Abstract

Database management systems (DBMS) have been widely used for storing and retrieving data. However, databases are often hard to use since their interface is quite rigid in cooperating with users. End user is required to issue SQL query to retrieve information from the database. Thus, a user cannot interact directly because of lack of knowledge about the SQL query form, thus is restricted to available application options. To provide the direct access of user on dataset, some unstructured query processor is required. The present work is an interface that will convert the unstructured text query to structured SQL query. It is an intelligent interface formation between the user and the dataset and defined in three main stages namely Descriptive Database Construction, Unstructured Query Filtration and Mapping Stage. The system provide the robustness in terms to handle the broader range of user queries and is be implemented in java environment on Enterprise Employee Database.

References

- Vesper Owei, "Natural Language Query Filtration in the Conceptual Query Language", 1997 IEEE.
- D. S. S. V. K. N. S. Alok Parlikar, "NQML: Natural Query Markup Language", NLP - KE '05, 0-7803-9361-9/05©2005 IEEE.
- Y. S. Hu Li, "A Word Net Based Natural Language Interface to Relational Database", in IEEE, Wuhan, China, 2010

Index Terms

Computer Science

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Keywords

Natural Language Interface to Database (NLIDB)  Keyword based Interface to Database (KBIDB)  Structured Query Language (SQL).