Abstract

In this paper, a method for transforming a relational database to a graph database model is described. In this approach, the dependency graphs for the entities in the system are transformed into star graphs. This star graph model is transformed into a hyper graph model for the relational database, which, in turn, can be used to develop the domain relationship model that can be converted into a graph database model.

References

Designing Graph Database Models from Existing Relational Databases

- Mike Buerli, "The Current State of Graph Databases" Department of Computer Science, Cal Poly San Luis Obispo, mbeuerli@calpoly.edu, December 2012.
- Borislav Iordanov, HyperGraphDB: A generalized GraphDatabase; Kobrixsoftware, Inc. http://www.kob-rix.com, Lecture Notes in Computer Science: HyperGraphDB.

Index Terms

Computer Science  Databases

Keywords

Tuple Dependencies (TuD)  Domain Dependencies (DoD)