A Study of Knowledge Sharing Service Using Ontology and Technology-A Case of Music Recommendation System

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ABSTRACT

The music recommendation services, now looking for the users ’ favorite music information through the network in trend, through the music recommendation services, we can understand the music styles which have the singers or songs information. These kind of music recommendation services based on the user input search strings using the words than to recommend reaching the results. But such an approach has produced the results are not accurate; the user will be unable to get the results that they really want. This research is based on ontology and with the assisting of the interface agent, to the field of music knowledge, construct the music ontology through TOVE (Toronto Virtual Enterprise) ontology engineering method, analysis the field of music knowledge through TOVE ontology engineering method and define every classification of music knowledge, clear standardization, and define the relation between the classification and attribute, even set up inference rule on the other hand, using the inference engine to carry on the inference to the music ontology . In this research we build ontology in the music field, and construct the music knowledge recommendation system. Users can use the system interface for semantic search, find and retrieve the related information correlated with retrieval term, users filter the unnecessary music information to be more suitable, and reaching the service of sharing knowledge and knowledge reuse.

Keywords : ontology ; knowledge sharing ; music ; TOVE ; semantic

Table of Contents

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