



Overview

Implementation Details

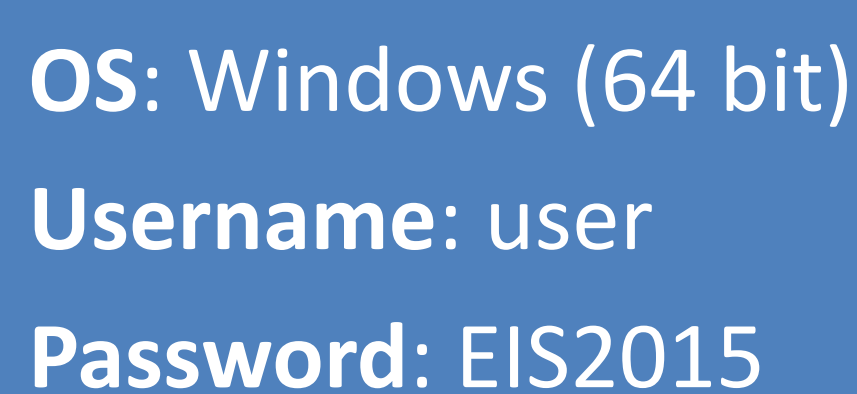
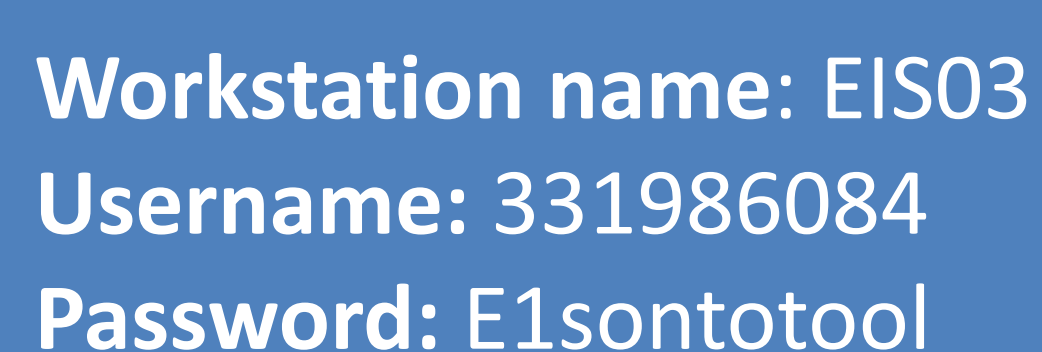
- **Express.js v4.13.3**
- **AngularJS v1.3.15**
- **Node.js v0.12.2** (release date May 2015).

- RDFSTORE
- VisJS
- OWL2VOWL

Future Work

- Enable editing of ontology(i.e adding and removing nodes).
- Improve partitioning by adding more algorithms.
- Generate OWL file from JSON file.
- Add database support (MongoDB).

