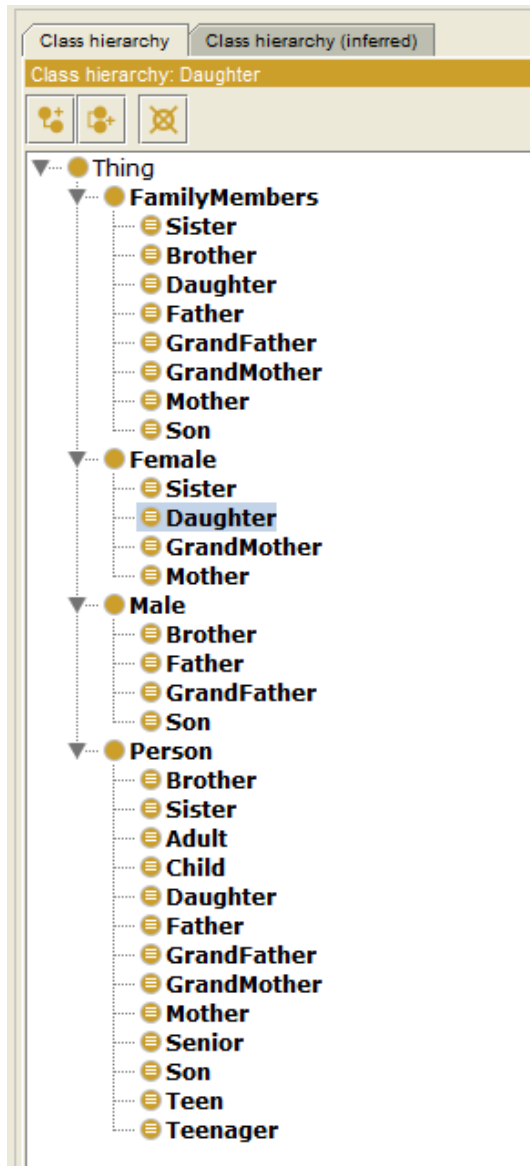


# Ontology

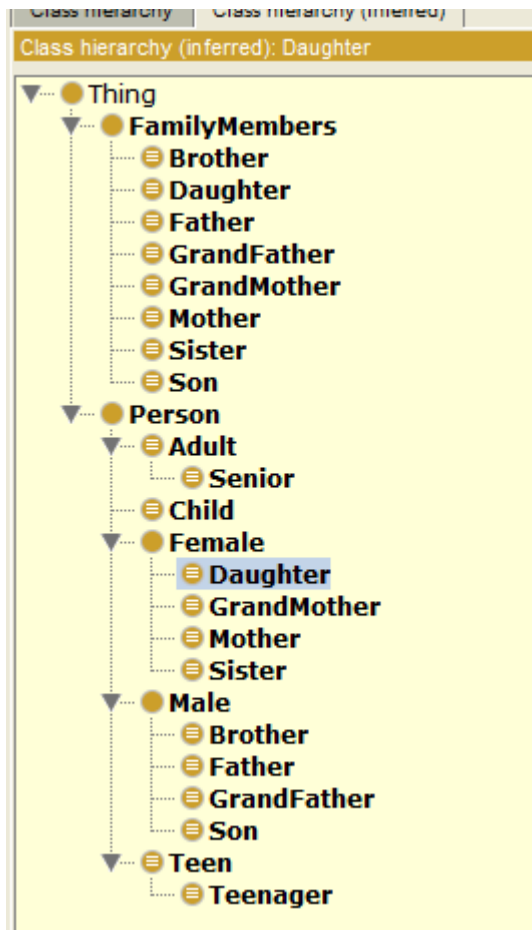
This project is developed as assigned by Dr. Lee at University of Missouri at Kansas City.

This ontology explains about few basic family relations. Not every possible relationship is included but this ontology is developed to include as many as possible features of OWL ontology. This ontology is developed using open source tool Protégé.

