

Recent developments in the quiz and question bank

Tim Hunt – the Open University

... and sharing the work of a lot of people from different organisations

Question bank collaboration

Question bank collaboration

- Crowd-funded – thanks to all the contributors
- Steered by Antonia Bonaccorso, Luca Bösch, Tim Hunt & Thomas Korner
- Delivering enhancements/chaos to your questions banks since Moodle 4.0

Moodle 4.0, 4.1 & 4.2 highlights

- Question versioning
- Question bank build from plugins – new qbank_ plugin type
- Lots of new plugins in core (show usage, statistics, custom fields, ...)
- ... and the plugins DB

Question bank plugins

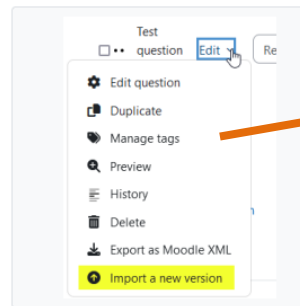
Import question as new version

qbank_importasversion

This plugin allows you to import a question from a Moodle XML file as a new version of an existing question.

📅 Latest release: 4 months 📍 66 sites 📄 59 downloads ❤️ 7

Supports Moodle 4.0 | 4.1 | 4.2 | 4.3



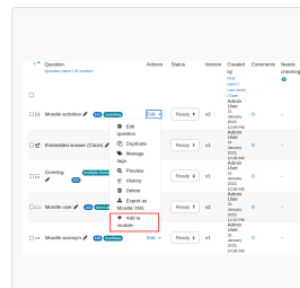
Question to activity

qbank_qtoactivity

Question to activity (qtoactivity) is a plugin for the Moodle LMS that extends the functionality of the question bank question management page. This plugin adds the option for users to select individual or multiple questions and add them right to an activity of their choice, without having to access that individual activities management page.

📅 Latest release: 12 months 📍 40 sites 📄 15 downloads ❤️ 6

Supports Moodle 4.0 | 4.1



Created at
MoodleMoot DACH
DevJam

Would recommend 😊

Moodle 4.3 – last October – [MDL-76204](#)

- New filtering UI in the question bank – and quiz random questions
- Users can customise their view of the question bank
- Question statistics finally usable (thanks UCL & OU – also in stables)
- Usability improvements around versioning (still more to do)
- API for question bank actions improved










Moodle 4.4 – coming in April – [MDL-77627](#)

- Improve UI for managing categories in the question bank

Edit categories?

[+ Add category](#) Show descriptions
































Question categories for 'Course: Activity examples'

 Default for New Features (7)	Edit ▾
 Teacher X (0) →	Edit ▾
 Default for Questions (8) →	Edit ▾
 pre-written examples (4) ←	Edit ▾
 Default for HMQ (0) ← →	Edit ▾
 3.0 New question types x < 1 && 2 > x (5) →	Edit ▾
 Default for P&C Council (10) →	Edit ▾
 example 22 with a long category name with some spècial cäräctör! (0) →	Edit ▾
 Default for QE (10) →	Edit ▾

Used to look like:

Question categories?

Question categories for 'Course: Activity examples'

- [3.0 New question types \(5\)](#)   
- [Default for HMQ \(0\)](#)     
 - [pre-written examples \(4\)](#)   
- [Default for New Features \(5\)](#)
The default category for questions shared in context 'New Features'.
    
- [Default for P&C Council \(10\)](#)
The default category for questions shared in context 'P&C Council'.
    
- [Default for QE \(10\)](#)
The default category for questions shared in context 'QE'.
    
- [Default for Questions \(8\)](#)
The default category for questions shared in context 'Questions'.
    

Moodle 4.5 – [MDL-77627](#)

- Major change to how shared question banks work
- See the [Quiz forum thread](#)
- More filtering options in the question bank?

University College London

Quiz scalability improvements – [MDL-68806](#)

Currently

- Attempts created synchronously when student clicks ‘Start attempt’
- Attempts graded synchronously when the student Submits
- Problem for advanced question types like [STACK](#), [CodeRunner](#), ...
- Option for it to be asynchronous – initially aimed at admins
- [Quiz forum thread](#)



