

# Quiz Comparison

## Moodle Quiz Module – Articulate Quizmaker

### Introduction

In an article published on Edutopia, renowned authentic assessment expert, Grant Wiggins, states, "...testing is a small part of assessment. It needs to be part of the picture. Many people who are anti-testing end up sounding anti-evaluation and anti-measurement. A good test has a role to play."

The objective of this comparison of two popular quiz-writing programs is to give the reader unbiased information on what to expect from each package, along with an idea of the types of features one could expect from this type of learning tool, in general.

Most on-line quiz-writing software offers a distinct advantage over paper and pencil quizzes in that it can provide feedback on answers, and/or questions, either during or after the quiz process. For this reason, it can be used as a formative assessment activity. They may also generate a quiz of questions randomly selected from a pool of pertinent questions, making it more difficult for students to "share" their answers.

Both of these tools are designed to create graded quizzes. The quiz module in Moodle is dependent on the Moodle Course Management System (CMS), i.e. the quizzes have to be taken from within Moodle. The Articulate Quizmaker package creates quizzes that can stand alone, or can be used with any CMS or Learning Management System (LMS) that accepts Sharable Content Object Reference Model (SCORM) 1.2 or 2004 objects.

As you will find in the following comparison, these packages are very similar in their offerings. Both are very intuitive with respect to learning how to use them. The user should be up and running in a very short time period. Each package has a few advantages not offered by the other. However, by and large, these advantages are not earth shattering, and would likely not be the primary reason for choosing one over the other.

Articulate Quizmaker offers a slightly more aesthetically pleasing appearance. It offers a hot-spot question format that gives the quiz writer the ability to use questions that require a point and click answer. For example, with an image of the human heart on the screen, the student could be asked to click on the aorta. Quizmaker also gives the teacher the ability to make students commit to every answer before moving to the next question. This is a nice feature if some questions might provide the answer for another question.

The Moodle quiz is better for formative quizzes. Partial credit can be given for questions when the student is given multiple opportunities to answer the same

question in one sitting. In fact, it is possible to give the student feedback on an answer and then generate another related question for the student to answer.

Both packages offer the ability to place images on every question. Articulate Quizmaker sizes all images to one size, but allows zooming. The Moodle package allows various sizes of images, but the images must be sized before they are uploaded because they appear on-screen in their original format and size.

**Here is a table comparing the two packages:**

<b>Quiz Characteristics</b>	<b>Moodle Quiz</b>	<b>Articulate Quizmaker</b>
Standalone	No – Requires Moodle	Yes
SCORM Compliant	No	Yes 1.2 and 2004
Price	Free	\$399
<b>Things that can be specified</b>		
Start and close dates	Yes	No
time limits	Yes	Yes
time delays between first and second and even subsequent attempts	Yes	No
the number of questions per page	Yes	Yes
whether or not you want questions shuffled	Yes	Yes
whether or not answers will be shuffled within questions	Yes	Yes
single or multiple attempts	Yes, from 1 to 6 times, + unlimited	Yes, 1 to 10 times, + unlimited
whether or not you want students to know what answer they selected the last time(s) they took the quiz	Yes	No
whether you want to use adaptive mode; this allows a student to answer immediately after answering a question incorrectly; they may get fewer points for a subsequent answer or new questions may be presented in a different format, based on the students incorrect answer	Yes	No
the grading method, which may be highest of attempts, average of attempts, first response or last response	Yes	No

<b>Things that can be specified (continued)</b>	<b>Moodle Quiz</b>	<b>Articulate Quizmaker</b>
whether or not to apply penalties for subsequent attempts; the amount of the penalty will be prescribed for individual questions	Yes	No
number of decimals in grades, up to three	Yes	No
review answers after completion	Yes	Yes
Grade boundaries, e.g., percentages, and what feedback each boundary will elicit	Yes	No
<b>Types of questions</b>	<b>Moodle Quiz</b>	<b>Articulate Quizmaker</b>
All types of questions can include images	Yes	Yes
Multiple choice - single answer, each answer can provide feedback	Yes - Yes	Yes - Yes
Multiple response – more than one answer, each answer can provide feedback	Yes - Yes	Yes - No
True/False questions	Yes	Yes
Matching questions -	Yes – with pull-down matches	Yes – with pull-down matches or drag and drop
Short Answer questions – fill-in-the-blank with a word or short phrase.	Yes wildcard used to match any series of characters.	Yes multiple spellings, no wildcards
Sequence	No	Yes
Hot-point – create hot spots on screen to identify position on an item or location on a map, etc.	No	Yes
Numerical questions - like short-answer; numerical answers are allowed to have an accepted error.	Yes	No
Essay questions -	Yes - teacher can add comments and grade	Yes – no comments or grading

Other Features	Moodle Quiz	Articulate Quizmaker
Surveys	Separate Module	Yes - includes Likert Scale, Pick One, Pick Many, Which Word, Short Answer, Essay, Ranking, How Many, Explanation

## Learning Objective

Trainees will be able to identify the features and benefits associated with the products appearing on a quiz of each product category with an accuracy rate of at least 80 percent.