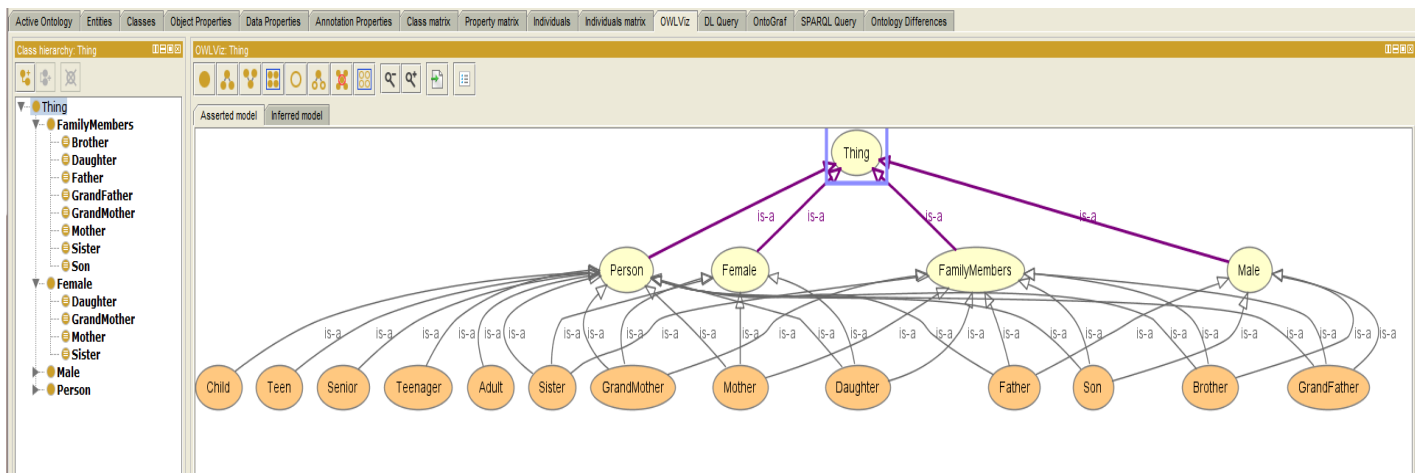
Classes Asserted:



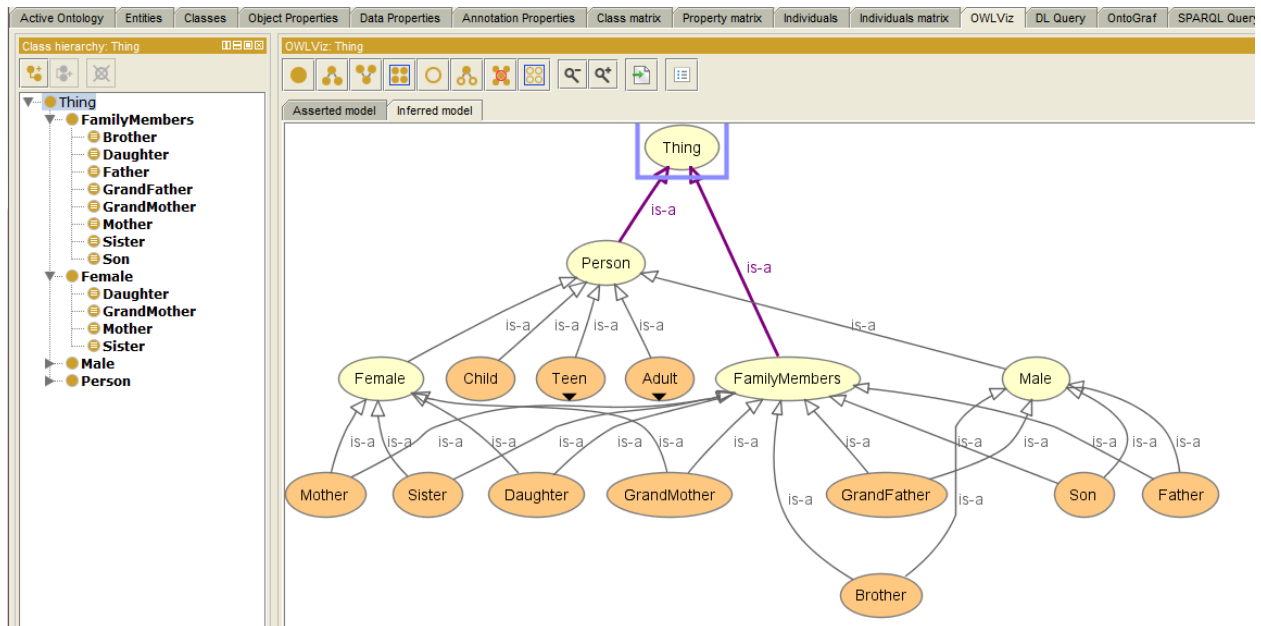
Inferred Class hierarchy:



