Assessing Students’ Performance in Distance Education Courses

Larissa Vladinova, Milen Petrov, Trayan Iliev

Abstract: ARCADE is a project aimed to develop an integrated software platform for authoring and delivery of Internet-based distance courses covering the university needs. Unified Modeling Language (UML) and Unified Software Development Process were applied as a basis for the project development. The Assessments and Assignments package provides computer supported instructional feedback (tests, projects, essays, problems). The IMS Question and Test Interoperability specification (QTI) defines the basic structures (Assessment, Section, Item – ASI) for the Assessments module development. This module includes three main subsystems – ASI Structures Management, Tests Management, and Test Performance.

Keywords: E-Learning, Computerized testing, Learning Content Management Systems, Object-oriented analysis and design, UML, IMS QTI Specification

ABOUT THE AUTHORS
Larissa Vladinova, Milen Petrov, Trayan Iliev
Department of Information Technologies, Faculty of Mathematics and Informatics, Sofia University, 5 James Bourchier Str., 1164 Sofia, Bulgaria,
Tel. / fax: +3592 656 157, E-mails: {lary, milenp, t_iliev}@fmi.uni-sofia.bg

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