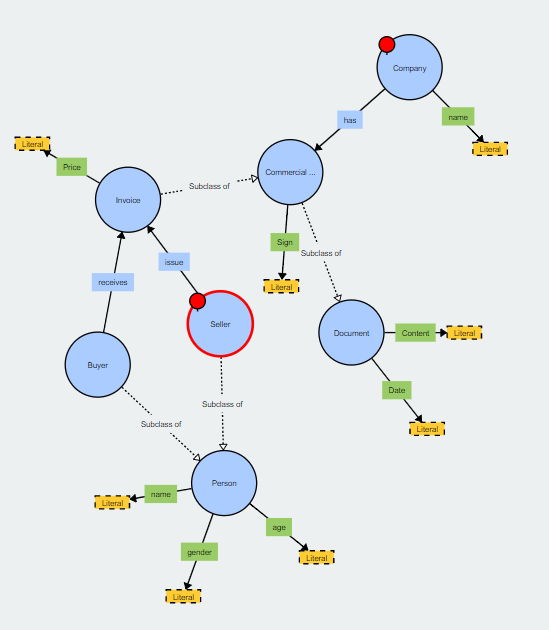
# Part I: Collection of situations

## S1. An invoice is a commercial document issued by a seller to a buyer (WebProtégé or WebVOWL).

\*Note: In order to describe Part I, the document should include functional representation, graphical representation and OWL Code for all the n-ary relation patterns modeled.

* Functional representation:
* Graphical representation:

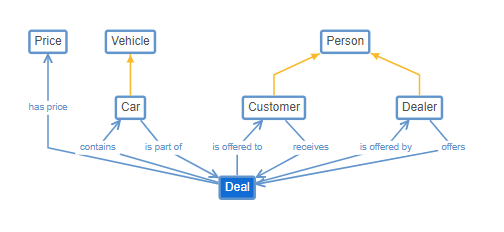


* OWL code:

## S6. Dealers offer cars to customers for a certain price (WebProtégé).

<https://webprotege.stanford.edu/#projects/dfec7708-494b-4206-ad6d-0abefe21896f/edit/Classes>

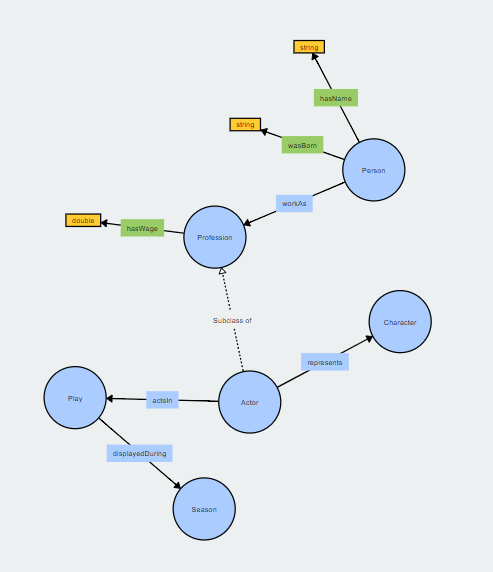
* Functional representation:
* Graphical representation:



* OWL code:

## S7. An actor plays a character in a play during a season (WebVOWL).

* Functional representation:
* Graphical representation:

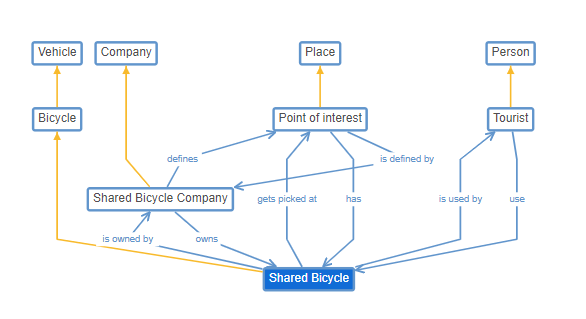


* OWL code:

## S8. Tourists use bicycles from shared bicycle services, picking them up and returning them at points of interest (WebProtégé).

<https://webprotege.stanford.edu/#projects/1403b9df-4803-4599-a04e-907f8b8451aa/edit/Classes>

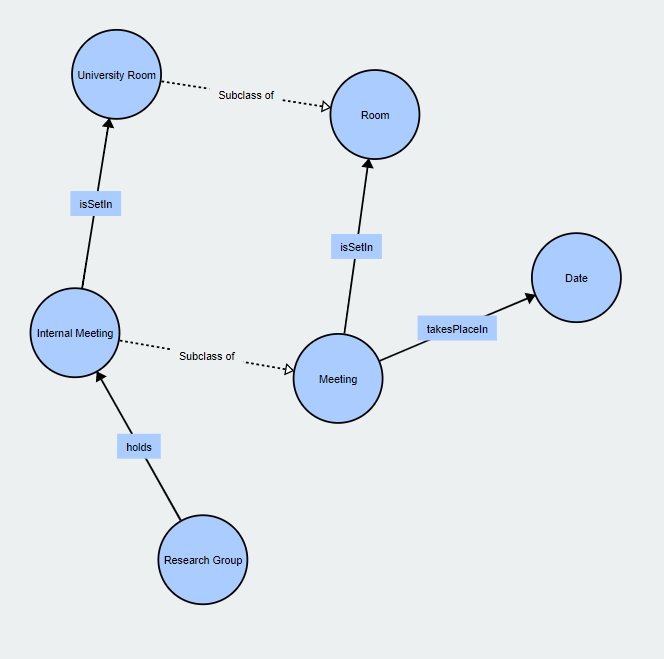
* Functional representation:
* Graphical representation:



