

Abstract

Semantic Web is increasingly being used for supporting the communication with other websites with semantic meaning described. However, the system analyst should consider other functionality on the website such as navigation. One method of designing semantic web application that also focuses in designing navigation, namely the Semantic Hypermedia Design Method (SHDM).

E-commerce applications requiring good navigation so that users can make purchases and provide benefits for the owner. On the other hand, if the application of e-commerce has semantic meaning and can be connected with other websites that will give an advantage for every stakeholder. Therefore, we built a test by implementing SHDM to build e-commerce website.

Implementation done using HyperDE, which is a purpose built environment to implement SHDM. Testing method to test the quality of navigation is the Mean Opinion Score, that judge subjectively. Meanwhile, to test the semantics of a website, we do queries to RDF data. The results of the testing, navigation of the website is quite good while the semantics of the website is also generated well.

Keywords: shdm, hyperde, semantic web, ecommerce