

Tim Hunt













Activity examples

Dashboard / My courses / Activity examples

General

Welcome to the Activity examples course!

Note: This is NOT how you should lay out a real course; we are organising by activity type here just to help you find examples of different features.



Assignments

Assignments enable teachers to grade and give comments on uploaded files and assignments created on and off line.

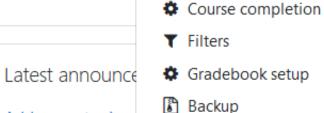


Online text assignment



Assignment with file submissions





Add a new topic...
(No announcement

♪ Restore

Edit settings

♪ Import

← Reset

More...

Upcoming even

n Recycle bin

Argh!

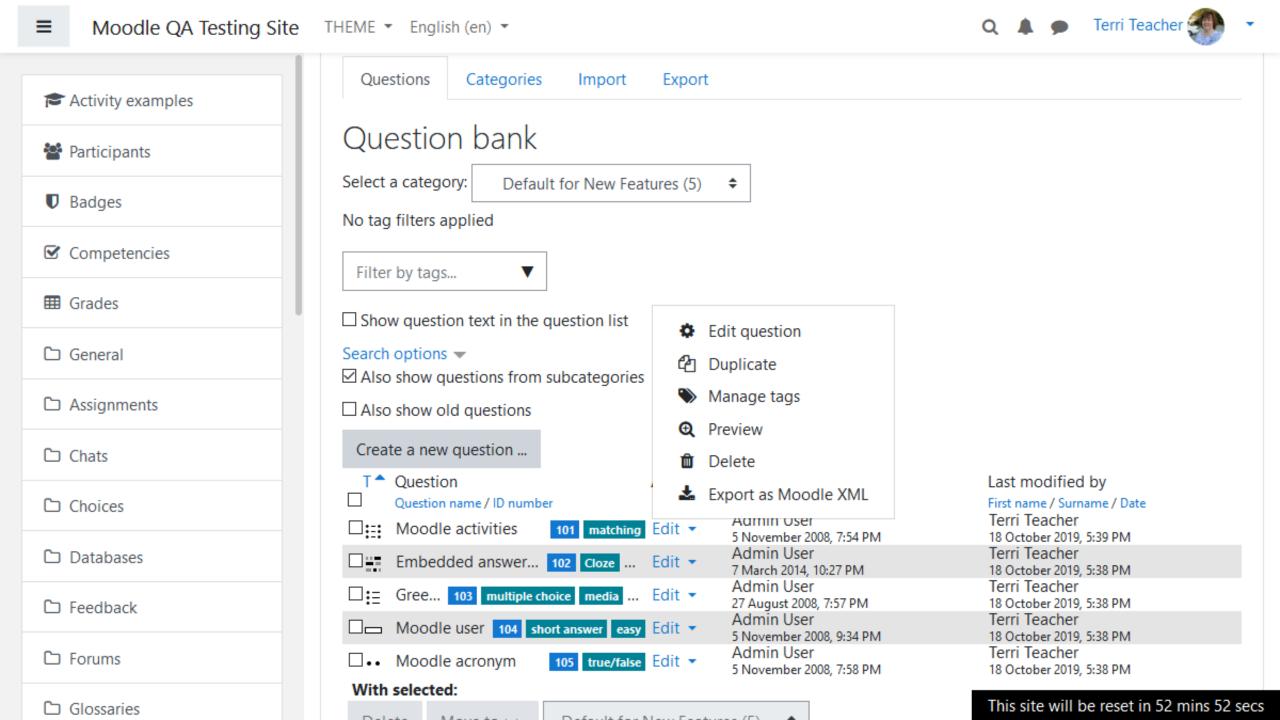
A repeating chat Monday, 19 October, 1:00 PM