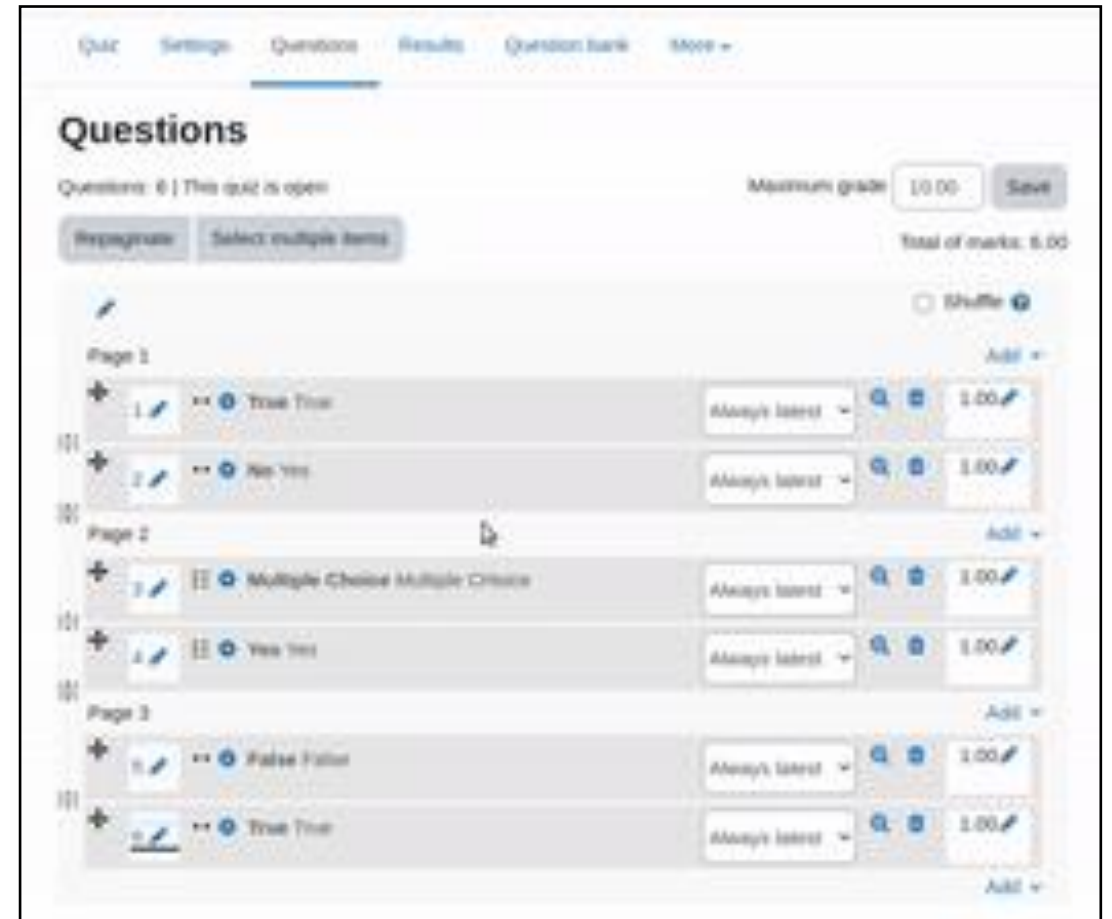
**The Open
University**

Quiz 4.2 & 4.3 – [MDL-74607](#)

- Customise quiz question numbers



- Lots of code clean-up
 - moving classes to auto-loaded location
 - moving some library functions into classes







Quiz multiple totals – [MDL-74610](#)

Multiple grade setup ▾

- Previously, each quiz gave a single grade
- New option, to have more than one
 - Initially, only in the quiz, not the gradebook
- [Quiz forum thread](#)




Quiz grading setup (advanced view)

Grade items

Grade item	Actions
Intuition 	
Intelligence 	
Moodle development 	

Add grade item

Mark scheme

No.	Question	Grade item
Colours		
1	• •  Question A This is question 01	Intuition ▾
2	• •  Question B This is question 02	Intelligence ▾
Shapes		
3	• •  Question C This is question 03	Intuition ▾

Quiz UX – MDL-80880

- [Quiz forum thread](#)

Used to look like:

[Re-attempt quiz](#)

Grading method: Highest grade

Summary of your previous attempts

Attempt	State	Marks / 1.00	Grade / 10.00	Review
1	Finished Submitted Tuesday, 9 October 2018, 11:03 PM	1.00	10.00	Review
2	Finished Submitted Monday, 11 December 2023, 8:54 PM	0.00	0.00	Review
3	Finished Submitted Monday, 11 December 2023, 8:54 PM	1.00	10.00	Review

Highest grade: 10.00 / 10.00.

[Continue your attempt](#)

Grading method: Highest grade

Highest grade: 100.00 / 100.00.

