Abstract

When users work with usual software tools they have to change their many valued logical thinking (approximate reasoning) into the two-valued computer logic. Although the Structured Query Language (SQL) is a very powerful tool, it is unable to satisfy needs for data selection based on linguistic expressions and degrees of truth. In this paper, we are interested in flexible querying that is based on fuzzy set theory. Medina et al. have developed a server named fuzzy SQL, supporting flexible queries and based on a theoretic model called GEFRED. To model the flexible queries and the concept of fuzzy attributes, an extension of the SQL language named fuzzy SQL has been defined. The FRDB is supposed has already been defined by the user. In
this paper, we extend the work of Medina et al. to implement a new architecture of fuzzy DBMS based on the GEFRED model. This architecture is based on the concept of weak coupling with the DBMS SQL Server.

References

Index Terms

Computer Science  
Emerging Trends in Technology

Keywords

Fsql  Possibility Model  Gefred