

# A study of using semantic network and shopping agent for the disc's price appraisal and the shopping's shortest path

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## ABSTRACT

In this modern society, people can purchase what they want by internet. But the things are varied in the internet, the price will be different for the same product in different website. So, people who are careful calculation and strict budgeting may surf every website and find the most suitable and reasonable for themselves. But this is not efficient and people increase more time in surfing internet. Therefore, this research only offers users to find the price comments of records, and users can purchase the record after competing the price through this electric business website. It can reduce users' time in surfing the internet. In this study is based on ontology, it will present the popular types of records to show the way ontology. And TOVE ontology engineering approach through the establishment of record ontology, TOVE ontology engineering approach through the definition of modern music in every category, it can be clear standardized, and the definition of categories, the link is between property and inference rules. Through ontology semantic search conducted in the knowledge base of information than the right, price assessment of search services, coupled with shopping search path, allowing users more convenient to buy. In this study music as an example the establishment of ontology, produce a price assessment of the search system. By Protege ontology editor establish categories and attributes hidden between the association and the use interface. Users can search through the use of the system, in the knowledge database to find relevant information and make it more suitable for users of the results, and reached through this system of services and knowledge-sharing knowledge re-use.

Keywords : ontology ; TOVE ; semantic Web

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