Moodle 4: novità e aspetti da valutare

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Repetita juvant!

The Moodle Project is designed to have a positive effect on the world by supporting and empowering the educators who are teaching students in all sectors, in all countries.

Moodle HQ looks to the world, talks with our community, and creates solutions in the forms of products that fit our values of **education, openness, respect, integrity and innovation.**

User experience and flow

Enabling all our developers

Better integrations between Moodle products

Better integration with the world

The roadmap of 2022 Q2/Q4

Moodle 4.0 (the present)

UX improvements

- Navigation
- Course experience
- Onboarding
- Other wins (calendar / timeline block)
- UI consistency via component library

New:

- Atto accessibility improvements (MUA)
- Workplace Report Builder integration
- Site admin presets
- Question bank improvements
- LTI 1.3 Advantage Tool / Provider implementation
- BigBlueButton integration

Moodle 4.1 (the near future and LTS)

UX improvements

- Course activities
- Gradebook
- Global UX (tables/filters)

New

- Improved integration with MoodleNet and other Moodle sites
- Improved integration with 3rd party platforms/tools
- Database improvements (MUA)
- Question bank improvements

Notes on the Moodle LMS releases

Moodle 4.0 (April 2022)

For our very large new releases such as 1.0, 2.0, 3.0 and now 4.0, we often take longer so that we can tackle more significant chunks of important core work, giving us the opportunity sometimes to make more serious changes to UX or architecture. **Moodle 4.0 will focus on UX improvements**.

As part of a significant UX and design change, the current focus is on three main UX projects:

- Improved navigation, search and menus - MDL-69588
- Making it easier to create and manage courses - MDL-70907
- Making it easier for students to know what they need to do to complete a course, and know what's next

Other projects include:

- LTI 1.3 Advantage Tool / Provider implementation - MDL-69542
- BigBlueButton integration - MDL-70658
- a community proposal for the question bank being discussed and shaped by a consortium of universities - Question bank improvements for Moodle 4.0.
- Integration of the admin presets tool to enable saving, loading, and sharing of Moodle site configurations - Site admin presets.

Moodle 4.1 (November 2022)

Moodle 4.1 (and following 4.x releases) will see a **continuation of user experience (UX) improvements** for the Moodle LMS platform. Moodle 4.0 focused on significant UX improvements for navigation and the main course page experience. In Moodle 4.1 we will focus on improving the **UX for the course activities**, commencing with the most widely used activities such as **Assignment and Quiz. Improving the gradebook UX will be another main focus**.

Other projects include:

- Improving the integration with MoodleNet
- Investigating and commencing the project to improve messaging in Moodle (proposed integration with Matrix messaging)
- MUA projects to improve the Database and Assignment activities
- Continuing the Question bank improvements project

MUA wip for semester june/dec 2022

Add a PDF Annotation assignment type

Both Canvas and Schoology both support PDF annotation as an assignment type where students can annotate and submit their annotated PDF for grading. Moodle should add this support natively as well

Default Settings for Activities and Resources Completion Criteria

Add a setting page at the system level to manage all the default completion criteria for each activity and resource. Tomorrow, as admin, I'd like to choose the default setting for each activity/resource independently of each other
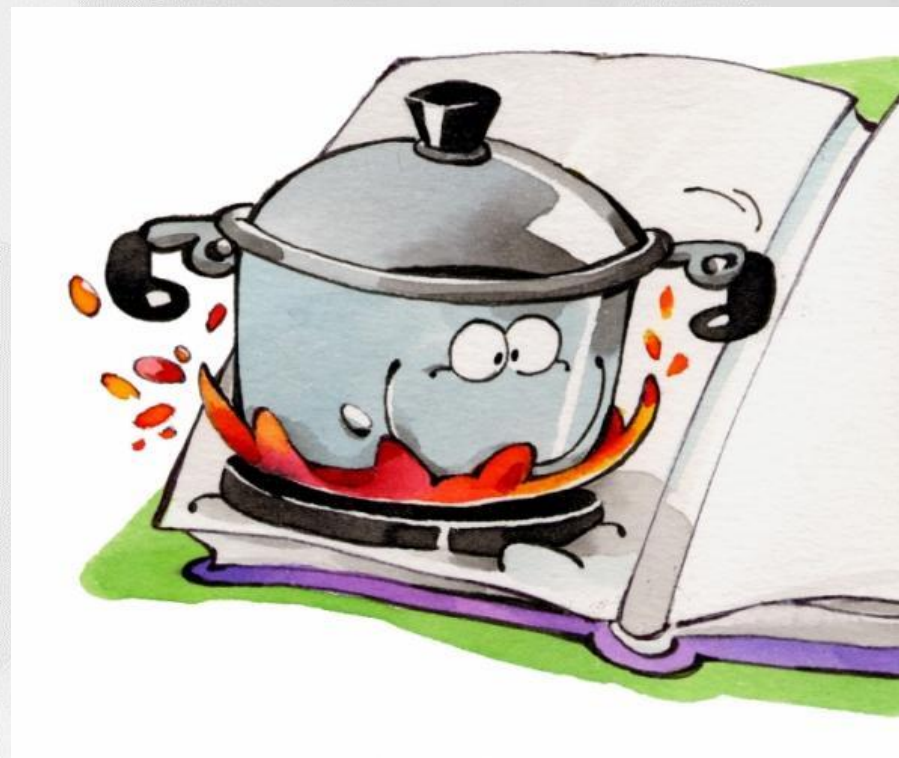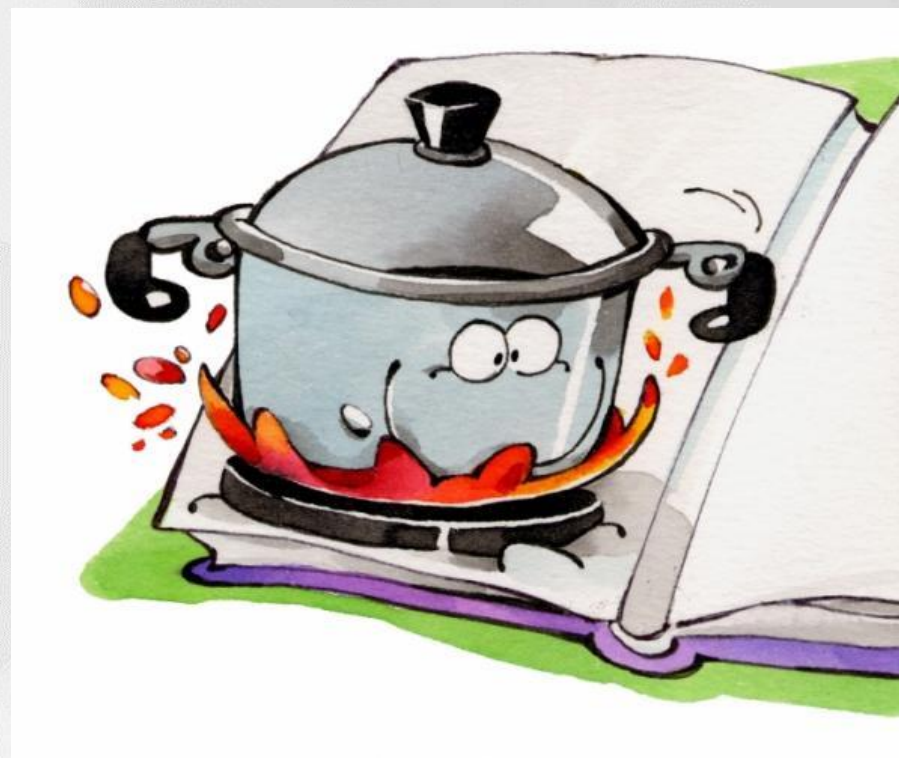
MUA wip for semester june/dec 2022

Improve Moodle Reporting

Improve Moodle reporting was suggested as a project in the early 2022 project cycle.