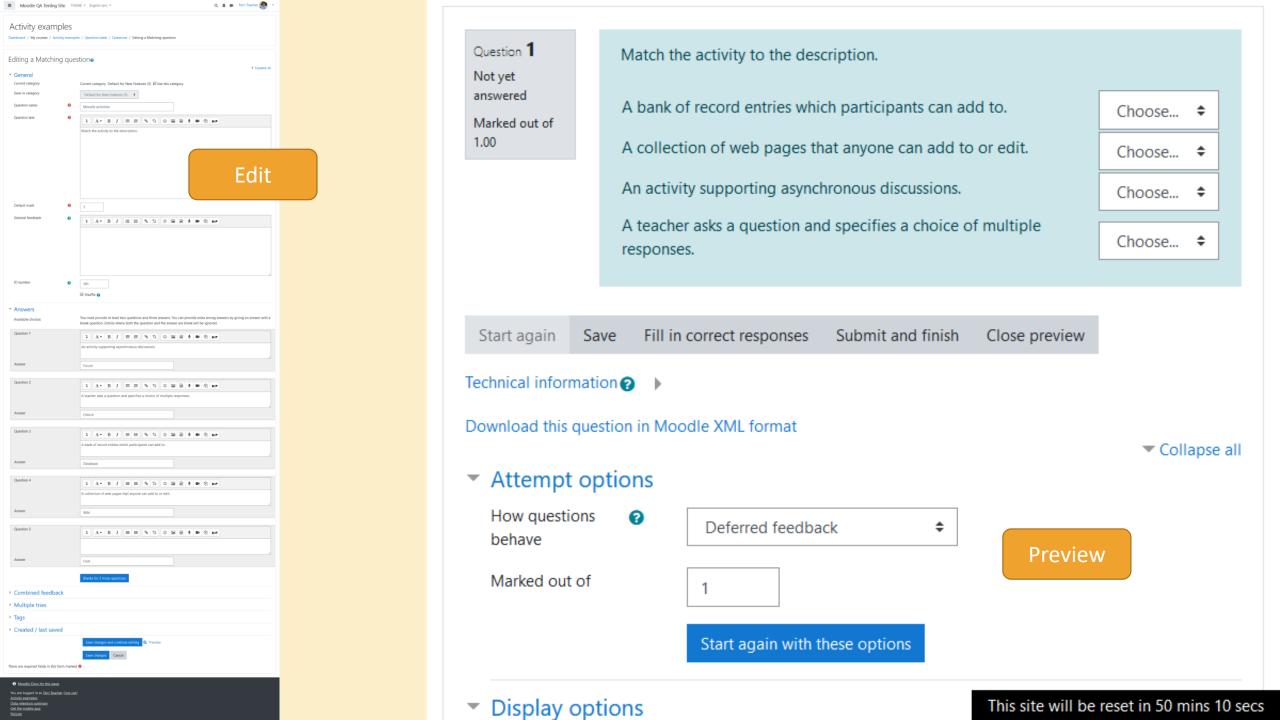
Offline assignment is due Thursday, 22 October, 2:00 PM



Lessor

This site will be reset in 44 mins 38 secs







Questions

Categories

Import

Export

Edit categories

Question categories for 'Course: Activity examples'

- 3.0 New question types (5) 🛍 🌣 🔻
- 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'.



