Abstract

The paper describes the method of how to develop “Intelligent agents” for web searching and replacing the existing “User agents” with the “Intelligent agents”. This process is described by developing a website (viz. Music Library) which runs on an inferencing engine which suggests the users the kind of music they like based upon its reasoning. The database for such an engine
has been moved away from the traditional RDBMS format and more easy-to-use XML files have been used in place. These XML files are in fact RDF/XML files, which allow inferencing process to be achieved in a smooth fashion.

**Reference**

- http://www.w3.org/TR/rdf-primer
- Shelley Powers: Pratical RDF, O’Reilly,2003
- Michael Grobe : RDF, Jena, SparQL and the “Semantic Web”
- Jena and ARQ(a SPARQL implementation) are representative for various API’s for RDF processing.
- Gizem Olgo “Inference Engines-Semantic Web Cross Up Project”, July 2004
- http://jena.sourceforge.net/inference/

**Index Terms**

Computer Science    Information Retrieval

**Key words**

Intelligent agents    Inferencing    RDF/XML format