



Additional reading: Online Assessment Systems

Module 03: Technological Infrastructure

Learning unit 03: Online Assessment Systems (OAS)

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In the course of SLCM, we are pretty much at the end of the process of a study or a study section when it comes to the topic of OAS in the area of exams.

There are many names for such systems that enable electronic exams. The technical unique selling point (USP) of such electronic examination systems is that they can:

- digitally enable the creation and delivery,
- evaluation,
- and analysis and documentation of an examination process.



Here again the main components and the definition on a view:

An electronic examination system comprises the examination phases preparation, execution, correction and usually also the presentation of the digital examination in



common software systems. Such e-examination software usually offers several task formats. The spectrum ranges from single-choice to multiple-choice and open-ended tasks, so that the spectrum of an analog exam can be reproduced entirely in a digital variant.

Based on an example you can see here that the software is divided into 2 areas: Once the view for the examiners and once the view for the students.



The examiners have the possibility to create and provide their exam on the one interface of the software and finally also to evaluate it. The students, on the other hand, have the possibility to write and hand in the exam on the other user interface.

With the help of electronic examination systems, there is a possibility to use many different question forms and formats. Some of these question formats are electronic and can be scored automatically, while others are not or can only be partially scored automatically.

Below are some examples of multiply choice (MC) questions or free text tasks:



Multiply choice with right or false answer possibilities:

Mock Exam for Tutorial

test7849320

Frage: 11 von 14 | Aufgabentyp: Kprim/K' (Wählen Sie Richtig oder Falsch.)

Fragentext
This is an example of a grouping question of type Karim. This well-researched question type typically consists of four statements that must be assigned to two containers. It can be marked automatically.

In a classic democracy, what are the typical tasks of Parliament?

Antworttext	Richtig	Falsch
The enforcement of laws	<input type="radio"/>	<input checked="" type="radio"/>
The approval of budgets	<input checked="" type="radio"/>	<input type="radio"/>
The control of the government	<input checked="" type="radio"/>	<input type="radio"/>
The passing of laws	<input checked="" type="radio"/>	<input type="radio"/>

Vorherige Frage Übersicht Frage als unsicher markieren Nächste Frage

MC question type with only one correct answer:

Mock Exam - All Question Types

test67896

Frage: 10 von 12 | Aufgabentyp: MCQ Typ A: Einfachauswahl (nur eine Antwort ist richtig! Es gibt 4 Antwortoptionen.)

Fragentext
This is an example of a multiple choice - type A (one correct answer) question. Select the correct answer by clicking anywhere in the desired row. The green fields on the right are exclusion fields and serve the candidate for his/her own overview. Entries made there are not be submitted as exam entries. MCQs can be marked automatically.

Who was **not** one of the founder members of the successful band "The Beatles" from the 1960s?

Ausschluss	Antworttext	Auswahl
<input type="checkbox"/>	Paul McCartney	<input type="radio"/>
<input type="checkbox"/>	George Harrison	<input checked="" type="radio"/>
<input type="checkbox"/>	John Lennon	<input type="radio"/>
<input type="checkbox"/>	Ringo Starr	<input type="radio"/>

Vorherige Frage Übersicht Frage als unsicher markiert Nächste Frage



Cloze question with free task: users have to fill in the right answers:

Mock Exam - All Question Types

Frage: 3 von 12 | Aufgabentyp: Lückentext: Freitext


Fragentext

This is an example of a cloze question with free text answers. This question type has to be marked manually. For the marking process, the marking person sees (for each question) the answers of all candidates in a list. Pre-defined keywords are automatically highlighted in the candidates' answers. The marking tool features double correction (four-eyes principle).

Please name 3 planets from the inner or outer solar system:

Venus

Mars



Vorherige Frage Übersicht Frage als unsicher markieren Nächste Frage

Picture mapping question: users have to assign the right answers to the corresponding pictures.

Mock Exam - All Question Types

Frage: 6 von 12 | Aufgabentyp: Bildzuordnung (Ordnen Sie Begriffe per Drag-and-Drop verschiedenen Bildpunkten zu. Bildpunkt verdeckt: Ziehen Sie zugeordnete Begriffe zur Seite.)

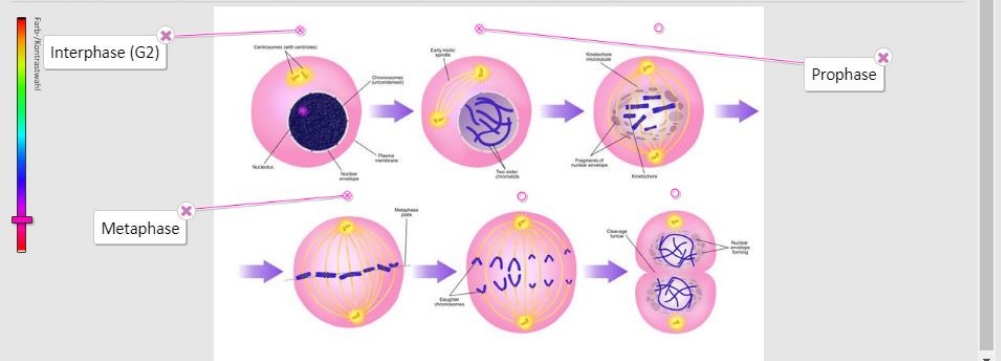
Fragentext

This is an example of a picture mapping question. This question type can be marked automatically.

Please assign the individual stations of mitosis to the steps on the graph.

Antworten

Anaphase Prometaphase Telophase und Cytokinesis



Vorherige Frage Übersicht Frage als unsicher markieren Nächste Frage



In many cases, electronic exam systems are used to write an exam at a campus (on provided computers). The goal here is to move from a paper-based exam to an electronic exam. If one now intends to take such an exam from home on one's own end devices, then, in addition to an e-exam system, a monitoring system must be integrated into the technical infrastructure.



How such technical infrastructures can function together by means of interfaces? We will certainly discuss this in our synchronous session.