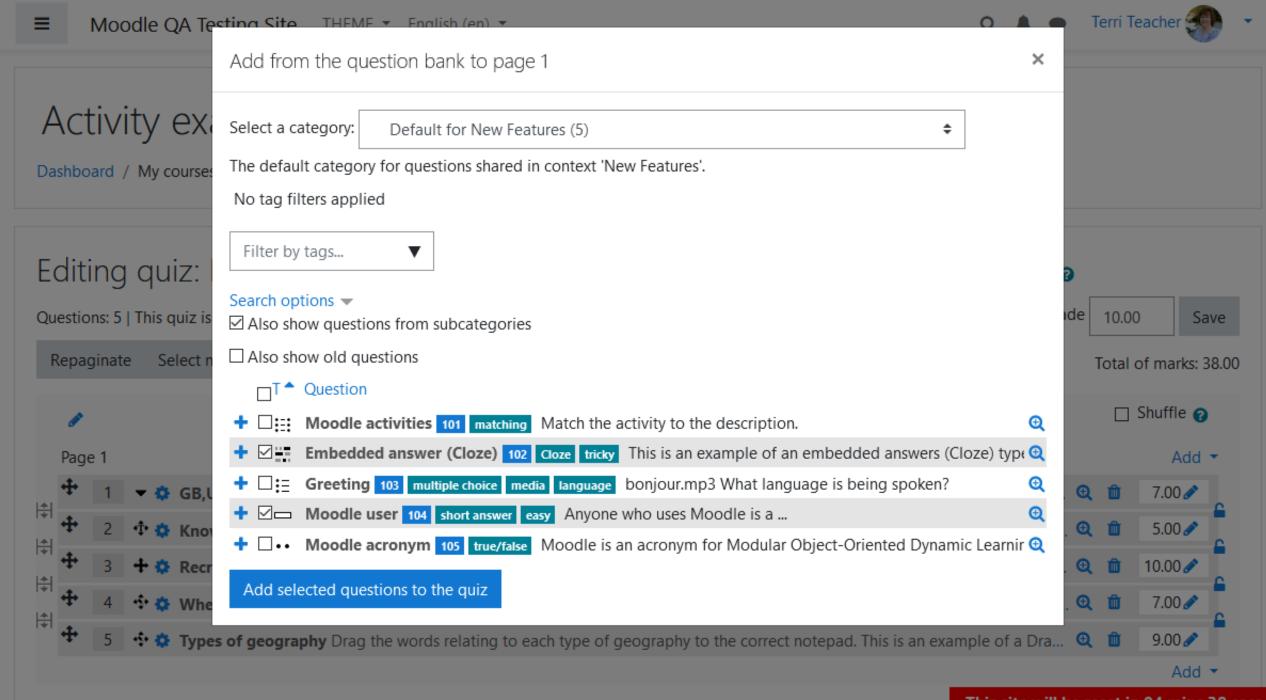
Default for Questions (8)

The default category for questions shared in context 'Questions'.



Add category

There are required fields in this form marked **()** .





Timeline - 2020

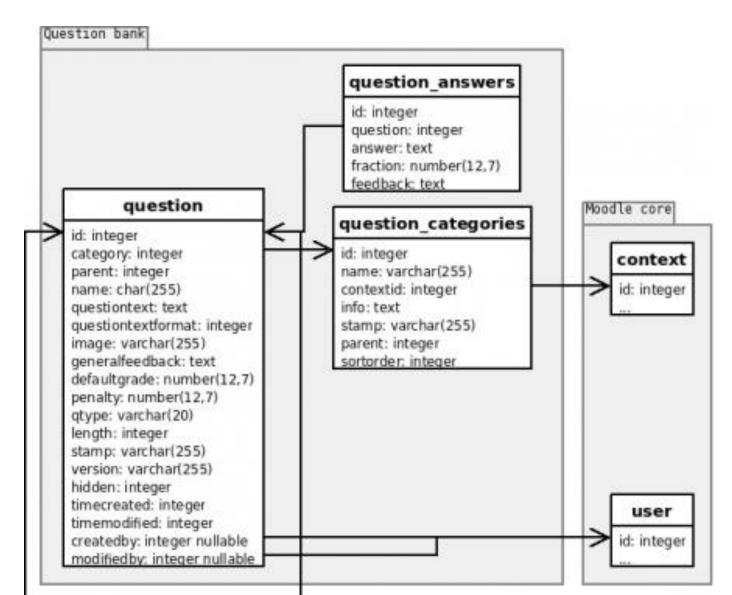
Quiz added to Moodle 1.1. First paid-for feature. Question types become a plugin type (within quiz) Adaptive behaviour added (v1.5) Question bank & types moved out of quiz (sort-of) Tim Hunt takes over as maintainer