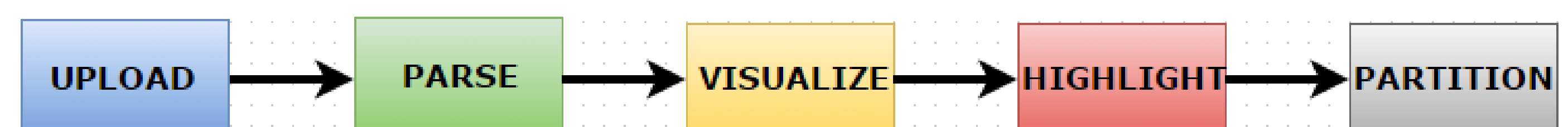
Virtual Machine and Remote Access



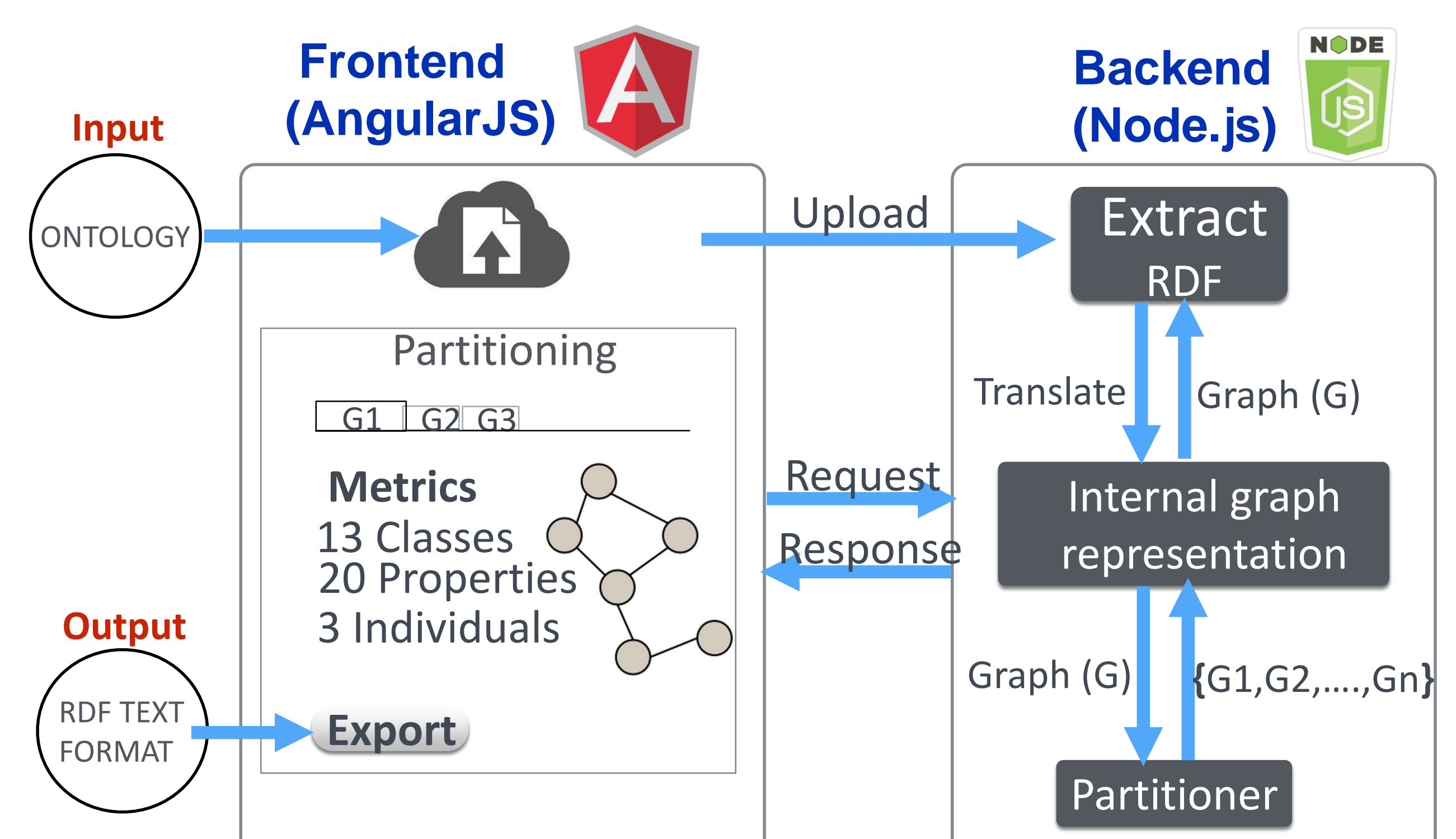
Source code and Documentation

<https://github.com/EIS-Bonn/MA-INF3232-Lab-SS2015.git>

Application Workflow



Architecture



Results

- Conversion of the ontology into RDF triples
- Visualization of triples as a directed graph
- Metrics that count specific elements of the graph
- Filtering & highlighting
- Random colors and shapes to highlight
- Partitioning
- Saving the result as a file

