EvaExam - Assessment Automation Suite
Be it paper or online – always the right solution for learning target assessment

EvaExam
Assessment Automation Suite

EvaExam is an independent, web-based server application that allows you to easily create and manage workplace independent learning target assessments. The integrated and web based test editor allows you to create individual test and exam papers at any time in any browser.

EvaExam is based on the tried and tested recognition engine VividForms for paper based and online learning assessment, as used in EvaSys. The content of the exams conducted are fully automated, captured with the system and evaluated.

In EvaExam three user types are differentiated for the various functions within an organization:

1. EvaExam Administrator
2. EvaExam Examiner
3. EvaExam Verifier

The log-in screen of EvaExam

The log-in as an administrator offers the following functions:

- Central overview of all ongoing and completed examinations and tests (from V5.1)
- Create and manage all users (examiners, verifiers)
- Create secondary administrators
- Insight and administration of the general system settings
- Administration of the central question library
- Supply of online exam templates
- Central exam verification

The examiners account represents a so-called user account which offers you the following functions:

- Create the exam structure (exam/themes folder)
- Preparation of exam papers with the integrated Web Editor
- Management of existing exam papers
- Use and editing of the question library
- Definition of grade keys
- Generate and conduct paper and online exams
- Creation of anonymous or personalized PSWD cards for online surveys
- De-central verification
- Access to the sample solutions
- Access to original scans with capturing results
- Scoring for open questions
- Retrieval of automated PDF result reports
- Export the results as a CSV file

Verification as a situation-driven visual inspection of the results is always then necessary when results conflict with pre-defined plausibility rules. A typical scenario is the reading of more than one tick or cross within a single choice question.

A typical exam cycle with EvaExam is divided into the following four chronological phases:

1. Creating and Storing an Exam

As an examiner, you create the exam sheet for the required learning assessment with all question texts and answer options in a web based editor. Define single choice, multiple choice as well as open questions and at the same time store the respective scores for each answer option. The completed exam sheet is now available to you as a PDF file and is assigned to the exam sheets of an examiner.

2. Conducting the Exam and Capturing the Results

To conduct the exam, simply print the exam sheets in the required amount and distribute them.
The capturing of the results takes place automatically, except with open questions, whereby before capturing these via a document scanner, you must evaluate the content and note the points attained with a cross on the sheet. The completed sheets are then automatically read in with the scanstation, the results then being available to you in EvaExam.

3. Verification

In the next step you can you can display all ambiguous and unreadable markings with the web-based correction module (Verifier) and, where necessary, correct them. This correction work can be carried out with either an EvaExam verifier account, de-central with an examiner account or centrally through the administration account.

4. Output of Results

Once you have finished the visual control, the results of the exam evaluation are available to you in the form of a PDF report. This consists of the following components:

- Evaluation of individual questions
- Departmental report
- General report and item analysis
- Grade distribution and pass rate
- A posting for the students

With the output of the results you can visualize and present the results of your exams and derive further action from this. Your data is displayed in histograms and tables as well as in selectivity and degree-of-difficulty calculations. These are available as a CSV file for further processing in MS Excel.

The Benefits of EvaExam for You:

1. Web server based independent solution
2. Web based editor to design exam and test sheet layouts
3. Insertion of single and multiple choice questions, open questions, images, separation lines etc. onto the exam sheet
4. Central Data Storage
5. Paper and Online exams
6. Automated capturing and evaluation of paper based exams
7. Ability to map central or de-central usage as well as mixed forms
8. Situation driven visual inspection
9. Immediate reports with item analysis, point distribution and posting
10. Individual scalability of the system through variable user and volume contingents
11. Integration into your Learning Management System (LMS) is possible