Timeline - 2021

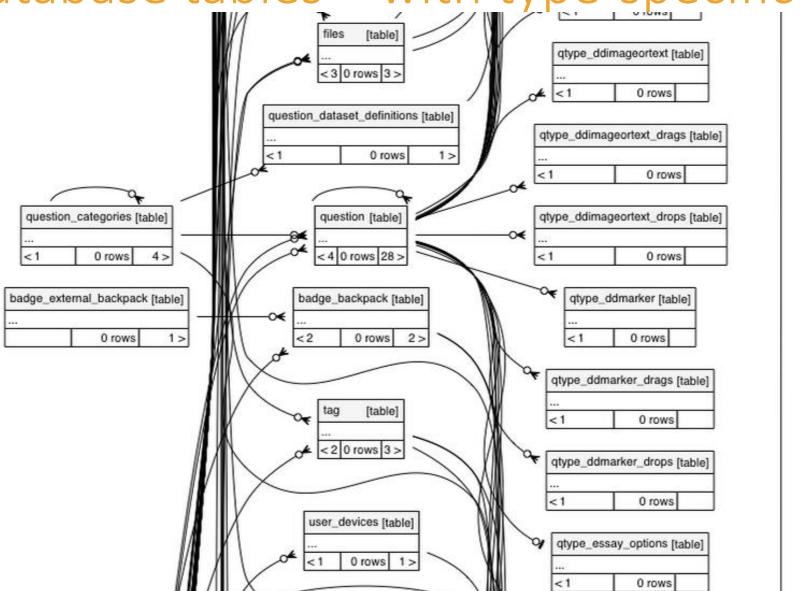
Jamie Pratt re-implements question bank (v1.9) Updates to handle new files, nav & backup in 2.0 New question engine. Behaviours. (v2.1) Drag-drop types added to core We really must fix the Question bank!



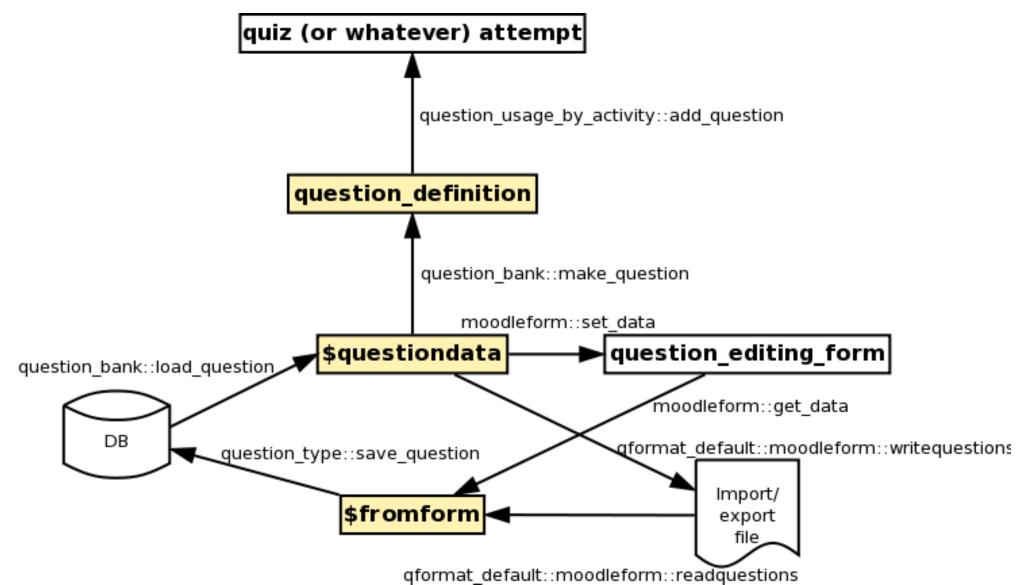
Database tables – core



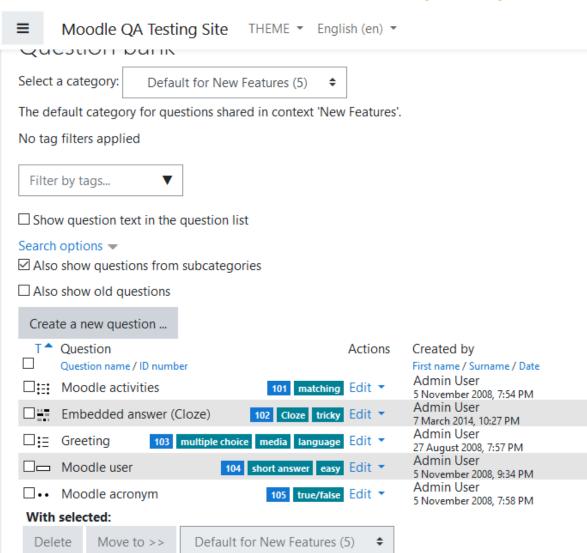
Database tables – with type-specific (part)

