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Abstract
The e-learning has been undoubtedly the hottest issue in the discipline of computer science. A valid learning content management system can provide learners to make an efficient learning. However, the content management plays an important role in learning content management system. Thus, a content management system based on ontology and TW LOM, CMSOS is proposed in this thesis, consisting of searching module, domain ontology module, metadata editor module and knowledge repository. The features of CMSOS are: the contents of learning materials are stored in the format of SCORM and thus could be shared and reused; the contents of learning materials are classified by a domain ontology; an metadata editor is provided for teachers to make their teaching materials to be the format of TW LOM; a searching function is provided to achieve the efficient searching for learners. We hope the CMSOS could really promote the learning efficiency for learners
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