ARCADE ASSESSMENTS FRAMEWORK

Milen Petrov, Boyan Bontchev, Adelina Aleksieva
Dep. of Information Technologies,
Faculty of Mathematics and Informatics,
5 J. Bauchier Blvd., 1164 Sofia, Bulgaria
{milenp, bbontchev, adelina}@fmi.uni-sofia.bg

ABSTRACT

The boom in development of learning management tools in recent years stimulates creation of relevant standards, while acceptance of such standards helps system interoperability worldwide. The paper aims in presenting an assessment framework based on the recent IMS standards and built into ARCADE - Architecture for Reusable Courseware Authoring and DElivery. The information model of the assessment tool has been designed with a view to efficient test authoring, management and evaluation of student performance. Its system architecture described here follows principles for strong separation of test's content from the management and evaluation structures making possible an easy and effective preparation, management and customization of tests. The assessment system has been applied successfully into the university teaching process proving its essential benefits as an excellent tool for test control and automatic evaluation.

KEYWORDS

E-Learning, Computerized testing, Assessment, IMS QTI.