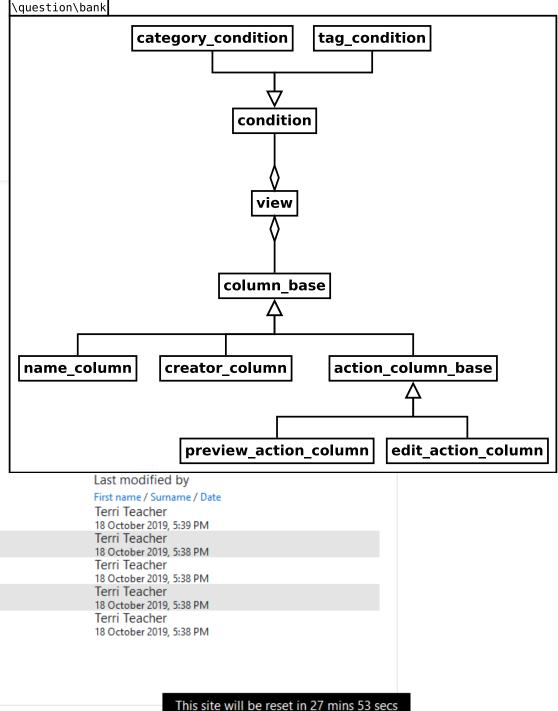


In memory representations



Question bank display



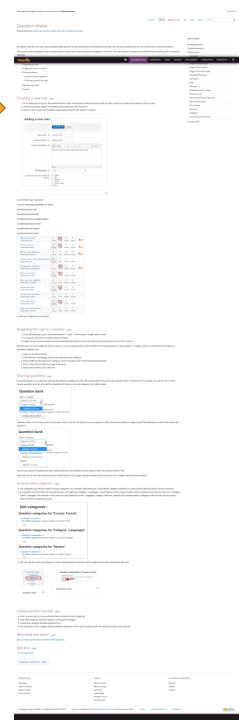




Problems

Moodle docs: Question sharer (3)

- 1. MDL-41924 backing up a quiz that uses any questions from a shared back includes the whole of that bank.
- 2. MDL-69306 Duplicated quiz uses the same questions from the question bank → dataloss.
- 3. Sharing questions between courses not actually usable.
- 4. Even if you do understand site-wide roles well enough to use it, there is only one 'space' to use for sharing.
- 5. Student attempts quiz. Teacher edits question. Pain!
- 6. Moodle 3.9 adds a 'Content bank'. Does it make sense if that is separate from the question bank?





Scenario 1 – basic quiz use

- 1. Antonia is teaching French and wants to give her students practice.
- 2. She creates a new quiz Week 1 and adds some questions.
- 3. Her students learn. ← This bit works fine already

But!

- 4. Antonia duplicates the quiz in Week 2 of the course.
- 5. She edits the questions in that quiz to test the Week 2 learning.
- 6. She and her students are surprised to find that the week 1 quiz is now broken. 😊

Scenario 2 – shared question bank

- 1. The maths faculty teach their own students and also scientists
- 2. They want a shared question bank of questions to use everywhere

↑ This works now, sort of

But!

- 3. The language faculty hear about this and want the same.
- 4. But maths teachers don't want to see the language questions,
- 5. and language teachers don't want to see the maths questions.

Scenario 2 – shared question bank (continued)

Also

- 6. To help collaboration, staff want to have comments on questions
- 7. They want the system to keep all versions of each question so changes can be undone.
- 8. To help manage the shared bank, they want to easily see where each question is used.

Scenario 3 – creating exam questions

- 1. Tim is using Moodle for his end-of-year exams.
- 2. University policy requires that the question are in a separate bank
 - So they cannot accidentally be added to a practice quiz.
- 3. Policy also requires Luca to reviews and approve each question before it can be added to the quiz.