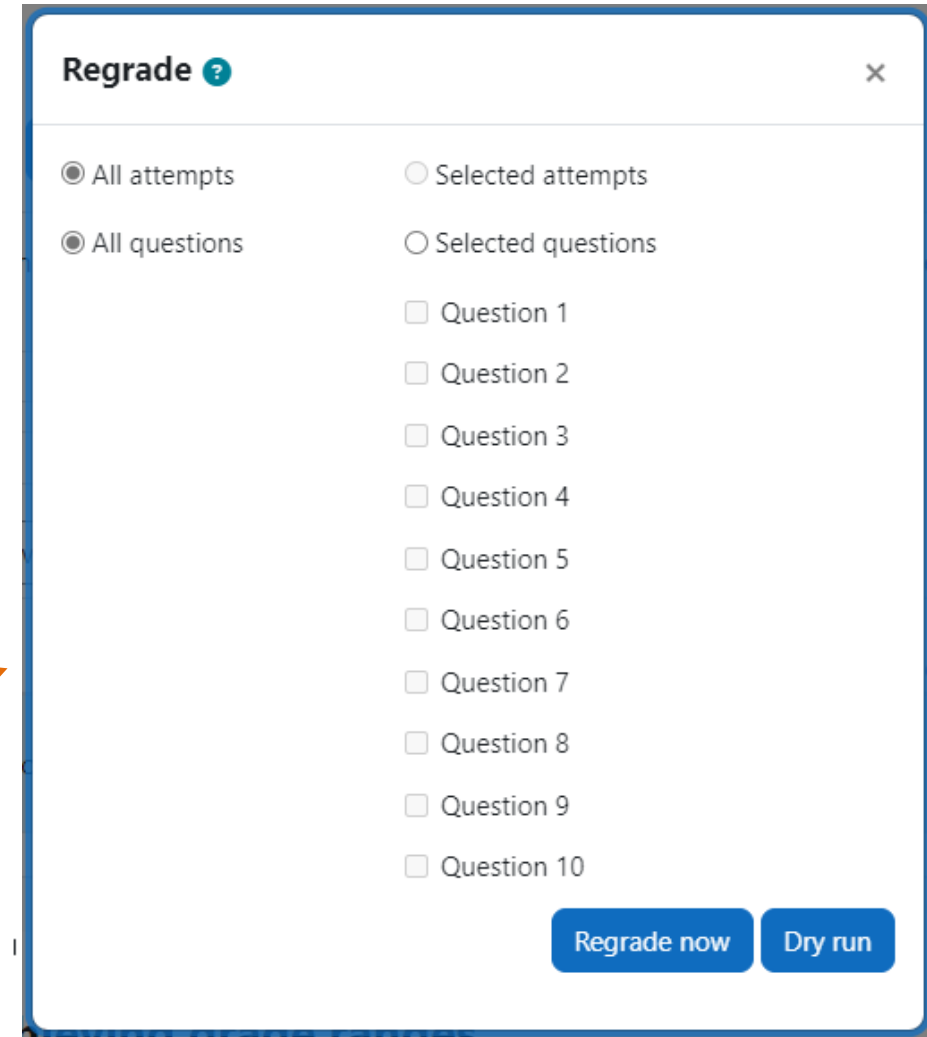
Your attempts

Attempt 3		Attempt 2	
Started on	Monday, 12 February 2024, 9:37 PM	Started on	Saturday, 10 February 2024, 3:53 AM
State	In progress	State	Finished
Completed on		Completed on	Saturday, 10 February 2024, 3:53 AM
Time taken		Time taken	12 secs
Marks		Marks	2.00/2.00
Grade		Grade	100.00 out of 100.00
Review		Review	

Attempt 1	
Started on	Saturday, 10 February 2024, 1:24 AM
State	Finished
Completed on	Saturday, 10 February 2024, 1:24 AM
Time taken	27 secs
Marks	2.00/2.00
Grade	100.00 out of 100.00
Review	

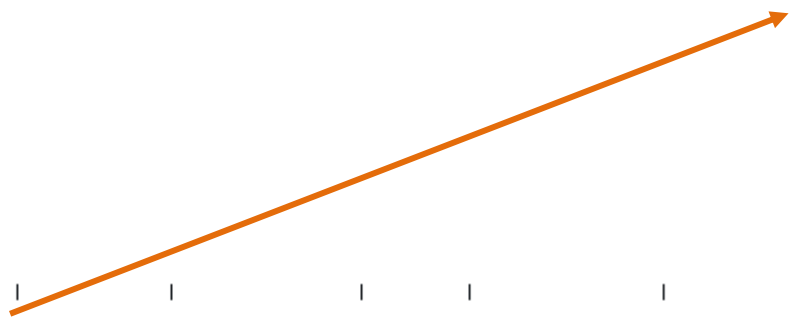
Regrade selected questions – [MDL-79546](#)

- [Quiz forum thread](#)
- Good for advanced question types like [STACK](#), [CodeRunner](#), ...



Delete selected attempts

Regrade attempts ...



The last dry-run of a regrade found that the a re-grade would change the marks for 2 questions in 2 attempts. [Commit regrade](#)

Versioning UX

- More logical delete one/all versions of a question [MDL-76757](#) 4.3
 - Auto-update questions when edited from a Quiz preview [MDL-78547](#)
 - Clearer display at the top of the edit question form [MDL-80682](#)
-
- Also, miscellaneous question type improvements



Ordering question type -> core – [MDL-79863](#)

- [Moodle Users Association](#) project for Moodle 4.4
- Work being by the 'Alpha' team at Moodle HQ
- Add the popular [Ordering question type](#) to core
- Plugin created and maintained for many years by [Gordon Bateson](#)

I must apologise, when preparing and giving this talk, I forgot about this awesome work. I added this slide later to set the record straight. Sorry – Tim

Question 1

Not yet answered

Marked out of 1.00

Put the following events into the order that they happened.

The kids saw a man with a wristwatch climb out of a grave.

The kids made a fire.

The kids went hiking.

The kids found footprints.

Byron gave Ruth Rose

Lucy took the kids to the hotel.

Jack's wife called him.

Myrna gave Josh a whistle.