

Querying over multi-model data is a challenging task even for expert users, as they typically need to master a number of query languages and be aware of the logical representation of the data.

In this thesis, we propose a graphical query language over multi-model data and implement it in the form of a prototype application. The proposed query language primarily targets less experienced users, aiming at simple querying over data with only knowledge of its structure. The work includes an attached prototype that represents the data using a categorical representation strikingly similar to a graph. We take advantage of this similarity and therefore store the data in the Neo4j graph database. For proof of concept, we translate our proposed language into Cypher and transitively query over the multi-model data stored using the categorical representation in Neo4j.