

LearnITy™ Assessor

The LearnITy Assessor is standard compliant Online Assessment system supporting different requirements of online testing and certification.

Features

- ❖ **Platform independence** – Developed using Java and hence works on all platforms (Windows, Linux, Solaris, etc.)
- ❖ **Standard compliant** – The application is compliant with IMS Question Test Interoperability (QTI) assessment and Content Packaging international standard version 2.
- ❖ **Exhaustive Question Type Support** – The application supports a wide variety of question types including Multiple Choice (Single and Multiple Response), Fill in the blanks, Essay, Hotspot, Sliders, Drag, etc.
- ❖ **Purely web-based** – The engine is built from scratch to be purely web-based and generates pure HTML 4 plus JavaScript. No special plug-ins are required for using the engine itself (note that course contents may require special plug-ins)
- ❖ **Highly Scalable and Fault Tolerant** – The application is developed using Java Servlets and its architecture is based on the J2EE standard. As a result of these development and deployment choices, LearnITy is well equipped to address issues of scalability and availability. Clustering techniques may be employed for supporting load balancing, multilayer switches, and SANs.
- ❖ **SCORM Interoperable** - The application has been designed to communicate with a Learner Management System (LMS) that supports SCORM APIs and Data Model. This provides facility for student tracking and score reporting as well as allowing the Assessor to retrieve a students status and progress in subsequent sessions. If no LMS is present then the Assessor may be run as an independent application.
- ❖ **Advance Response Processing** – Advanced response processing can be employed to determine the appropriate

feedback and scoring for all kinds of learner interactions.

- ❖ **Rich Feedback and Remediation** – Provides feedback to a learner based on their responses. Feedback can be given for responses to individual questions or items, as well as summative feedback for whole or partial assessment.
- ❖ **Context Sensitive Hints** – Assessor supports providing context sensitive hints to the learners while they are taking the assessments.
- ❖ **Detailed control over Selection and Ordering** – ‘Selection & Ordering’ defines the order in which various questions are presented to the learner. The selection and ordering process is a two-stage operation in which the questions are selected according to some defined criteria e.g. meta-data content, etc. and the order of their presentation is then determined.
- ❖ **Question banks** – Assessor empowers educational administrators and institutions in creating and managing large question banks containing various types of assessment items as well as detailed meta-data describing the items.
- ❖ **Randomised Testing** – Various types of randomised testing are supported including meta-data based parameterised selection.



- ❖ **Results Processing** – The application records every minute detail of the results of the assessment taken and makes it available in the form of XML records. These records may be stored by a LMS for further

processing or the built-in reports of Assessor may be used.

- ❖ **Timed Testing** – Assessor supports testing under strict timer controls. Timing may be applied at various levels: entire examination, sections within an examination, or even individual questions within a section.
- ❖ **Drag and Drop Assessment Authoring** – Assessor comes with an extensible, cross platform development environment, enabling users to quickly create QTI compliant assessments and question banks.
- ❖ **Internationalisation support** – The tool provides adequate support for international users through the facilities of Java language as well as the CSS generation mentioned above.

System Requirements

- ❖ Any Operating System with support for JDK 1.5 (Any flavour of Windows, Linux, Solaris, etc.)
- ❖ Any Servlet API 2.3 compliant servlet engine.
- ❖ Any SQL compliant RDBMS with JDBC 1.4.0 support
- ❖ Any XML:DB compliant native XML database
- ❖ 512 MB of RAM (based on number of concurrent users additional memory may be required)
- ❖ 50 MB Hard Disk for the Assessor itself; additional disk space requirement will depend on the amount of courseware to be managed

Licensing

The LearnITy™ Assessor is sold as a component of the LearnITy suite that comes in various packages (Workgroup, Enterprise, etc.)

Other Products in the LearnITy™ Suite

- ❖ LearnITy™ LMS
- ❖ LearnITy™ Virtual Classroom
- ❖ LearnITy™ Course Management System
- ❖ LearnITy™ Digital Knowledge Library
- ❖ LearnITy™ Training Management System



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