## **Entity annotation Documentation**

Entity type description

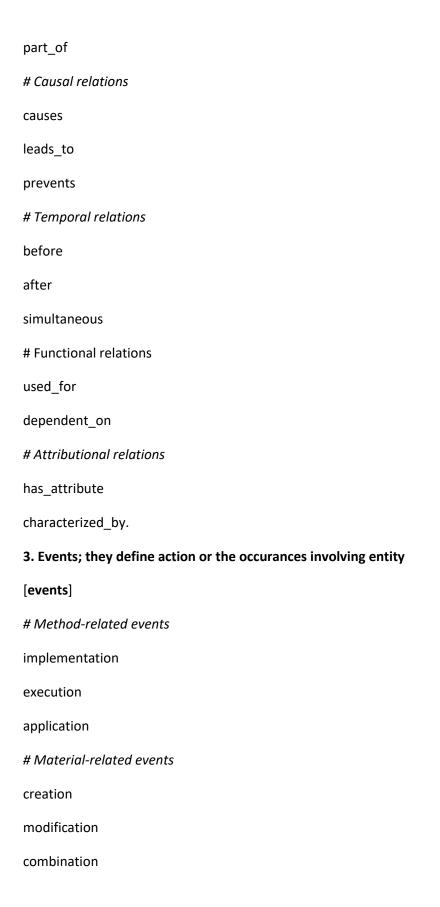
- >. Structure such as neural system.
- >. Material we can give an example of magnetic material.
- >. Methods like the neural circuit .
- >. **Features** let's say performance and advantages.
- >. **Functional** for example we only make the function of the entire invention.
- >. Energy which includes incorporating both physical energy and related quantities .
- >. Matter mata is categorized into three states of matter that is solid liquid and gas .
- >. **Information** which includes the signals data and numeric values that are being incorporated into the entity annotation.
- >. **Problems** the includes the defects for example large charge densities.
- >. Attributes The attributes includes conductive structures such as surface of a material.
- >. Operation like progress stage and instructions
- >. Application of the entire entity annotation according to the specified data or rules and where it's being applied in real life situation using the concept of data annotation.

For the first instructions provide, now let's define the hiracle ontologies for entity types relation, bypass relation types, event types and attribute based on the ACE'05 entity definitions and the categories provided now let's define the annotation from each subsection starting with entities.

Let's define the hierarchical ontologies for entity types, relation types, event types, and attributes based on the ACE'05 entity definitions and the categories provided in your assignment instructions. I'll create a structured format for each category:

## [entities] # Physical entities structure material substance

## # Conceptual entities **function** scientific concept information energy # Method entities method operation interaction # Characteristics $features\_performance\_advantages$ <mark>attributes</mark> state # Situational entities application\_scenarios problem question # Other entities task 2.Relation :Now they define how the entity annotation are related to each other [relations] # Spatial relations located\_at adjacent\_to



# Functional events	
operation	
performance	
failure	
# Situational events	
occurrence	
detection	
identification	
4.Attributes ;they describe the characteristics of each entities.	
[attributes]	
# Structural attributes	
size	
shape	
color	
material	
# Performance attributes	
efficiency	
speed	
accuracy	
# State attributes	
status	
condition	
state	
# Quantitative attributes	

<mark>value</mark>

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level

These are the required structure or the layout of what is required for the documentation of the entity annotation.