Abstract

The relationships among the classes play an important role for the selection of the object-oriented database. In this context, association rules show the relationship between the two classes. As the object-oriented design for the development of the software grows, the relationships among the classes also grow towards the complex software design but one can develop optimize object-oriented design through right association rules between classes. The present paper deals to design the right association rules for the object-oriented databases taken from the classes. A real case study of Electricity Bill Deposit System (EBDS) is considered in Indian scenario and Apriori algorithm is used for finding the use of frequent data sets through the right association rules. The association rules are designed through well-known Unified Modeling Language (UML). The present work is an implementation of Apriori algorithm towards the database of EBDS.

References

Implementation of Apriori Algorithm on Electricity Billing System

- Chai, S., "The Research of Improved Apriori Algorithm for Mining Association Rules", This Paper Published in Service Systems and Service Management International Conference, Page 1-4, June 2007.
- Umarani, V., "On developing an effectual progressive sampling based approach for association rule discovery", This Paper Published in Information Management and Engineering (ICIME), Page No 8-12, 2010.

Index Terms

Computer Science

Algorithms
Keywords
  UML  Apriori Algorithm  Lattice Structure  Association Rules  Data Item Sets.