Moodle Wiki export and import

In order to make Moodle core wikis reusable - for example in other courses - introduce a possibility to export wikis in human readable format as well as in a format, which can be re-imported in Moodle. The exported entries should optionally be made anonymous.

MUA wip for semester june/dec 2022

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Moodle 4.0 - Nuove Funzionalità

Nuove Funzionalità

Dashboard and Timeline

Stay on target with deadlines with an improved Timeline on the Dashboard.

MoodleMoot IT 2022 Tutorial

Source www.moodle.org

Nuove Funzionalità

New Navigation

Course index

Move smoothly between course sections.

MoodleMoot IT 2022 Tutorial

Source www.moodle.org

Nuove Funzionalità

New Navigation

Activity completion

View complete and incomplete activities easily from the course index.

Source www.moodle.org

MoodleMoot IT 2022 Tutorial

Nuove Funzionalità

Course Editing

Edit mode

Toggle edit mode and access the new block drawer to add or view blocks.

MoodleMoot IT 2022 LAB

Source www.moodle.org

Nuove Funzionalità
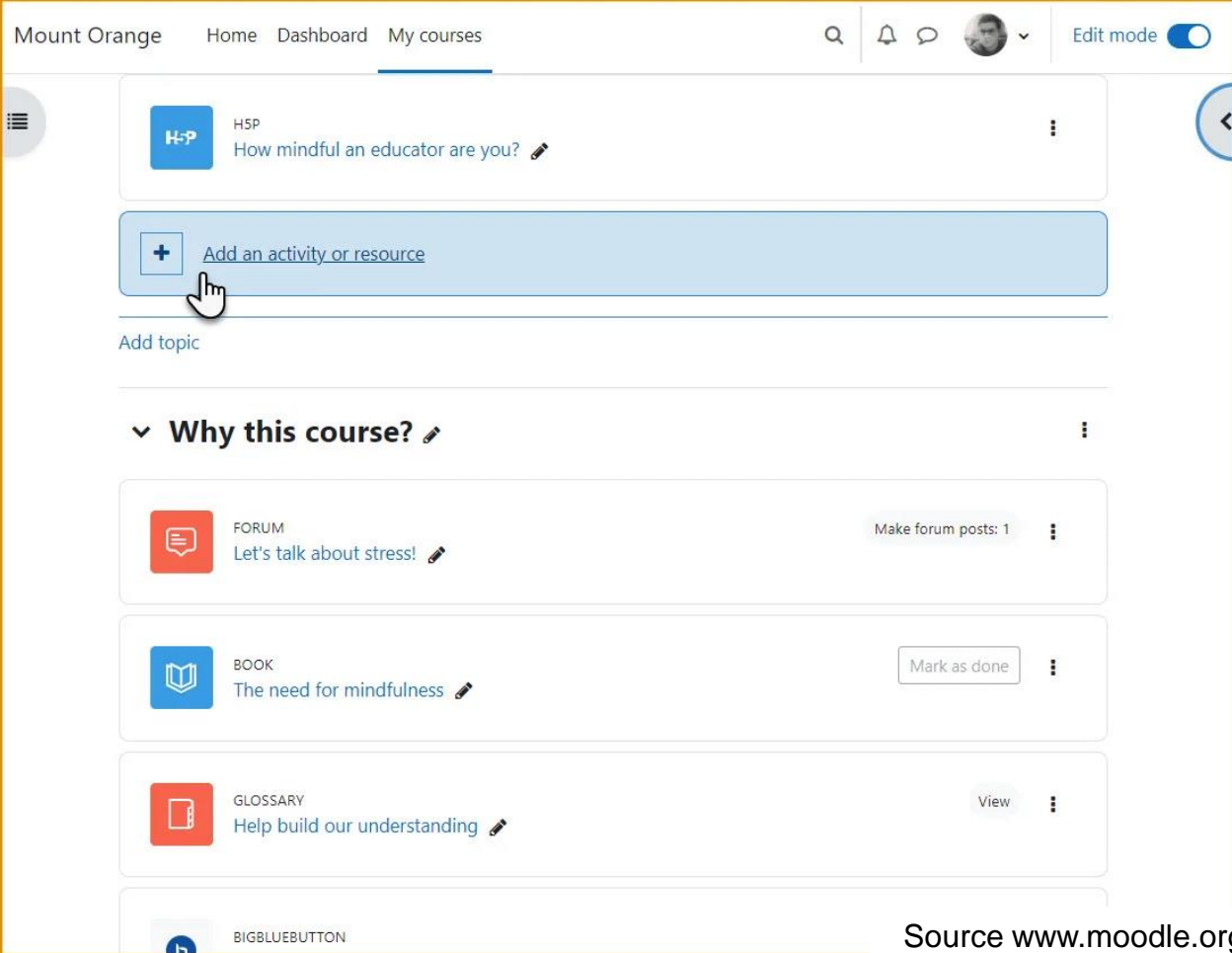
Course Editing

Easily add content

Add activities and resources with a simple click.

Attenzione !!

Default
preference_core_contentbank_visibility

Source www.moodle.org

Nuove Funzionalità

Contextual navigation

Find your way around the course and activities with clear tab menus.

MoodleMoot IT 2022 LAB

Source www.moodle.org

Nuove Funzionalità

Course Editing

Drag and drop to move

Move items from the course index or the central area.

Source www.moodle.org

Nuove Funzionalità

Improved question management

Save as draft or make ready; see version history and use custom fields when working with colleagues..

Source www.moodle.org

Nuove Funzionalità

Question bank plugins

Show or hide options such as comments and usage.

MoodleMoot IT 2022 Instant coding !!!