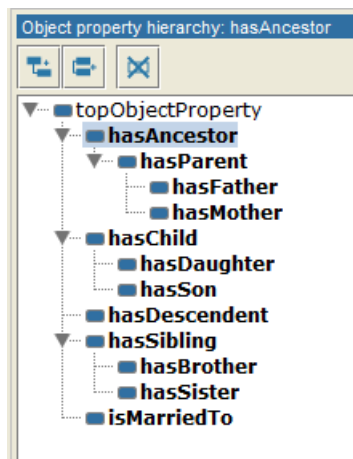
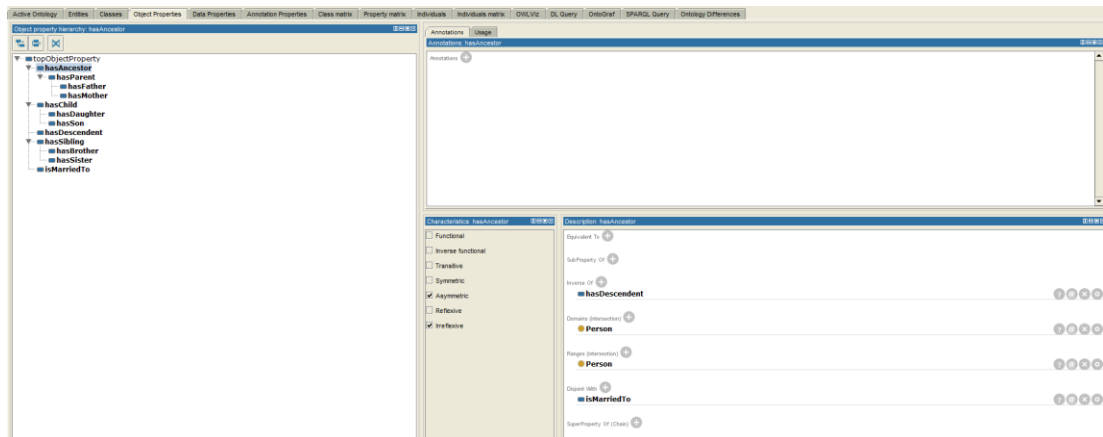
OWLviz Diagram for Asserted Model:



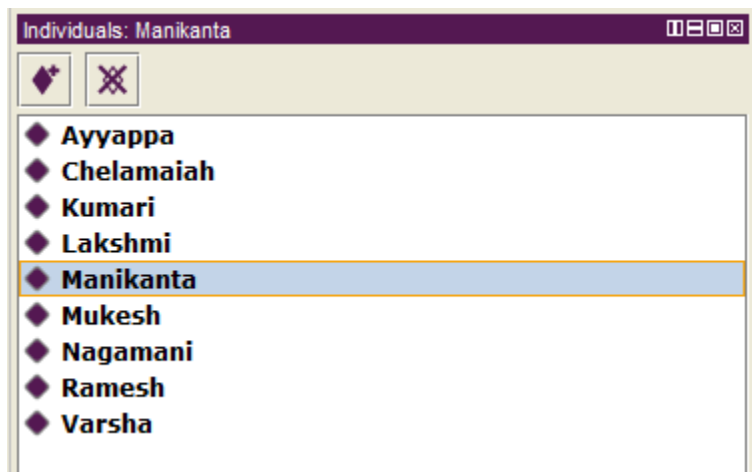
## OWLviz Diagram for Inferred Model:



