Abstract

Wikipedia is a famous application web and one of the biggest application web in the world. Wikipedia will help people to get a lot of information which can be updated and edited with collective intelligence. It can also serve as an idela semantic web data resource with high quality and have a well structuring data. However, to build up and maintenance Wikipedia grower to become more bigger online encyclopedic knowledge base still only have small resource people to maintainance well. Many users may still feel difficult for writing some high quality articles in Wikipedia. In this final assignment,writers will use RDF graph Matching to make Wikipedia authoring become more easier for user. It will be accomplished by the solutions to facilitating semantic reuse and help the user with a Link Suggestion module that it can suggests and auto-completes internal links between Wikipedia articles, and a Category Suggestion module that will help user to get the suggestion for place the articles in the correct categories. The experimental results show the improvements over existing solutions to link and Category Suggestion tasks.Link Suggestion and category suggestion module with RDF graph Matching show that it will help user in wikipedia authoring and it also help the current Wikipedia to make it even better Semantic web data source.

Keywords : Wikipedia, articles, RDF, property,graph matching, link, category, suggestion