Tools for Building Conceptual Models and Ontologies in FOL

Here are some popular tools that can be used to build conceptual models and ontologies in First-Order Logic (FOL):

1. Protégé:

- **Features:** A widely used ontology development environment that supports various ontology languages, including OWL (Web Ontology Language), which can be expressed in FOL.
- **Link:** https://protege.stanford.edu/

2. Neologism:

- **Features:** A tool specifically designed for ontology development, offering features like ontology visualization, editing, and reasoning. It can handle FOL-based ontologies.
- **Link:** https://github.com/Semantic-Society/Neologism

3. OntoFox:

- **Features:** A web-based ontology development environment that supports various ontology languages, including OWL, and provides features like ontology visualization and editing.
- **Link:** http://owl.cs.manchester.ac.uk/

4. OntoStudio:

- **Features:** A desktop-based ontology development environment that supports OWL and provides features like ontology visualization, editing, and reasoning.
- **Link:** http://owl.cs.manchester.ac.uk/

AS:IN ADDITION https://ontofox.hegroup.org/

5. SWI-Prolog:

- **Features:** A Prolog interpreter that can be used to develop and reason with FOL-based ontologies. It offers features like unification, resolution, and backtracking.
- **Link:** https://swish.swi-prolog.org/index.html

6. RDF4J:

- **Features:** A Java framework for working with RDF (Resource Description Framework) data, which can be used to represent ontologies in FOL. It offers

features like SPARQL query processing and ontology reasoning.
- **Link:** https://rdf4j.org/

7. Jena:

- **Features:** A Java API for working with RDF data, offering features like SPARQL query processing and ontology reasoning. It can be used to represent ontologies in FOL.
- **Link:** https://jena.apache.org/documentation/ontology/

Note: While these tools primarily focus on OWL, which is a subset of FOL, they can often be adapted to work with full FOL representations. It's essential to understand the specific capabilities and limitations of each tool when building complex FOL-based ontologies.

Would you like to explore any of these tools in more detail or discuss a specific use case?