Source www.moodle.org
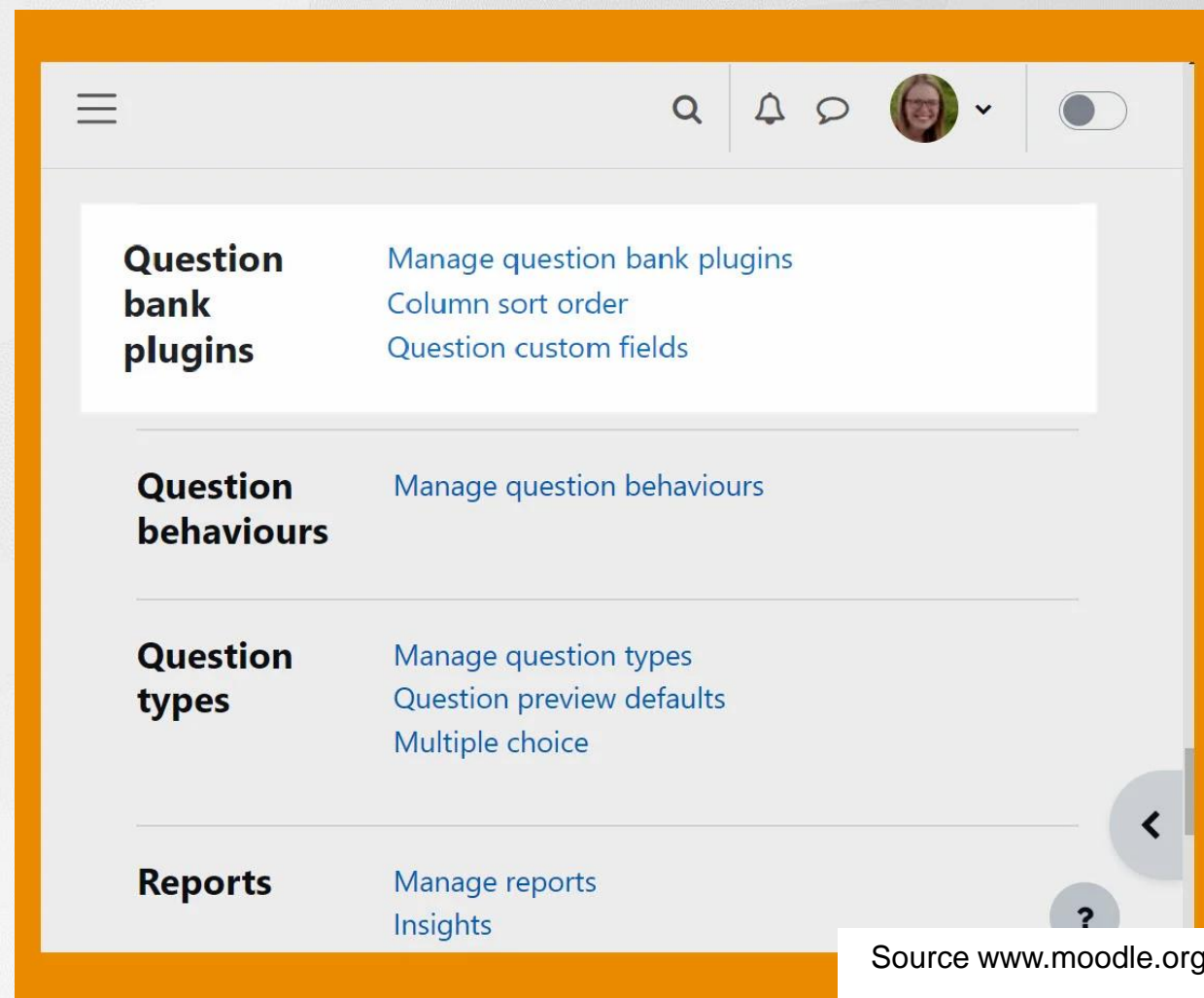
Nuove Funzionalità

ESEMPIO DI QBANK PLUGIN
Sviluppo di un plugin per exportare le domande in formato GIFT

Nuove Funzionalità

Grade to pass completion

Activity completion can now include a passing grade.

Source www.moodle.org

Nuove Funzionalità

Atto accessibility

The Atto editor has improved accessiblity thanks to an MUA funded project.

MoodleMoot IT 2022 Tutorial
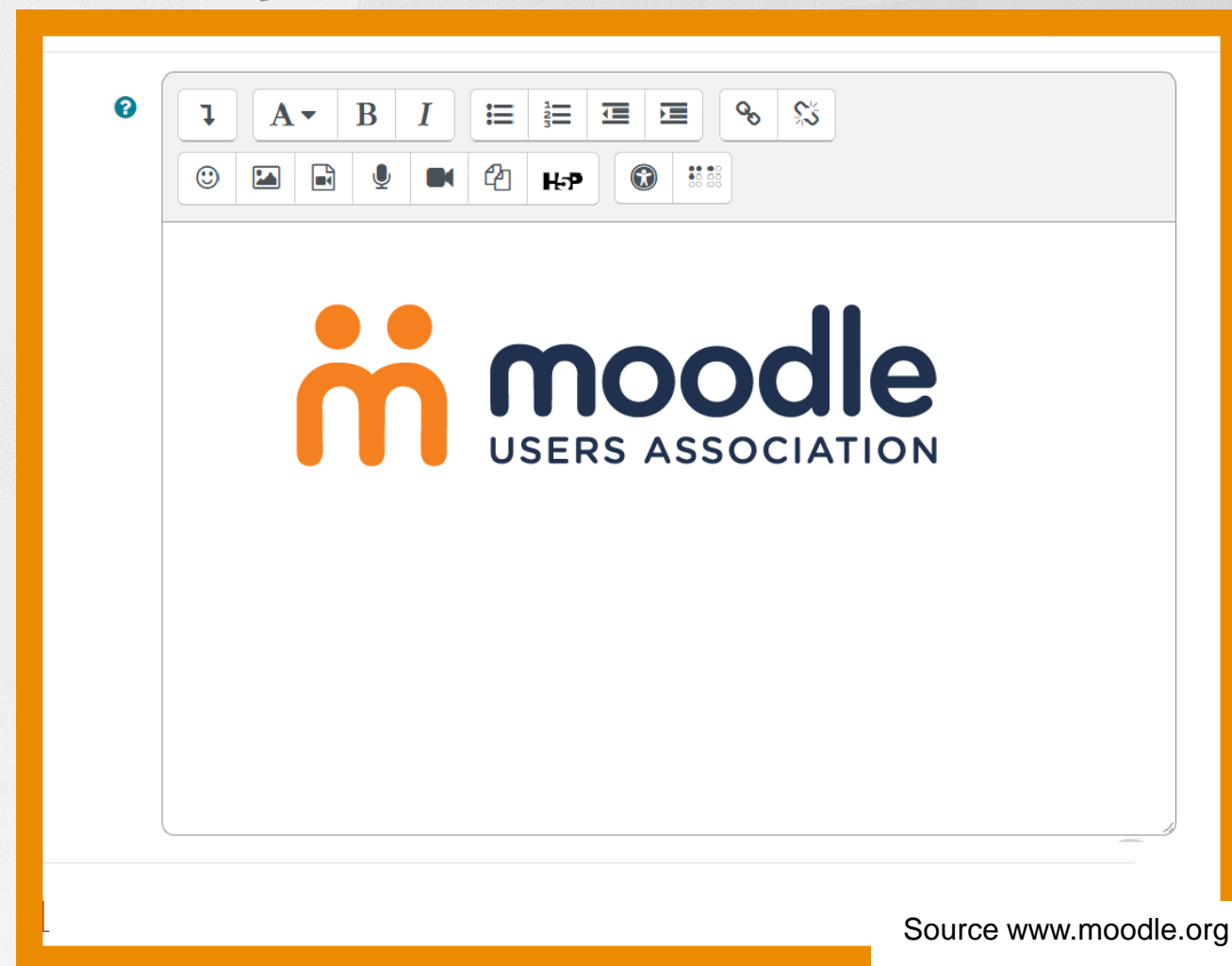
Source www.moodle.org

Nuove Funzionalità

New activity icons

Colour-coded icons help identify the function of each activity.
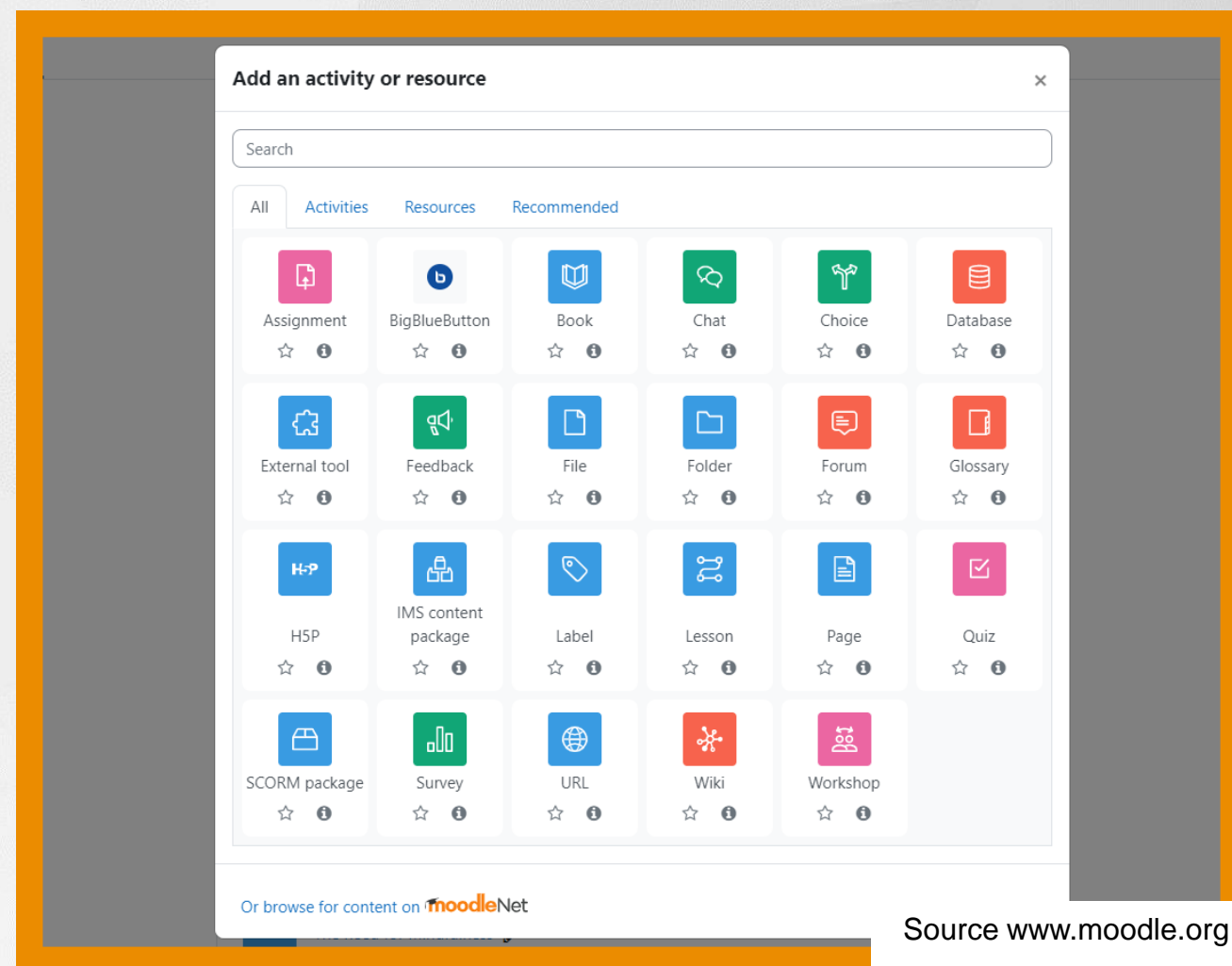
Source www.moodle.org

Nuove Funzionalità
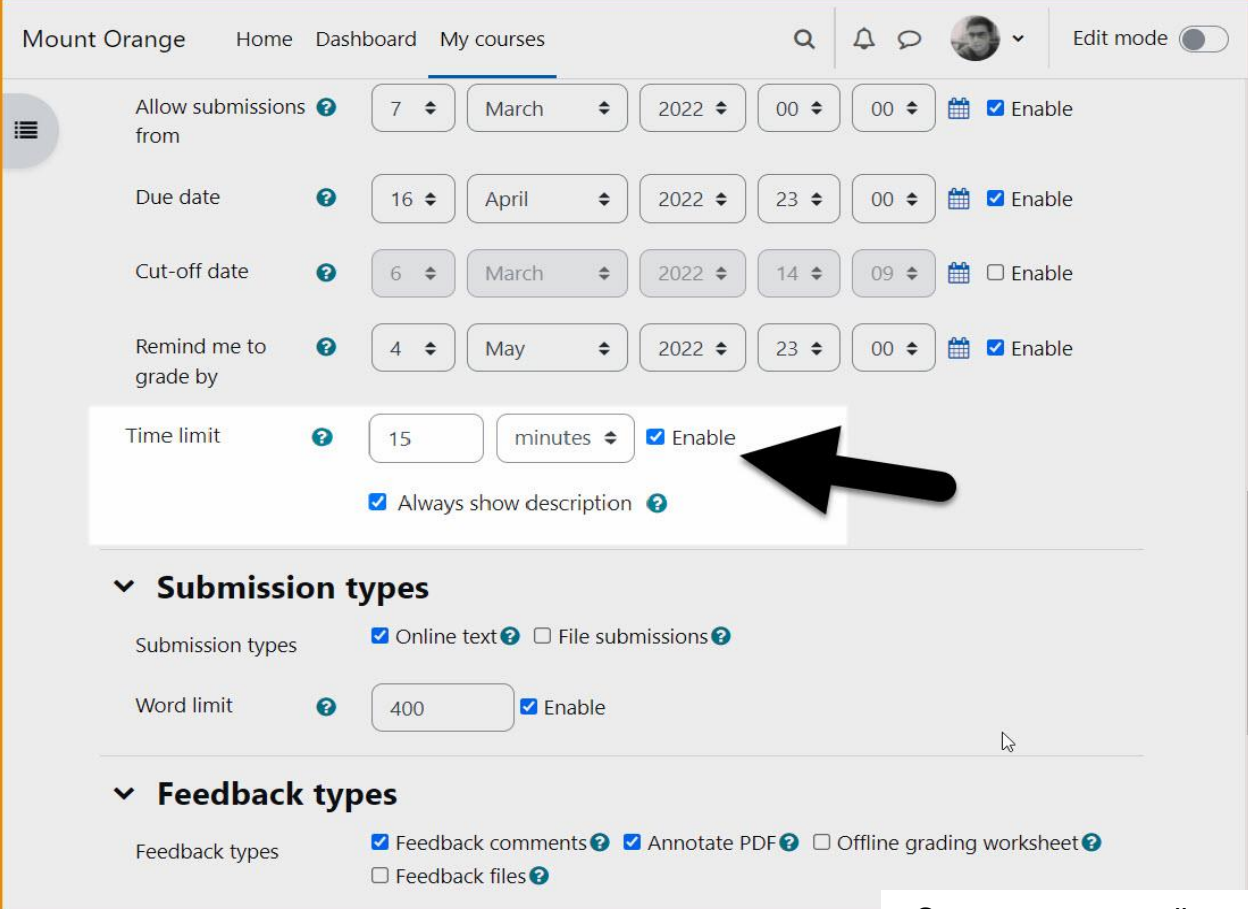
Timed assignments

Specify a time on assignments to encourage learners to submit within the period.

Attenzione !!

Deve essere abilitato da admin
(sulla mia installazione 4.0.x era disabilitato)
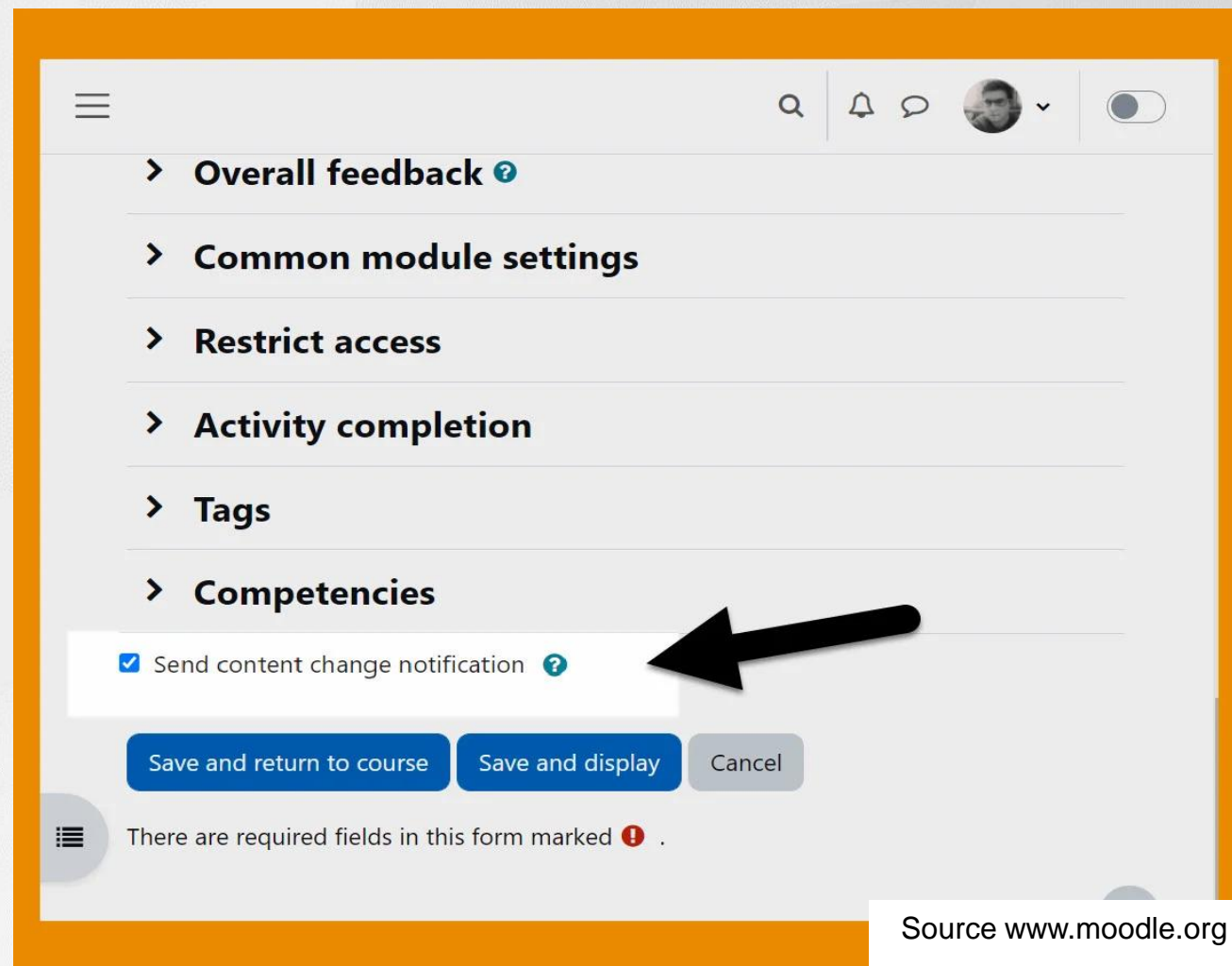
Source www.moodle.org

Nuove Funzionalità

New in courses

Content updates

Notify learners when course content is added or updated.

Source www.moodle.org

Nuove Funzionalità

New in courses

Big Blue Button

Use a free trial of Big Blue Button for live web conferencing.

Con il server di default ci sono le "solite" limitazioni:

- The maximum length for each session is 60 minutes
- The maximum number of concurrent users per session is 25
- Recordings expire after seven (7) days and are not downloadable
- Student webcams are only visible to the moderator

Attenzione !!
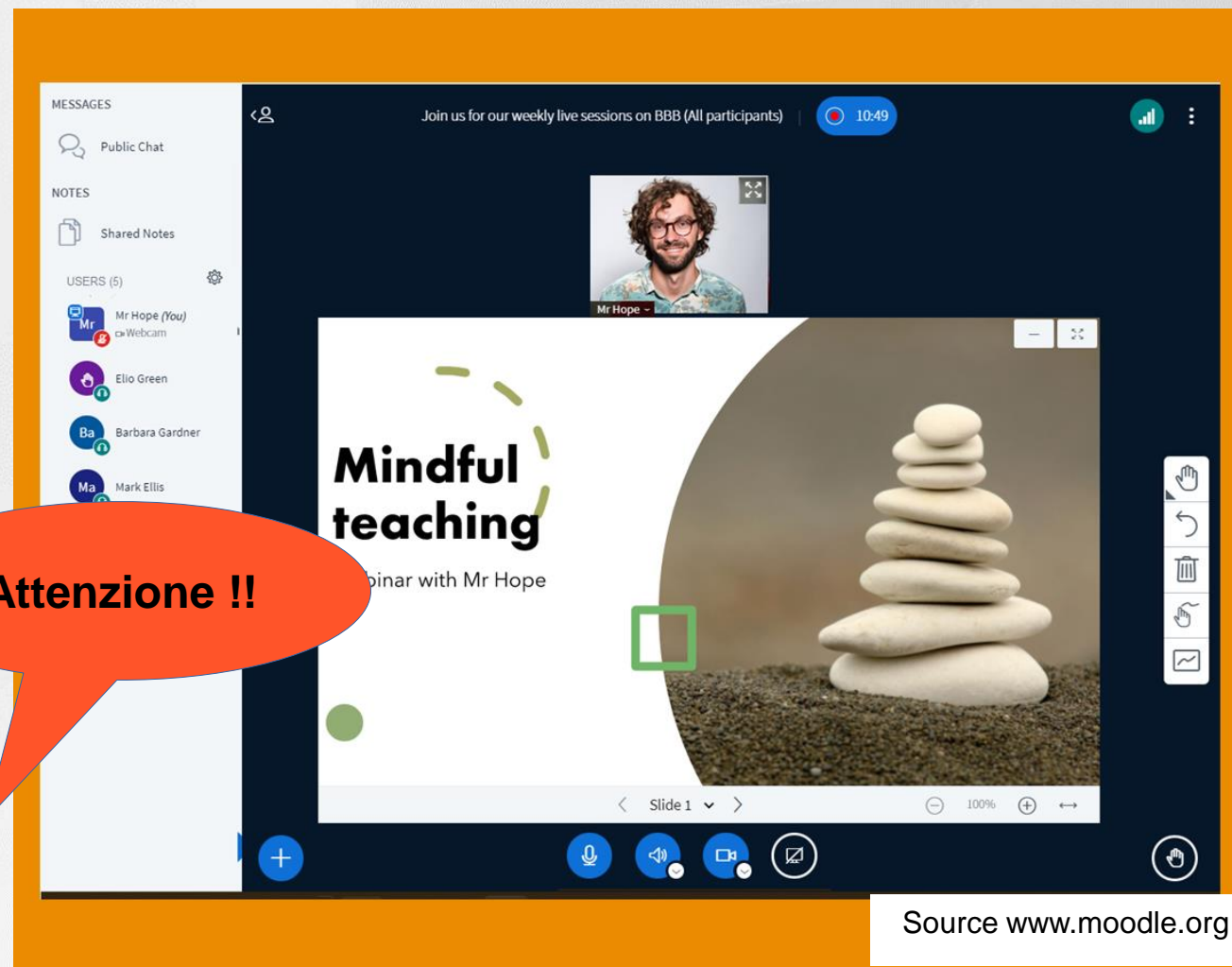
Source www.moodle.org

Nuove Funzionalità

New for admins

Report builder

Set up Custom reports and share with selected users, roles or cohorts.

MoodleMoot IT 2022 Tutorial
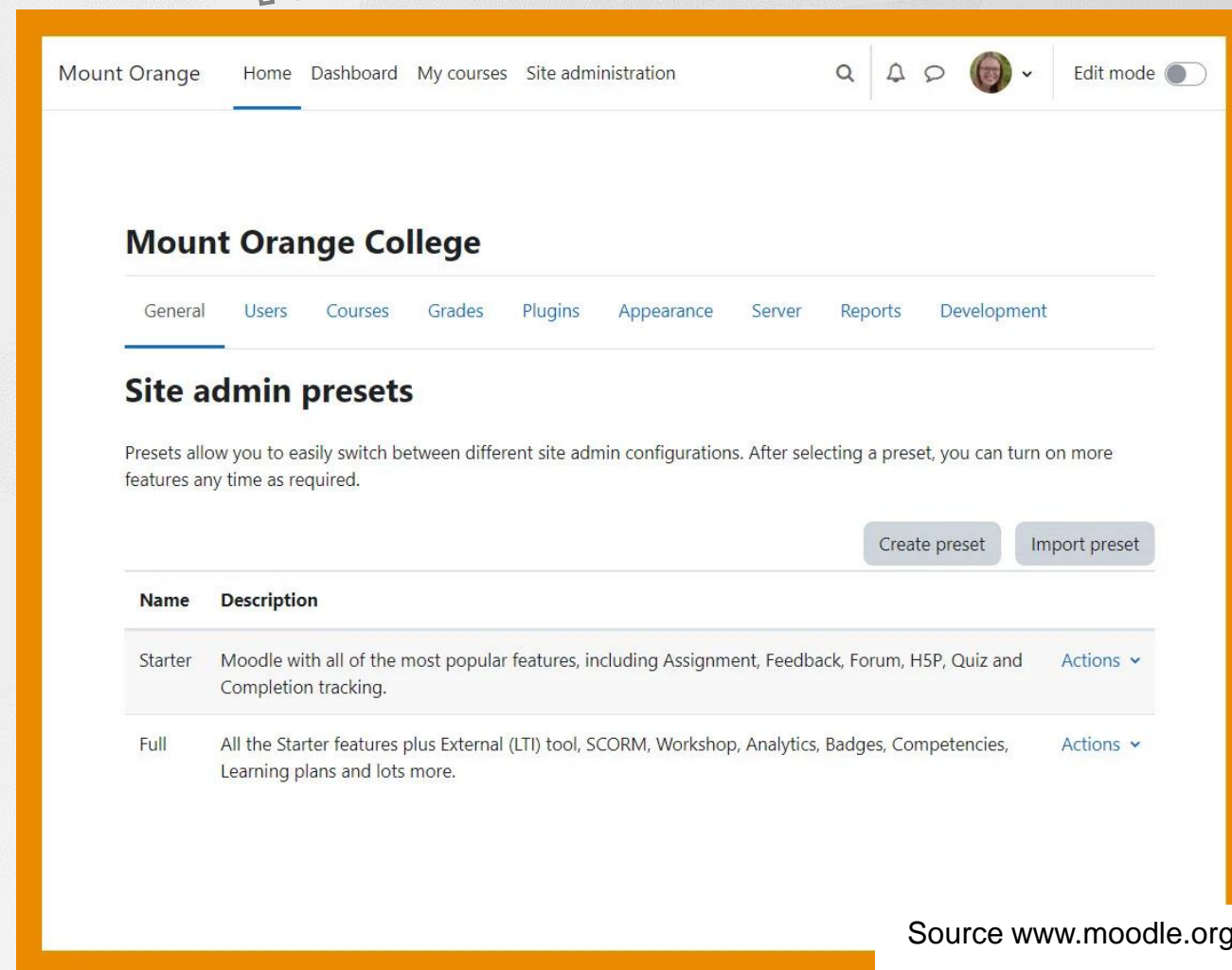
Source www.moodle.org

Nuove Funzionalità

New for admins

Site admin presets

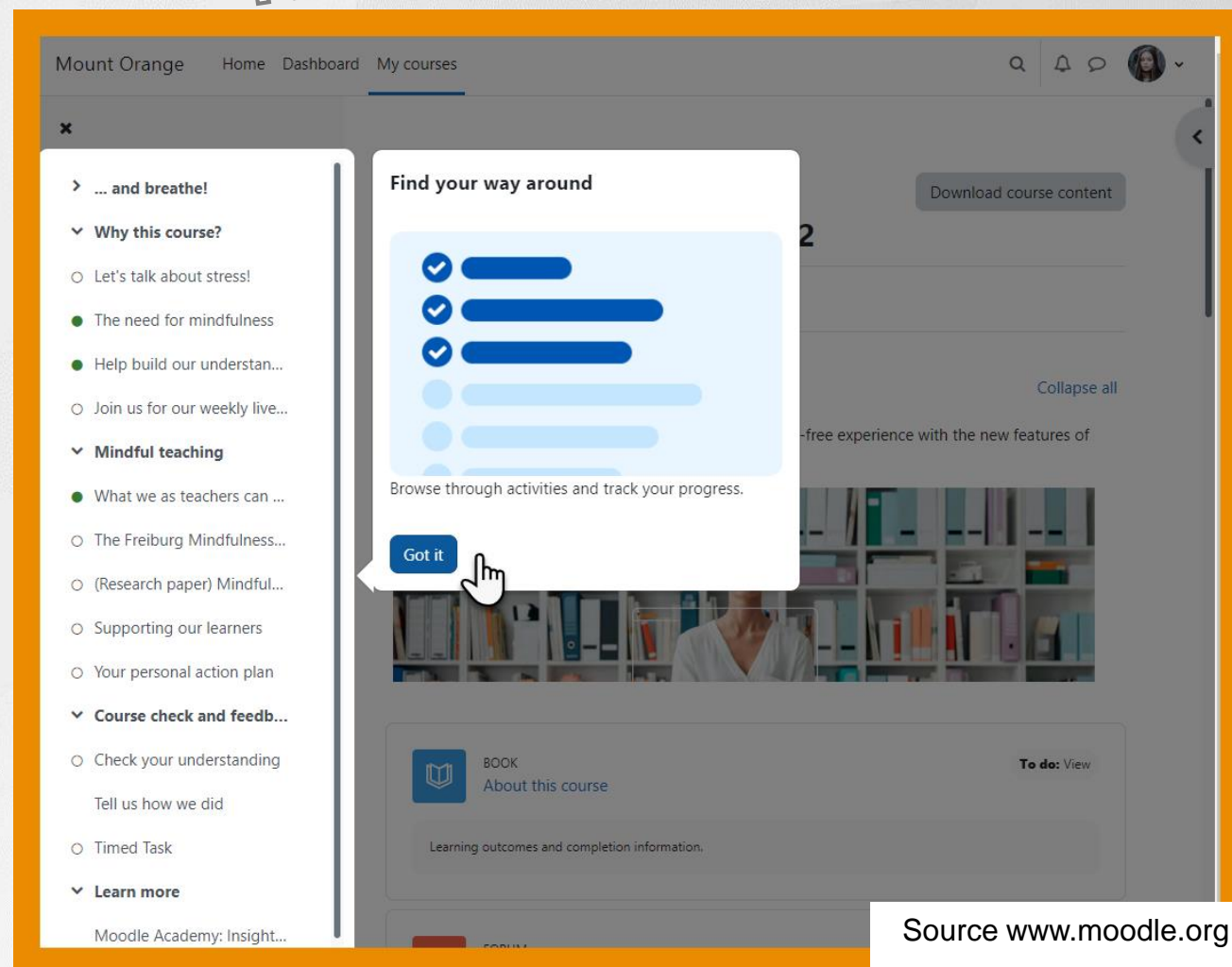Easily offer a streamlined or full set of features to users.

Source www.moodle.org

Nuove Funzionalità

New for admins

User tours
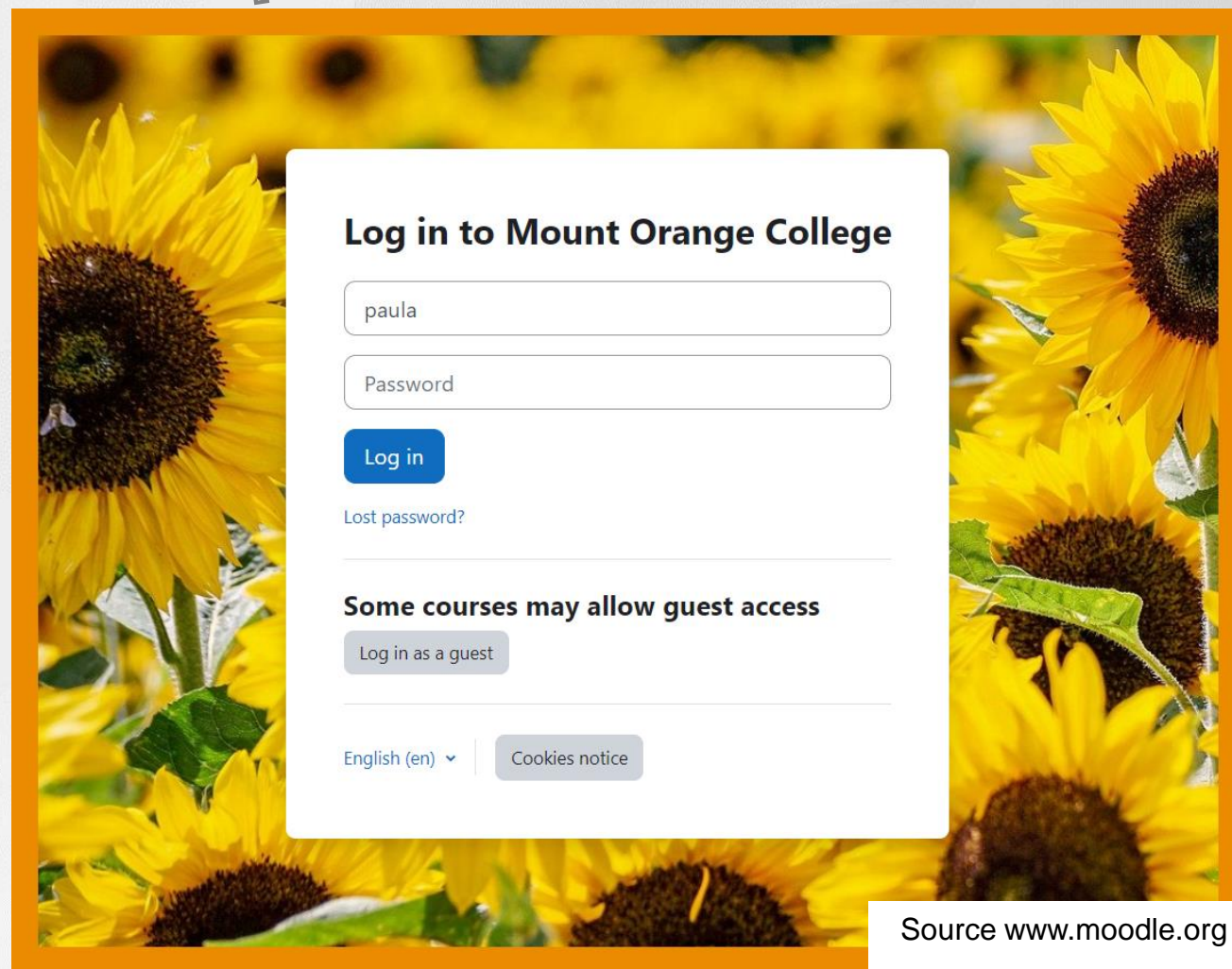
Improved User tours can also include graphics.

Source www.moodle.org

Nuove Funzionalità

New for admins

Login page

Define a background image for the improved login page.

Source www.moodle.org

Nuove Funzionalità

New for admins

Site support

A mandatory support email improves access to support.

Contact site support

Name	❗	

| Email address | ❗ | |

| Subject | ❗ | |

| Message | ❗ | |

Submit Cancel

There are required fields in this form marked ❗ .

✉ Contact site support

You are not logged in. (Log in)
Data retention summary
Get the mobile app
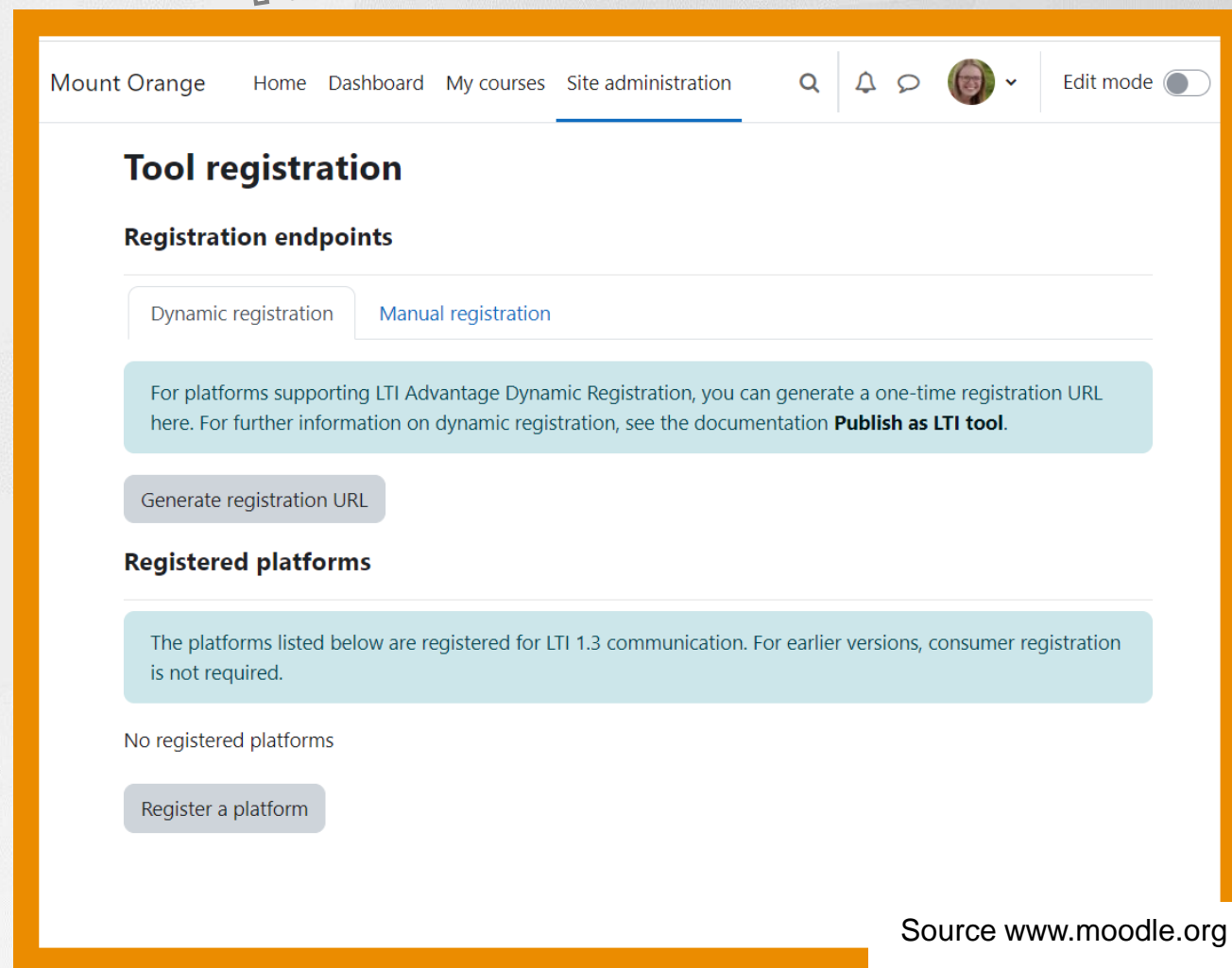Policies

Powered by Moodle

?

Source www.moodle.org

Nuove Funzionalità

LTI 1.3 Advantage

Moodle 4.0 supports LTI 1.3
Advantage. See Publish as LTI tool

MoodleMoot IT 2022
Tutorial

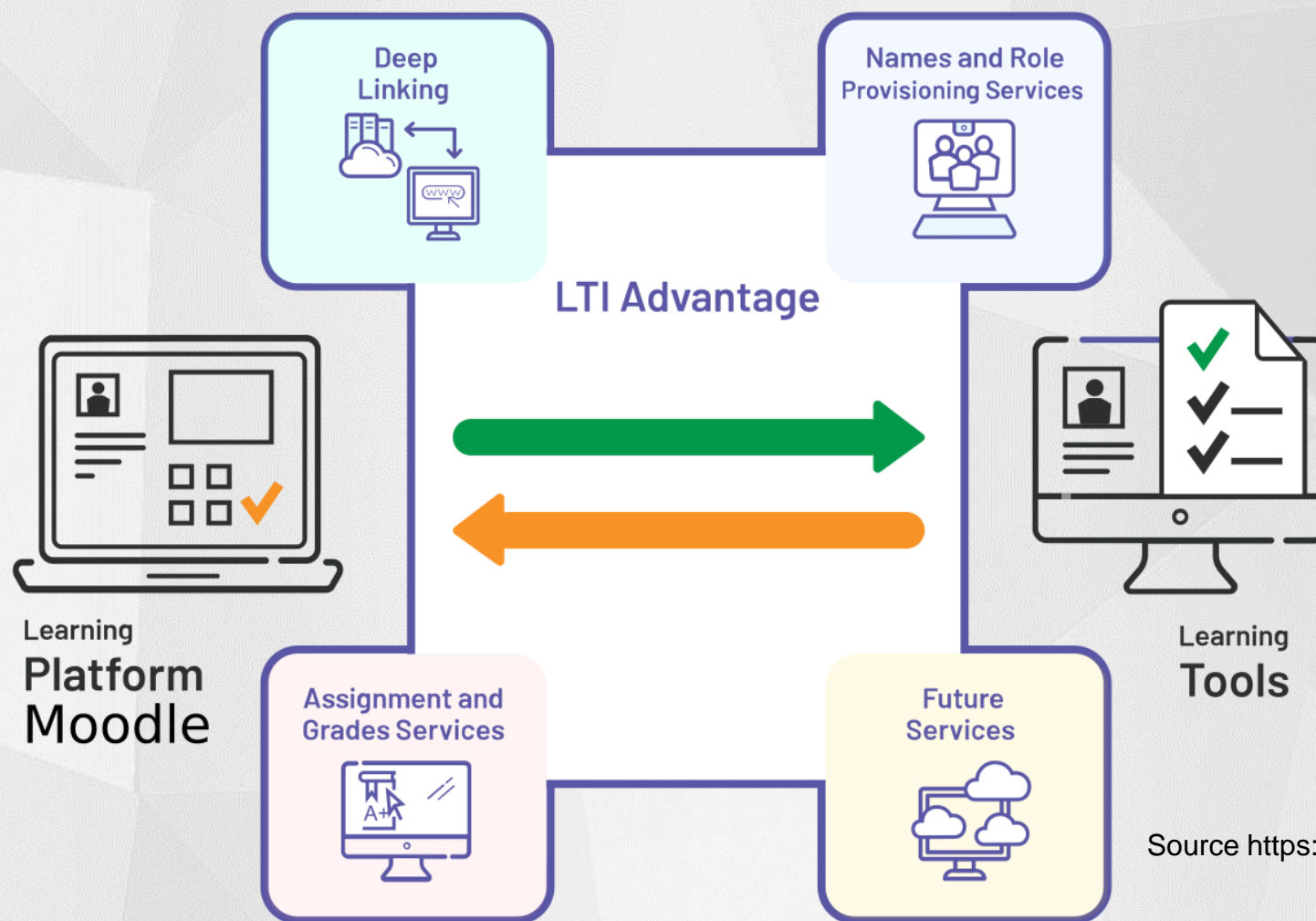Source www.moodle.org

Nuove Funzionalità

New for admins

Source https://imsglobal.org/home

LTI 1.3 Advantage Test Tool - robotest

- Install anaconda
- Create and activate a virtualenv
- git clone https://github.com/claudevervoort/ltiautotest.git
- In robotest directory:
  - Update requirements.txt for python 3.9.12:
    - cryptography==38.0.1
    - httptools==0.5.0
  - pip install -r requirements.txt
  - ssh-keygen -t rsa -b 2048 (the autokeygen do not work…) and save the private key as private.pem
  - Modify the startup.sh as follow:
    - Add export ROBOTEST_WWW="https://robotest.dev.di.unito.it" at the beginning
    - Add –port 5050 to uvicorn cli exec
- You can start the tool now

```
INFO:     Started server process [2008]
INFO:     Waiting for application startup.
INFO:     Application startup complete.
INFO:     Uvicorn running on http://127.0.0.1:5050 (Press CTRL+C to quit)
```

LTI 1.3 Advantage Test Tool - robotest

- <VirtualHost *:443>
- 	ServerName robotest.dev.di.unito.it
- 	ServerAdmin rabser@di.unito.it
-
- 	CustomLog /www/robotest/logs/https_access.log combined
- 	ErrorLog /www/robotest/logs/https_error.log
-
- 	ProxyPreserveHost On
- 	RequestHeader set X-Forwarded-Proto "https"
- 	RequestHeader set X-Forwarded-Port "443"
-
- 	ProxyPass / http://127.0.0.1:5050/
- 	ProxyPassReverse / http://127.0.0.1:5050/
- </VirtualHost>
-

LTI 1.3 Advantage Test Tool - robotest

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Nuove Funzionalità

New for admins

LTI 1.3 Advantage test tool - robotest

Upgrade: Yes or No ?

- Plugin aggiornati: circa 180 su 2000 (< 10%)
- Temi aggiornati: 15 su 200 (<10%)

- Problemi di aggiornamento: seguendo I forum la maggior parte dei problemi è legato a:
  - plugin non aggiornati.
  - alcuni problemi lamentati nel passaggio da BBB plugin a BBB core
  - ma soprattutto problemi con i temi
  - problemi con gli ambienti operativi (php/mysql vecchi o troppo nuovi)
  - senza fare cenno a personalizzazioni "in-house" e i nuovi skill richiesti in framework "reactive"