## Authentic Application

In our environment (corporate training department - retail operation) quizzes serve as a first step in authentic assessment, testing a sales person's knowledge of features and benefits of products. The assessment of this knowledge is taken a step further when we determine the sales person's ability to incorporate this knowledge into a role-play, or contrived sales situation.

At the end of the report are some screen dumps that compare the appearance of the same question in both packages.

## In Summary

All things considered, the packages are very similar. One big difference is that the Moodle Quiz module requires the use of Moodle, and Moodle has to be located on or hosted on a server. Articulate Quizmaker gives you the ability to create stand alone quizzes that could be installed on a hard drive and accessed through a hyper-link. It also includes a survey creating capability.

The biggest difference between the two is that Moodle is free and Articulate sells for \$399. However, if you buy the entire Articulate Studio (\$999) or Articulate Studio Pro (\$1398) you save about 25% over buying all of the Articulate software packages separately. Studio and Studio Pro are very useful in the creation of Rapid E-Learning, i.e., web-based, narrated PowerPoints converted into flash for effective and efficient broadcast over the internet. However... that's a topic for another day. Loren Rochester

# Multiple Choice Question

Moodle Quiz Module

Digital Photography You are logged in as John Doe (Logout)

Training > Photography > Quizzes > Digital Camera Line-up Quiz > Attempt 1

### Digital Camera Line-up Quiz

Page: (Previous) 1 2 3 4 5 6 7 (Next)

**4** What kind of camera is this?  
Marks: 1



Choose one answer.

- a. Basic
- b. SLR
- c. Thin and Stylish
- d. Super Zoom


Articulate Quizmaker


### Digital Camera Lineup

Question 5 of 7: Point Value: 13

What kind of camera is this?

- Thin and Stylish
- Basic
- Super Zoom
- SLR



Zoom 

Score so far: 61 points out of 61 (100%)

# True-False Question

Moodle Quiz Module

Digital Photography You are logged in as John Doe (Logout)

[Training](#) > [Photography](#) > [Quizzes](#) > [Digital Camera Line-up Quiz](#) > [Attempt 1](#)

### Digital Camera Line-up Quiz

Page: [\(Previous\)](#) [1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#)

**7** Smaller LCD screens are usually one of the prices you pay for getting a thin and stylish camera.  
Marks: 1

Answer:  True  False

Page: [\(Previous\)](#) [1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#)

You are logged in as John Doe (Logout)

Articulate Quizmaker

### Digital Camera Lineup

Question 2 of 7: Point Value: 15

Smaller LCD screens are usually one of the prices you pay for getting a thin and stylish camera.

True  False

Score so far: 20 points out of 20 (100%)

# Matching Question

Moodle Quiz Module

Digital Photography You are logged in as John Doe (Logout)

Training > Photography > Quizzes > Digital Camera Line-up Quiz > Attempt 1

### Digital Camera Line-up Quiz

Page: 1 2 3 4 5 6 7 (Next)

**1** Match the camera category with the defining feature(s).  
Marks: 1

super zoom digital cameras	Choose...
single lens reflex digital cameras	Choose...
basic digital cameras	available in multiple colors
thin and stylish digital cameras	interchangeable lens system
	AA batteries
	8X to 18X optical zoom and 2X to 6X digital zoom
	Choose...

Save without submitting Submit all and finish

Page: 1 2 3 4 5 6 7 (Next)

You are logged in as John Doe (Logout)

Photography

Articulate Quizmaker

### Digital Camera Lineup

Question 1 of 7: Point Value: 20

Drag the feature on the right to the category on the left where it is more likely to be found.

Basic	8X to 18X optical zoom and 2X to 6X digital zooms
Thin and Stylish	interchangeable lens system
Super Zoom	AA batteries
Single Lens Reflex	available in multiple colors

Submit

Score so far: 0 points out of 0