Abstract

The huge number of available documents on the Web makes finding of relevant ones a challenging task. In the current web, it is not possible to manage information resources manually and intelligently. And most of the users prefer more accurate information. Semantic retrieval becomes the emerging topic in information retrieval on the Semantic web. To overcome the limitation of current web, The Semantic web, metadata and ontology will play important roles for advanced information retrieval system. In this paper we provide a mechanism for semantic retrieval of books information in WWW. Firstly we build domain ontology of books, and then we present the semantic retrieval system of books information using SPARQL query language which retrieves the information according to the relation of "synonymy of", "kind of", "part of" between the books concepts.

References

- Weihua Li, "Intelligent Information Agent with Ontology on the Semantic Web", 0-7803-7268-9/01 2001 IEEE.
- SKC. http://www-db.stanford.edu/SKC/
- Protege: http://protege.stanford.edu/

Index Terms

Computer Science

Information Sciences

Keywords

Semantic retrieval books information semantic web information retrieval SPARQL semantic web