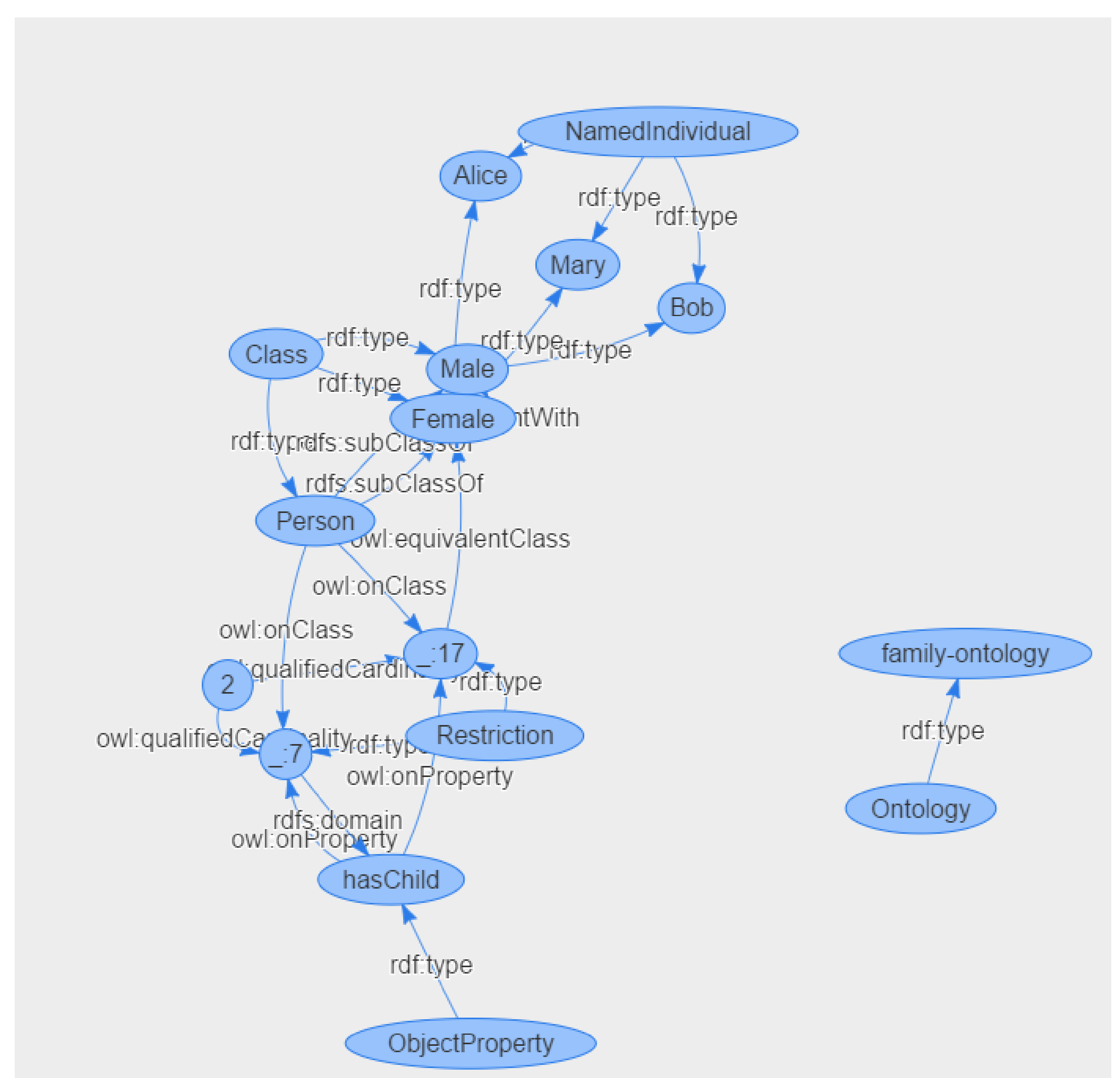


Image - Visualized Ontology