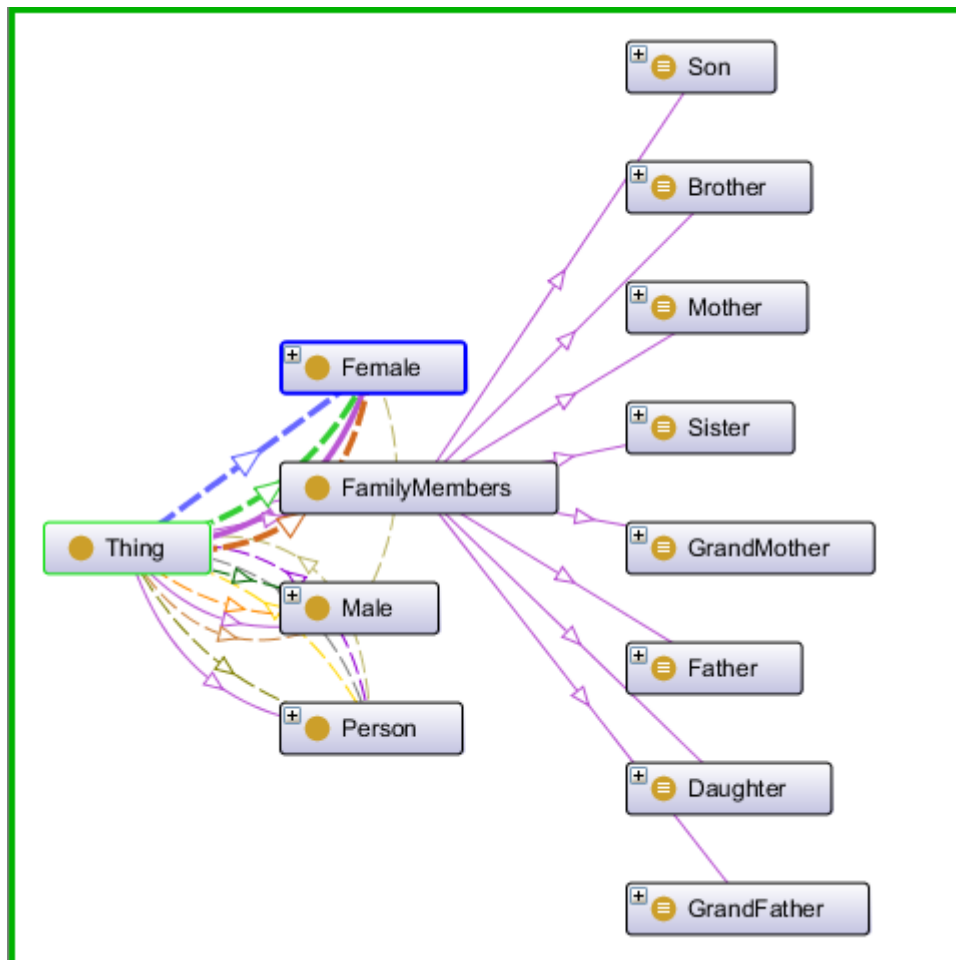
## Object Properties/ Relations:

