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.

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Index Terms

Computer Science
Algorithms
Keywords

UML  Apriori Algorithm  Lattice Structure  Association Rules  Data Item Sets.