Abstract

The e-Learning community is aiming at having much more effective services than what is currently provided by any of the available computer aided tutoring, or learning management systems. The semantic web technology has the potentiality to be applied in different areas. E-Learning is one of the domains which may benefit from this new web technology. In this paper we design Semantic Web technology for realizing sophisticated learning scenarios. First we will see the potential uses of Semantic Web technology in e-Learning, overview of layers of the Semantic Web architecture and Metadata in e-Learning. We will see the advantages of using ontology to describe the learning materials. Also, a conceptual architecture of Semantic e-Learning portal is presented along with some related work.

References


Index Terms

Computer Science  Information Sciences

Keywords

E-learning  Semantic Web  Semantic Services For E-learning  Ontology  Metadata