Abstract

Ontology-based Conversational Recommender System (CRS) works by conducting conversations between the system and the user based on static knowledge. But rapid technological developments result in obsolete product data, so that it is no longer relevant to existing developments. Therefore this paper will discuss information extraction techniques that can update product information to maintain the relevance of data along with the development of high technology. The input is in the form of a website link from the dataset to be extracted automatically to produce new product data. The final result of this study is data with the OWL format that has been updated and can be accessed using the program protégé. In this study, OWL data that has 98% similarity to OWL data are generated manually through the Protégé program.

Keywords: conversational recommender system (CRS), website links, OWL, protégé