

# Moodle Quiz

An Ongoing Example of Successful  
Open-source Development



# Agenda

- The Quiz 4 project TK 3m
- Creating a community driven project TK 3m
- What's coming in 4.1 TH 4m
- New Moodle Quiz/questions demo SS 10m
- The future LB 3m
- Q&A

# Quiz 4 Project - from the initiators...



Luca Bösch,  
Bern University of Applied  
Science



Tim Hunt,  
Open University UK



Thomas Korner,  
ETH Zürich



Marco Lehre,  
ETH Zürich



# ... to a community project



- **ETH Zürich, Switzerland**
- **Bern University of Applied Sciences, Switzerland**
- **Open University of UK, UK**

contributors 4.1 (some 4.0 as well)

- **University of Applied Sciences and Arts Hannover, Germany**
- **University of Applied Sciences and Arts Northwestern Switzerland, Switzerland**
- **University of Applied Sciences and Arts Western Switzerland, Switzerland**
- **University College London, United Kingdom**
- **Moodle an Hochschulen e.V.**
- **RWTH Aachen University, Germany**
- **SWITCH eduhub Community, Switzerland**
- **Catalyst Australia (Development)**

contributors 4.0

- **Berlin Institute of Technology, Germany**
- **Canton of Zurich Office for Middle and vocational schools, Switzerland**
- **Dublin City University, Ireland**
- **Johannes Kepler University Linz, Austria**
- **Zurich University of Applied Sciences, Switzerland**
- **Berlin School of Economics and Law, Germany**
- **Neubrandenburg University of Applied Sciences, Germany**
- **Ruhr-University Bochum, Germany**
- **University of Applied Sciences Upper Austria, Austria**



# Who can contribute what?

- Ask for skills (development, UX, project management)
- Community projects are a great opportunity for learning on the job
- When it comes to money: What do I get for the money?
  - Important roadmap decisions
  - early insider insights
  - connections (for other projects)
  - acknowledgement and praise
  - feeling of “doing the right thing”



# How to create a community driven project?

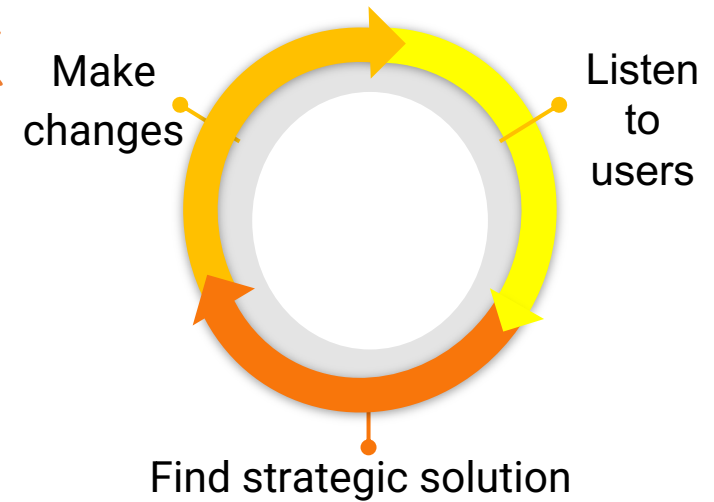
- Search for the broad need!
- Use your connection (Moodle Users Association, conferences)
- Take the responsible persons in
- Take HQ onboard (LMS Team)
- Inform broadly and repeatedly
- Word of mouth propaganda

***Believe in your dream and never give up!***



# Continuing a history of good work

- 2002 Quiz added to Moodle 1.1
- 2004 Question types become plugins in 1.4
- 2006 Question bank separated from quiz in 1.6
  - Lots more feedback added in 1.7
- 2008 New gradebook & improved question bank in 1.9
- 2009 Better quiz reports in 2.0
- 2011 New question engine & behaviour plugins in 2.1
  - Quiz access rule plugins in 2.2
- 2013 Improved usability for editing questions & auto-save in 2.5
- 2014 Improved quiz building in 2.8
- 2015 Drag-drop question types added in 3.0
- 2016 Mobile app support in 3.1
- 2018 Use question tags in random quizzes in 3.6
- 2020 SEB integration in 3.9
- 2022 Enhance question bank & plugin type in 4.0



More and more community plugins created

- Many question types
- StudentQuiz & other activities
- Embedded questions
- Novel behaviours ...



# What was in Moodle 4.0

- Question versions
  - Moodle tracks every change to questions
  - History can be reviewed
  - Quiz can select a fixed version, or always latest
  - Versions can be draft – so not used until ready
- Plugin structure – add question bank features
- See in the question bank if and where a question is used
  - Including the statistics for how well it worked
- Comments – to help teachers work together creating questions
- Custom fields – add your own metadata to questions
- Many small improvements, especially to usability





# What is coming in Moodle 4.1

- Advanced searching
  - Also for Quiz random questions
- Question bank activity
  - Control where you have question banks – not just one per course
  - Better sharing & reuse of questions
- Better screen for managing the categories
- Inline editing of question name, etc.
- More customisation of the view
- ...

**Warning!**  
work in progress  
may not all get  
done!



# The development team - Catalyst AU



Safat Shahin  
Lead Developer



James Williams  
Project Manager



Nathan Nguyen  
Developer

...



# Quiz 4.0 Demo

<https://quiz4.catalyst-au.net/course/view.php?id=101>



# Quiz future - what next

## In Moodle 4.2?

- More options for calculating total quiz grade - new p
- Better manual grading – including on-screen annota
- (Inline-)Comments in essay answers and lecturers-o
- Rubrics for essay question types

## Beyond

- Review the question types in core
  - Add Ordering?
  - Add Record audio/video?
  - Improve multi-choice – add features from plugins
- ...

**please  
contribute! (and  
share ideas)**

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# Questions?

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Moodle quiz forum

<https://moodle.org/mod/forum/view.php?id=737>

## **Quiz 4.x initiated by**

Luca Bösch, Tim Hunt, Thomas Korner

**up to now funded by more than 15 institutions  
from 6 countries**

## **wireframes**

Luca Bösch, Yvonne Wolf

## **user stories**

Luca Bösch, Antonia Bonaccorso, Marco Lehre

## **development**

Catalyst Australia