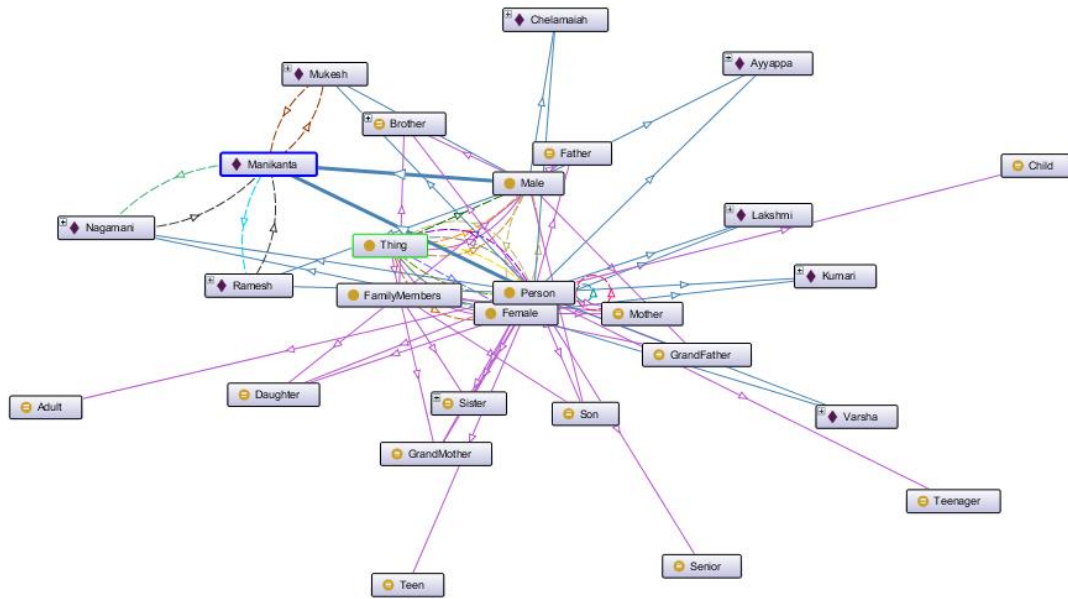


[illegible]

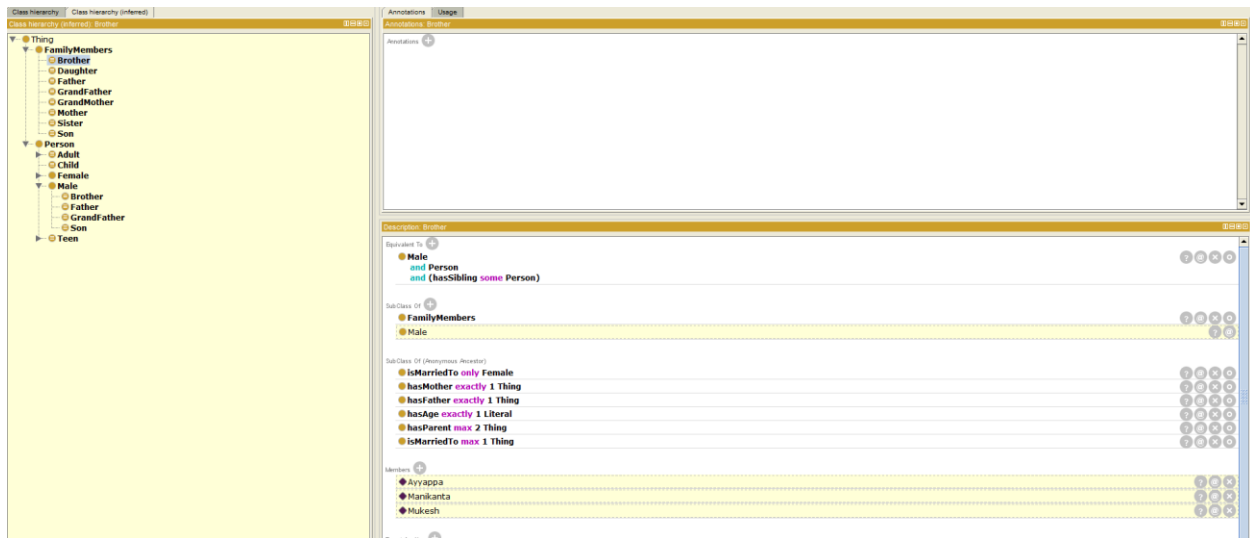


Ontology Graphs:





Observe the following diagram in which we can see that members being populated by reasoner:



GitHub Link for family ontology:

<https://github.com/manikantamaddula/KnowledgeBaseProject/tree/master/Source%20Code/Family%20Ontology>