ABSTRACT
As information becomes abundant and lacks of proper evaluation and management mechanism, the reuse of domain knowledge does not increase as we expected. With the development of software agents and ontology technology, users are able to obtain proper services and promote competitive advantages through the platform. The recommendation architecture of a recommender system based on knowledge ontology and intelligent agent contains user interface, database and core kernel modules. To enable agents to the process of developing a more flexible and complete, this study is used MASE regardless doing analysis, Design and Implementation. Content of the message service is planning to follow the use of OWL-S norms. The contributions of this paper are (1) apply ontology-based search mechanism: users can obtain services precisely at a lower cost; (2) using MASE methodology: the agent-based system can be implemented completely; (3) integration of several tools and standards: the system integrates and applies various tools and standards to implement this system. Finally, the system not only promotes the sharing of knowledge but also enforces the code reuse and reduces the cost of developing similar systems. As knowledge services will be more and more common in the future, this architecture that we propose has long vision and necessary to apply in the different domains.

Keywords : Knowledge ontology ; MASE ; Message service ; Recommendation system ; Intelligent agents


