Intelligent Systems



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*Intelligent Systems*

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# Part 1

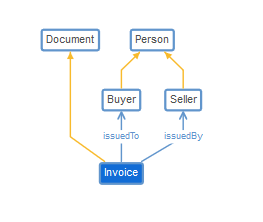
The following situations must be modeled using n-ary relation pattern:

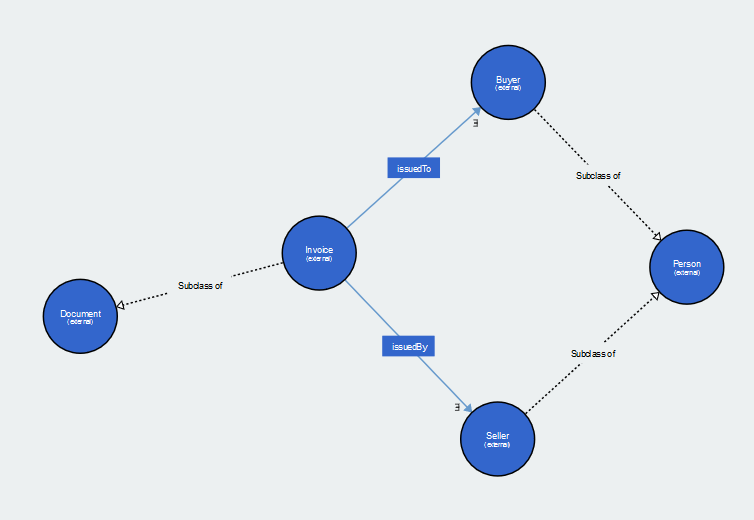
## S1: An invoice is a commercial document issued by a seller to a buyer

### Functional representation

Invoice(Buyer,Seller)

### Graphical representation

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### Owl code

The different links to access the code are:

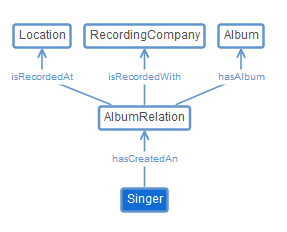
* [WebProtegé S1](https://github.com/jomartla/IntelligentSystemsAssignment/blob/master/Part%201/Turtle/WebProtege_S1.ttl)
* [WebVOWL S1](https://github.com/jomartla/IntelligentSystemsAssignment/blob/master/Part%201/Turtle/WebVOWL_S1.ttl)

## S2: Singers record their albums with a recording company in a particular location

### Functional representation

AlbumRelation(Singer,Location,RecordingCompany,Album)

### Graphical representation

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### Owl code

The different links to access the code are:

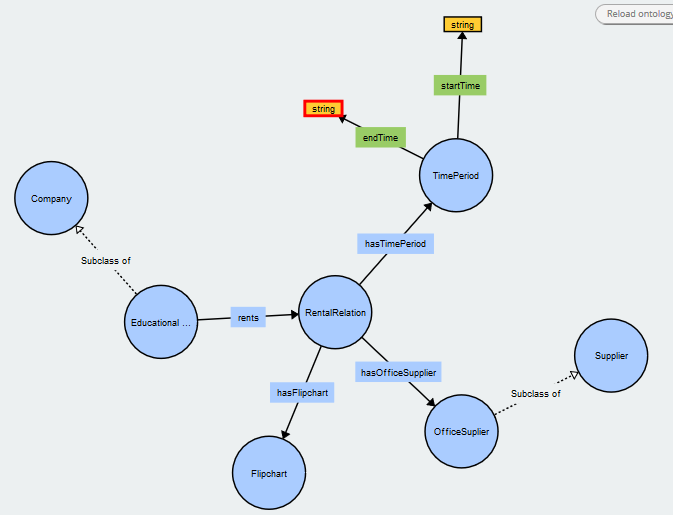
* [WebProtegé](https://github.com/jomartla/IntelligentSystemsAssignment/blob/master/Part%201/Turtle/WebProtege_S2.ttl)

## S3: Educational companies rent flipcharts to office suppliers during a certain time

### Functional representation

AlbumRelation(Singer,Location,RecordingCompany,Album)

### Graphical representation

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### Owl code

The different links to access the code are:

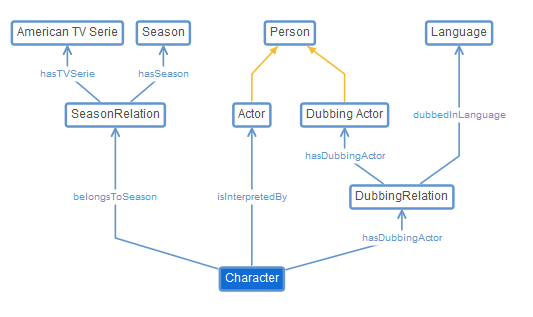
* [WebVOWL](https://github.com/jomartla/IntelligentSystemsAssignment/blob/master/Part%201/Turtle/WebVOWL_S3.ttl)

## S4: The characters of the different seasons of the American TV series are interpreted by actors and dubbed into other languages by dubbing actors

### Functional representation

Character(Actor,Dubbing Actor, American TV Serie)

### Graphical representation



### Owl code

The different links to access the code are:

* [WebVOWL](https://github.com/jomartla/IntelligentSystemsAssignment/blob/master/Part%201/Turtle/WebVOWL_S3.ttl)