Note!

• Currently (October 2020) this is a proposal that is still being worked on

- Initially please give feedback via
 - Email (<u>T.J.Hunt@open.ac.uk</u>)
 - Telegram chat
- After feedback from key stakeholders, I am likely to post this in the quiz forum for wider discussion



A) Question bank should be an activity

- At the moment, we can have bits of question bank at Activity, Course,
 Course category and System level
 - Unnecessarily complicated
 - There is only one system context, so can only be one shared question bank
- If a question bank is an activity, we can still have one for the course
- Want a shared question bank for a particular group of teachers?
 - Make a course for them and add one or more question banks there
 - This is probably easier for people to understand than **Question sharer role**
- This type of activity will only be visible to teacher (by default)

B) Question bank should be built from plugins

- We are half-way there. Each question bank column is a PHP class
 - But, they are not proper plugins yet, and they should be
 - Also, search conditions, actions, and pages like previewing a question
- This helps us solve many desired requirements:
 - Show in the question bank where a question is used
 - Make the statistics from quiz attempts at that question available in the question bank
 - Store the state of a question in the workflow

C) We need different types of question bank

- Sometimes we just want a basic question bank like now
- At other times we want a complex question bank, with an approval workflow where questions must be approved before they are used

 If Question banks are a type of activity, we can have different ones for different uses

- Is StudentQuiz already an example of this?
 - A question bank with collaboration features



D) Admins able to configure the Q bank

- Similar to how the admin can configure the Atto toolbar
 - But, perhaps with better UI!
 - Perhaps the same better UI can be used for Atto config too?
- Separate config for each type of Q bank

- Or, perhaps let each teacher customise their view of the question bank
 - Within limits?



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Changes in table above are saved automatically.

Toolbar config

Unordered list

```
collapse = collapse
style1 = title, bold, italic
list = unorderedlist, orderedlist
links = link
files = image, media, recordrtc, managefiles, h5p
style2 = underline, strike, subscript, superscript
align = align
indent = indent
insert = equation. charmap. table. embedguestion. clear
```

unorderedlist

Uninstall



E) Bank should keep every version of every Q

- Makes shared question banks much safer
- Deals, once and for all, with issues like
 - MDL-66095 Errors (including breaking quiz cron) if drag-drop onto image questions edited after being attempted
 - And many similar issues for other question types

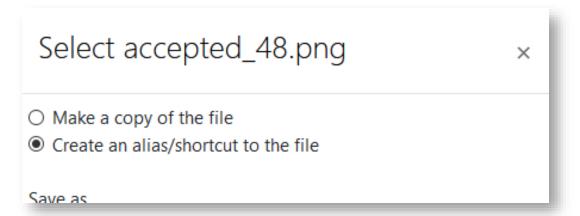
- UI to access this will add complexity
 - This needs to be minimised
- Must do this with minimum pain for question type developers



F) Need a clear relationship quiz <-> q bank

- To deal with issues like
 - MDL-69306 Duplicated quiz uses the same questions from the question bank: can confuse teachers if they expect questions were copied too

Probably do it like files →



- Must ensure this sorts out the backup problem
 - MDL-41924 Minimise questions included with quiz backups (or duplication)

G) Can pick questions from any bank

 When building a quiz, you can select questions from any question bank you have access to

- Except: restrictions can be imposed
 - "Quiz 'Final exam' can only use question from 'Final exam questions' managed question bank"



We need answers to these questions

- Should the question bank merge with the new content bank?
 - Deeply, all the way down
 - or should we just put it in a similar place in the user-interface?
- How does question versioning work (DB structure and user-interface)?

What do all the other bits of user interface look like?

- How exactly does the link between quiz (and other activities) and question bank work?
 - And how does that solve the backup issues?



We can't do everything at once

- There are lots of other things that people want
 - Almost all sensible requests
- The focus now must be on big changes that can only go into 4.0
 - The proposed changes give more power to plugins
 - Making it easier to meet particular requirements in future
- Many of the other things people want are unrelated to these changes
 - So then can be worked on in parallel (by other people. We are busy!)