

SHRI VILEPARLE KELAVANI MANDAL'S DWARKADAS J. SANGHVI COLLEGE OF ENGINEERING



(Autonomous College Affiliated to the University of Mumbai) NAAC ACCREDITED with "A" GRADE (CGPA: 3.18)

DEPARTMENT OF INFORMATION TECHNOLOGY

COURSE CODE: DJ19ITL801 DATE: 14/03/2024

COURSE NAME: Semantic Web Technology Laboratory CLASS: I1-2

EXPERIMENT NO. 8

AIM / OBJECTIVE:

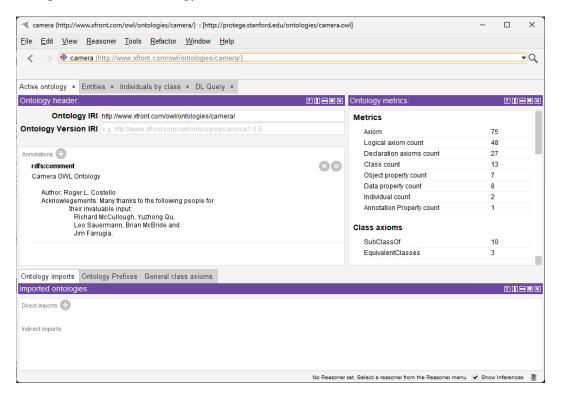
Design of Ontology using RDFS

THEORY:

The camera ontology is a well-known ontology in the semantic web community. It is developed for educational purposes by the University of Manchester, which is a leading university in the development of semantic technologies.

PROCEDURE:

1. Upload camera Ontology from the URL.



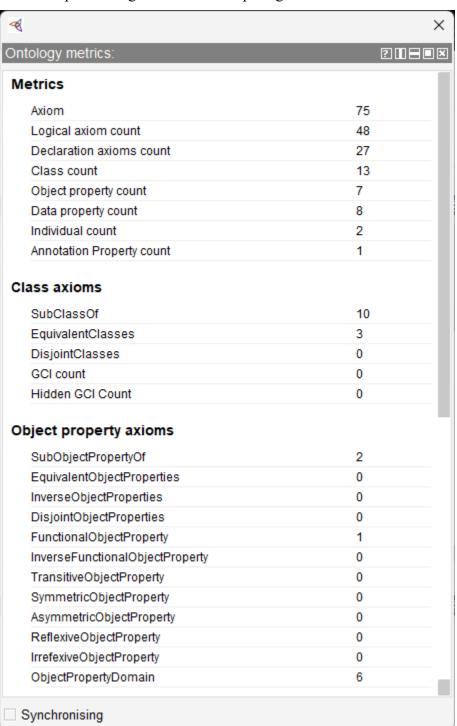


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2. Explore using various tools in protégé.



3. Browse the class hierarchy, the property hierarchies and the individuals and note how the ontology describes the domain of pizzas.



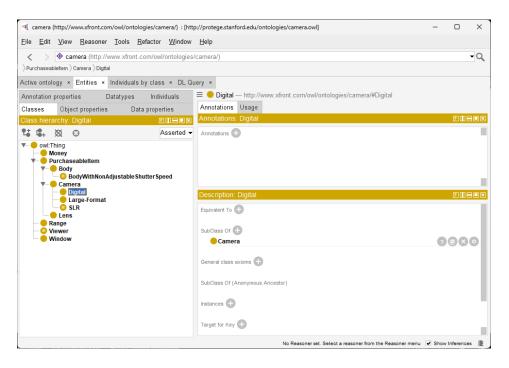
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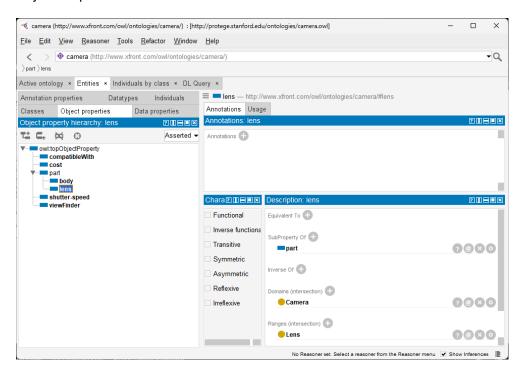
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OUTPUT:

Classes



Object Properties



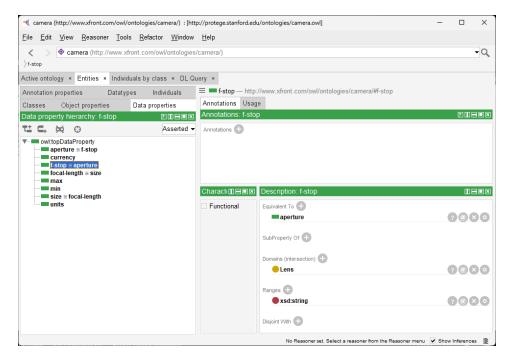


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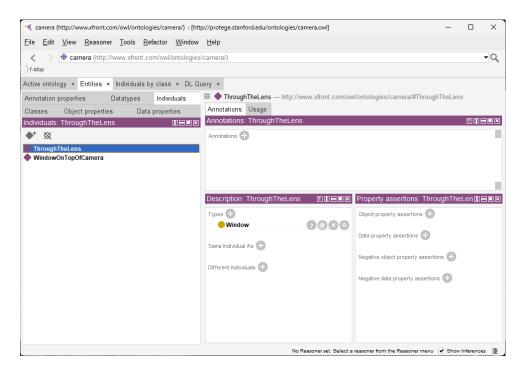


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Data Properties



Individuals



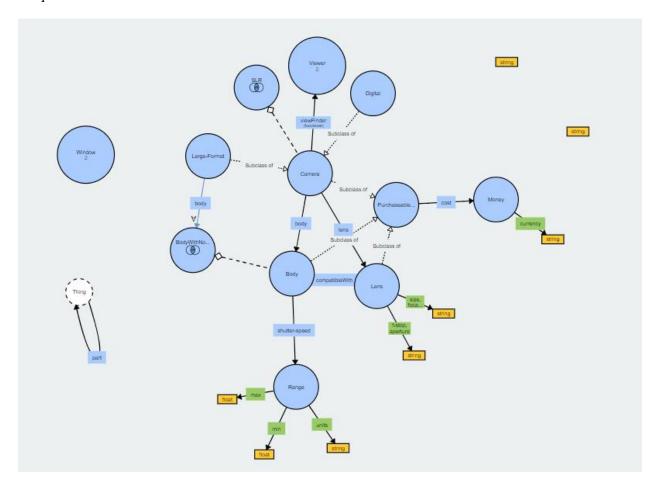


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Graph:



CONCLUSION: Thus, we have successfully imported the camera ontology from the web into protégé and have explored the ontology.

BOOKS AND WEB RESOURCES:

- [1] https://cambridgesemantics.com/blog/semantic-university/learn-owl-rdfs/
- [2] https://medium.com/@vindulajayawardana/ontology-generation-and-visualization-withprot%C3%A9g%C3%A9-6df0af9955e0
- [3] https://service.tib.eu/webvowl/#iri=http://protege.stanford.edu/ontologies/camera.owl