* OWL code:

## S9. Research groups hold internal meetings at specific dates and times in a meeting room (WebVOWL).

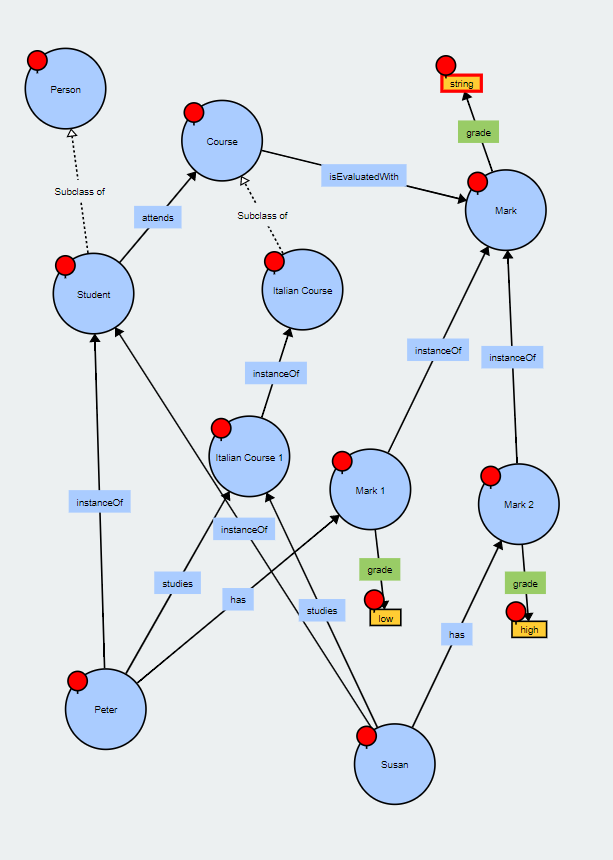
* Functional representation:
* Graphical representation:



* OWL code:

## P1. Peter received a low mark in the Italian course and Susan a high mark in such a course (WebProtégé or WebVOWL).

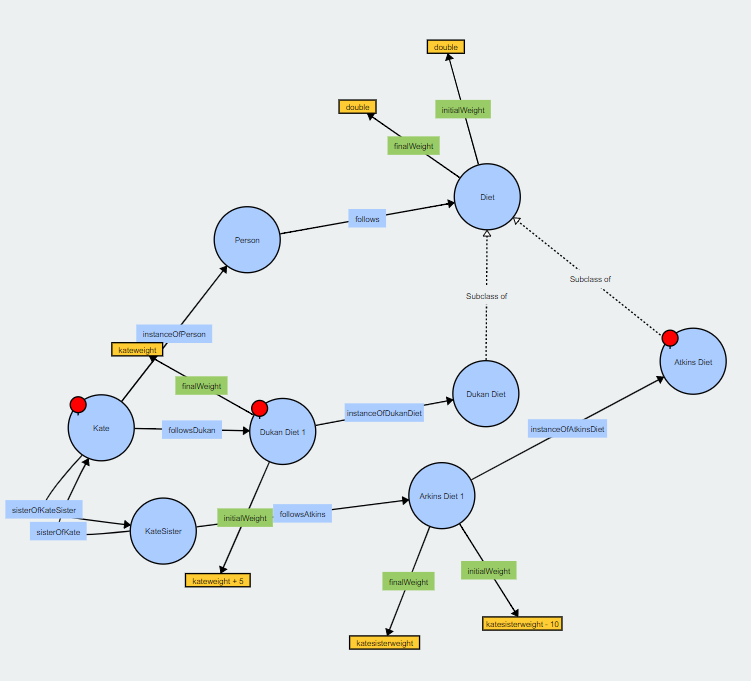
* Functional representation:
* Graphical representation:



* OWL code:

## P2. Kate lost 5 kilos thanks to the Dukan diet, and her sister has gained 10 kilos with the Atkins diet (WebProtégé or WebVOWL).

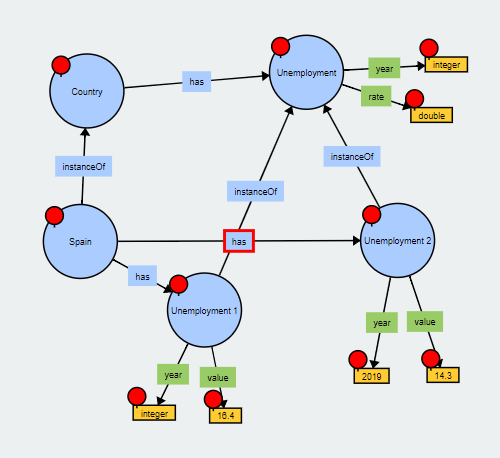
* Functional representation:
* Graphical representation:



* OWL code:

## P3. The unemployment rate in Spain is high, however is dropping (WebProtégé or WebVOWL).

* Functional representation:
* Graphical representation:



* OWL code:

# Part II: Develop an ontology network in Education domain.

\*Note: Education: The ontology must model (at least) elements related to academic degree, courses, subjects, teachers, educational materials, as well as assignments, exercises, exams among others.

\*Note: In order to describe Part I, the document should include functional representation, graphical representation and OWL Code for all the n-ary relation patterns modeled.

## Task A:

## Task B: