Moodle Overview & Product Vision

Marie Achour

May 2024

Hello 👋

Product Manager by trade & the Global Head of Product @ Moodle HQ.

Moodle HQ

265 team members

based in

23 countries

speaking over

26 languages

The team

Product Managers

UX Designers

Software Developers

Our work

Moodle LMS

Moodle Apps

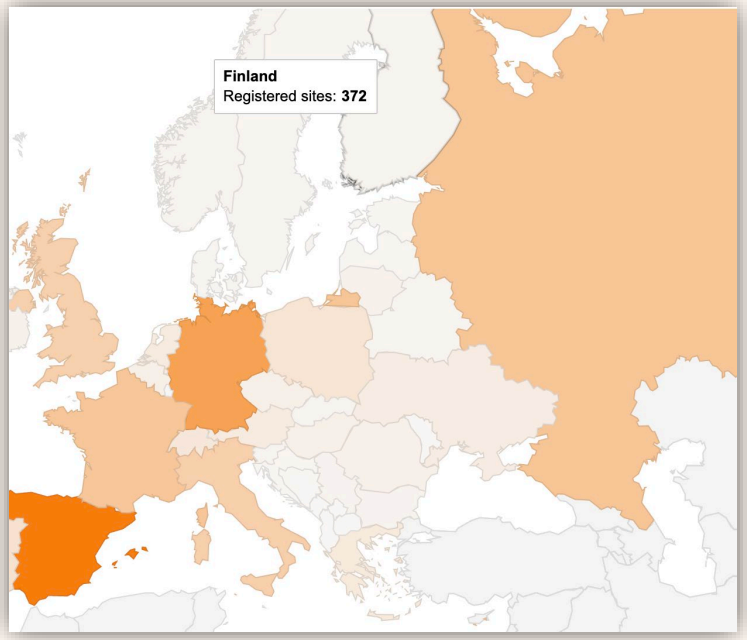
Moodle Community

Moodle Workplace

Moodle Cloud

Our presence

Sites 163,128	Courses 48,322,483
Users 417,422,955	Enrolments 2,371,418,575
Forum posts 811,900,434	Resources 428,746,461
Quiz questions 9,430,694,480	Countries 240



Our mission and manifesto

Moodle is a platform that is dedicated to empowering educators, trainers and learners all around the world. Our goal is to create solutions that make learning accessible to everyone, regardless of their location or financial situation. We want to enable learners to receive personalised learning experiences with creative educational content, easily collaborate with teachers and peers globally, and achieve outstanding learning outcomes.

Empowering educators to improve our world

Our aim is to cultivate a love for learning, fostering a community of lifelong learners, who are equipped to succeed in our ever-changing world and active participants in making the world a better place. At Moodle, we envision a future where learning is truly a right, not a privilege, and where everyone has the opportunity to unlock their full potential.

Product Vision

Empowering you for life

Principles

User focus

Enhancing our users' experience is at the heart of every change we make to Moodle.

Mindful change

Our community trusts Moodle and we are committed to supporting the millions of people who rely on our solutions.

Technical progress

We strive to continuously enhance Moodle’s underlying technology and modernise our solutions.

Secure, accessible & compliant

We believe that security, accessibility, and compliance with regulations are non -negotiables.

Development Themes

1. Unlocking Creativity
2. Facilitating Collaboration
3. Optimising Outcomes

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Unlocking creativity

We aim to empower educators and learners to shape their learning according to their imagination and aspirations, leading to a more inclusive and personalised educational experience.

Optimise Current Interfaces

Diversify Content Creation

Launch New Course Experience

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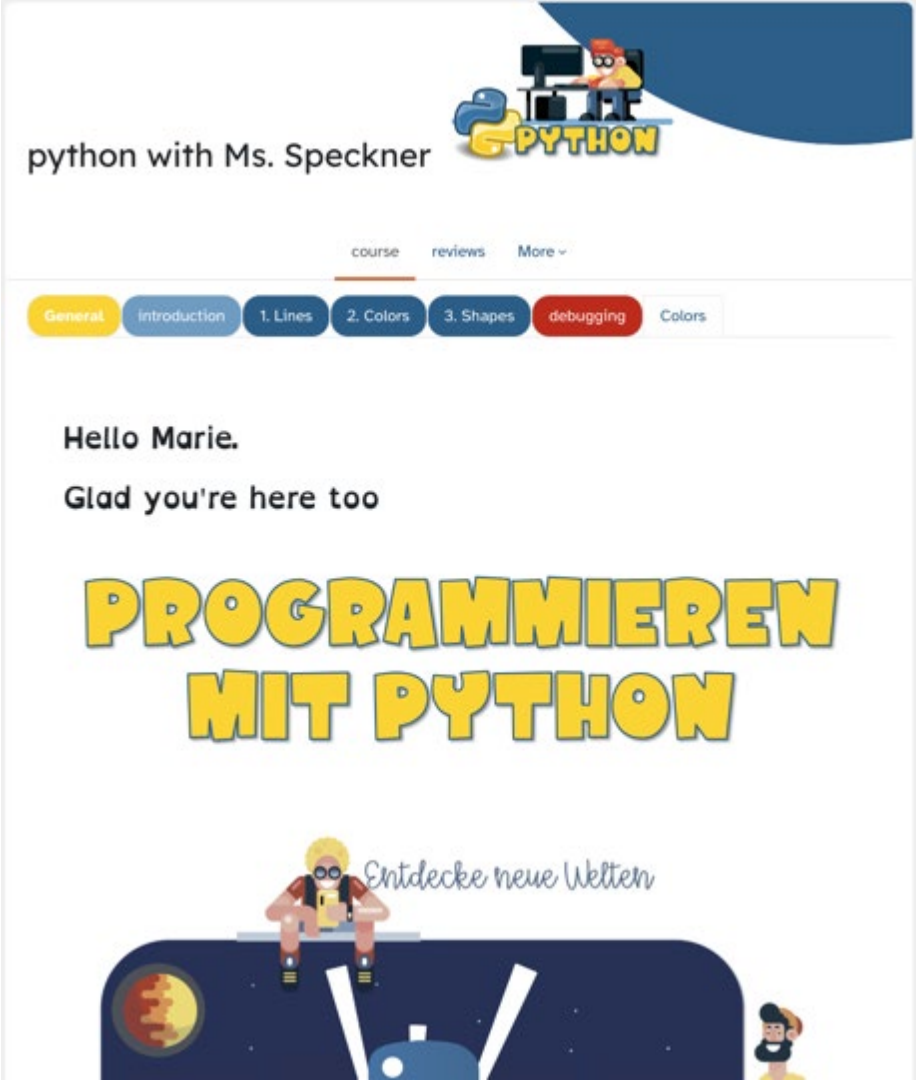
Moodle can be transformed into beautiful learning experiences



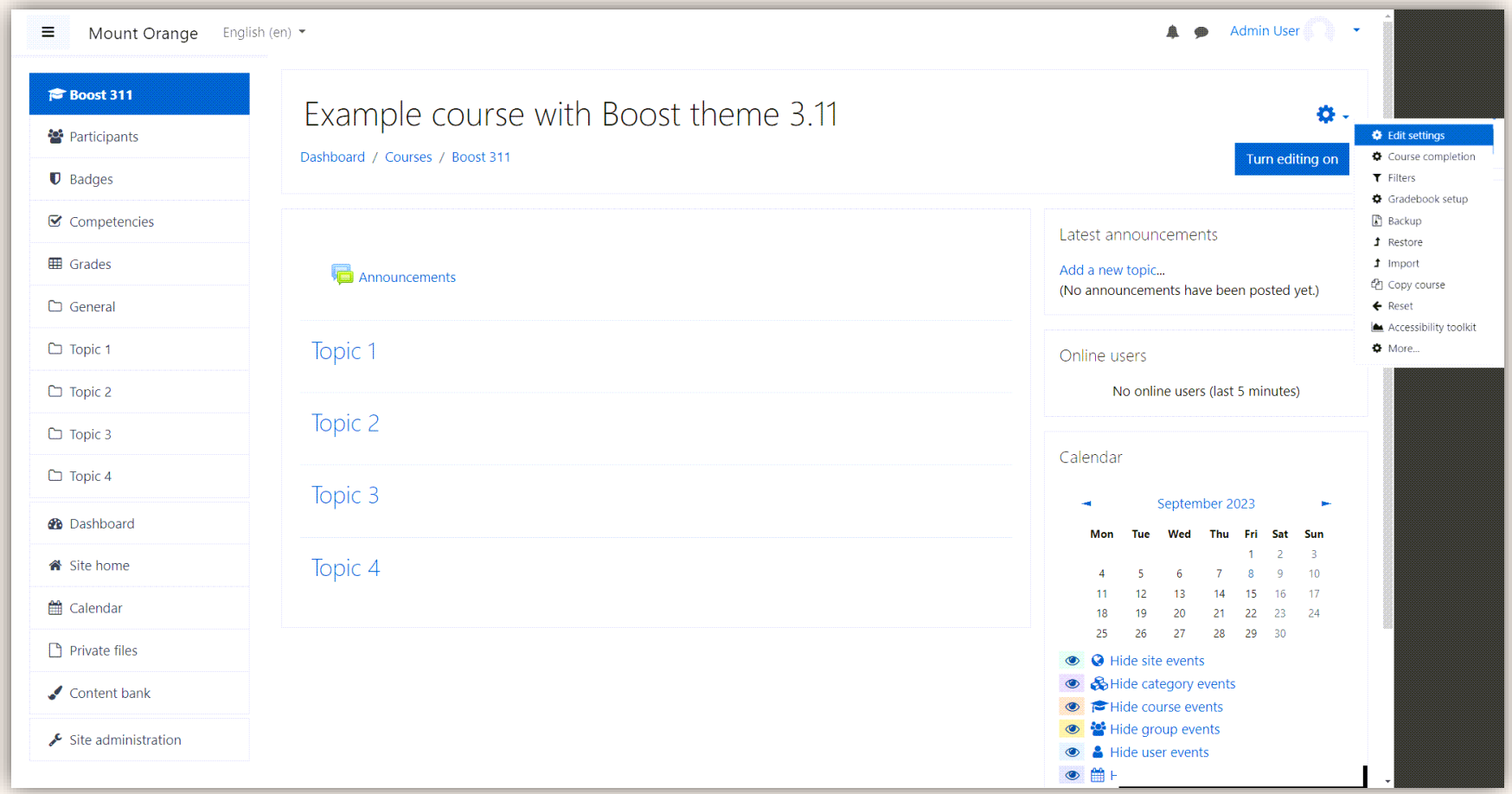
GET INSPIRED
Leave a rating
And shaped into modern courses for discerning learners
SKILL SHARE

But too many people still don’t know that

“User experience top issue”

“Compared to other modern LMS platforms, Moodle's design feels outdated.”

“It’s not easy to learn and it’s a bit clunky at times!”

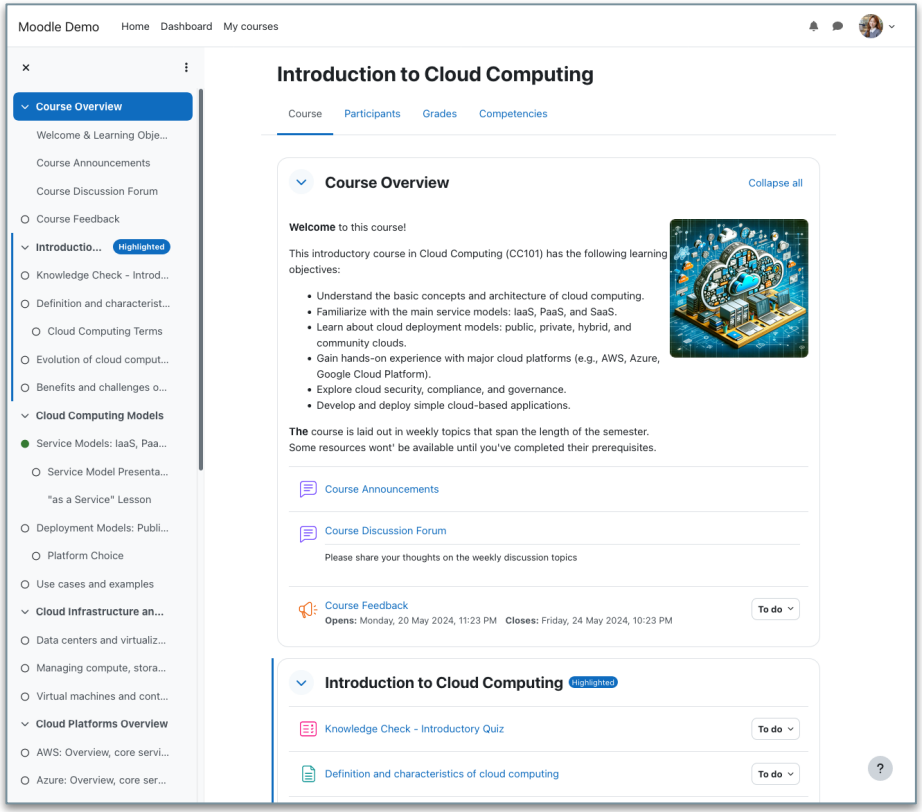

Mount Orange
English (en)
Admin User
Boost 311
Participants
Badges
Competencies
Grades
General
Topic 1
Topic 2
Topic 3
Topic 4
Dashboard
Site home
Calendar
Private files
Content bank
Site administration
Example course with Boost theme 3.11
Dashboard / Courses / Boost 311
Turn editing on
Edit settings
Course completion
Filters
Gradebook setup
Backup
Restore
Import
Copy course
Reset
Accessibility toolkit
More...
Announcements
Topic 1
Topic 2
Topic 3
Topic 4
Latest announcements
Add a new topic...
(No announcements have been posted yet.)
Online users
No online users (last 5 minutes)
Calendar
September 2023
Mon Tue Wed Thu Fri Sat Sun
1 2 3
4 5 6 7 8 9 10
11 12 13 14 15 16 17
18 19 20 21 22 23 24
25 26 27 28 29 30
Hide site events
Hide category events
Hide course events
Hide group events
Hide user events

Moodle LMS 4.4
Released: 22 April 2024

287 New Features & Improvements

Course Layout

- **Section Visual Indication**
- Topic Navigation
- Activity Icon Changes
- File Icons (mime)
- Course Editing



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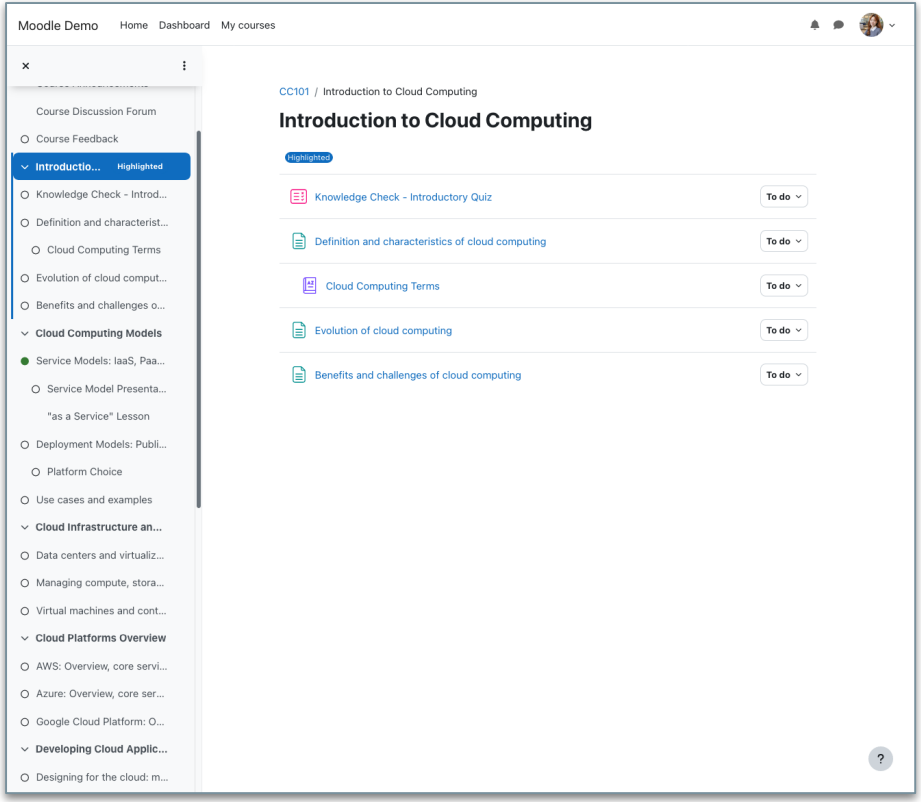

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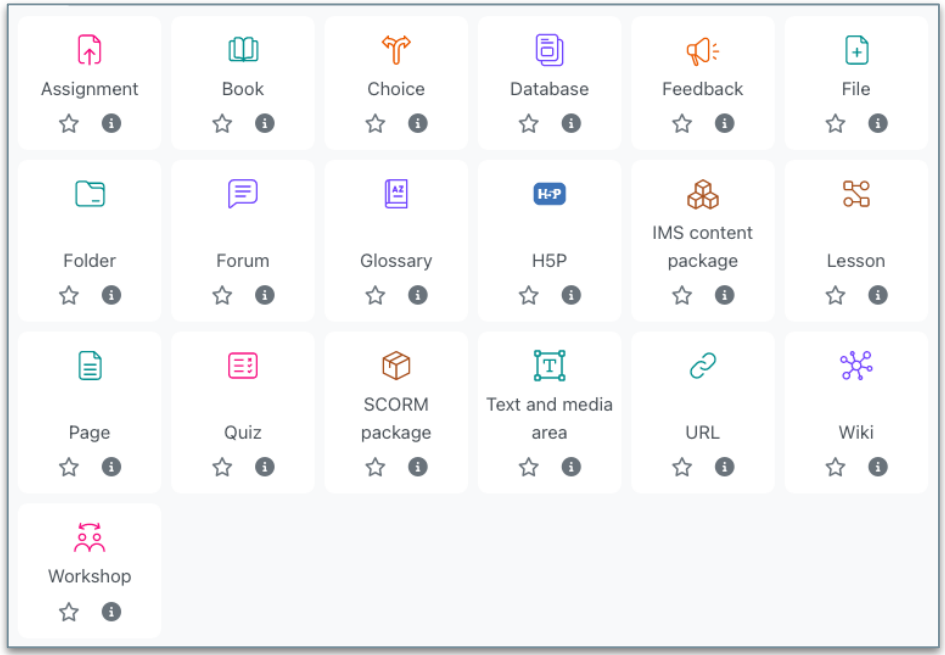

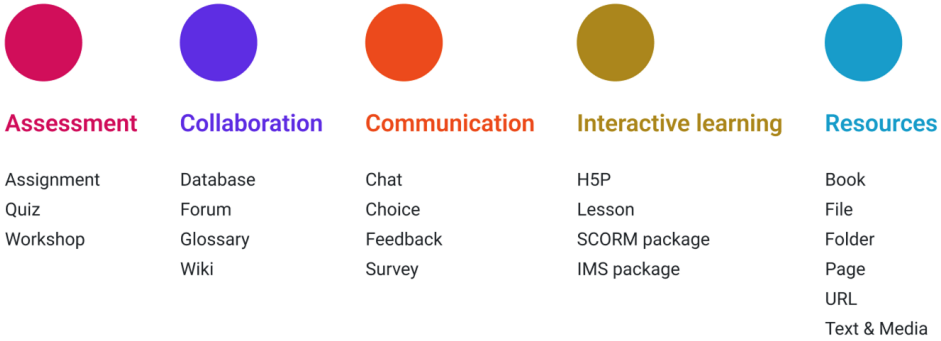

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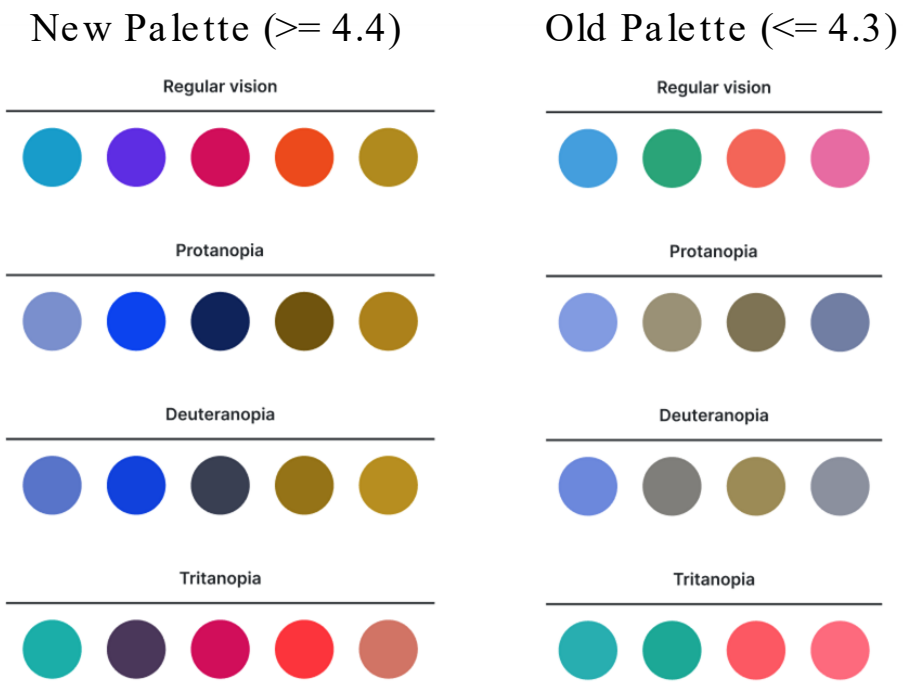

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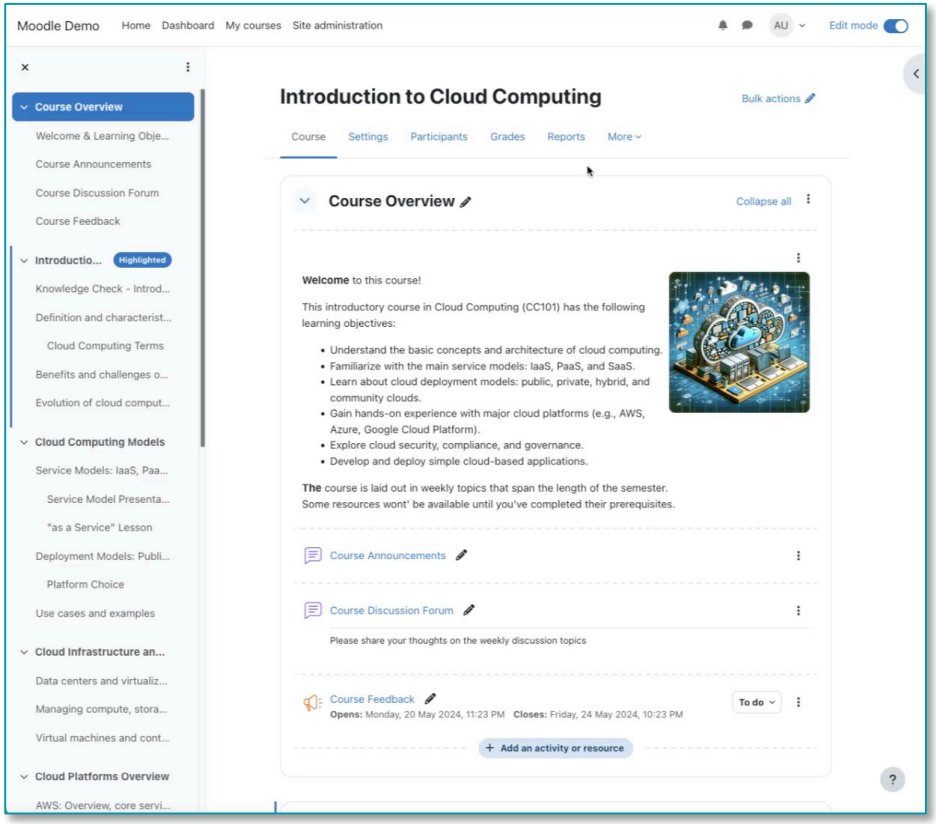

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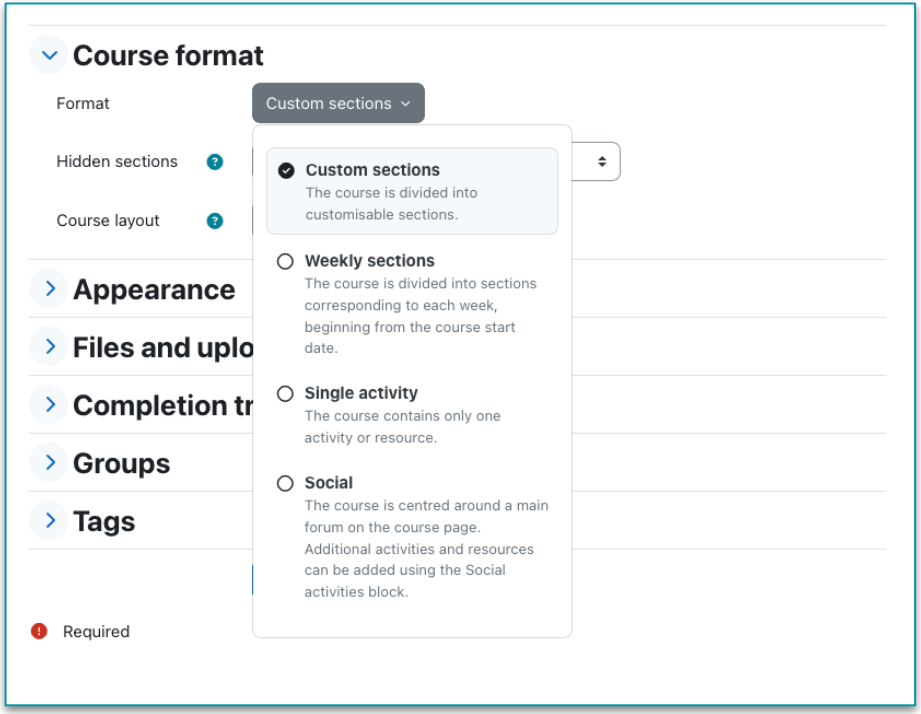
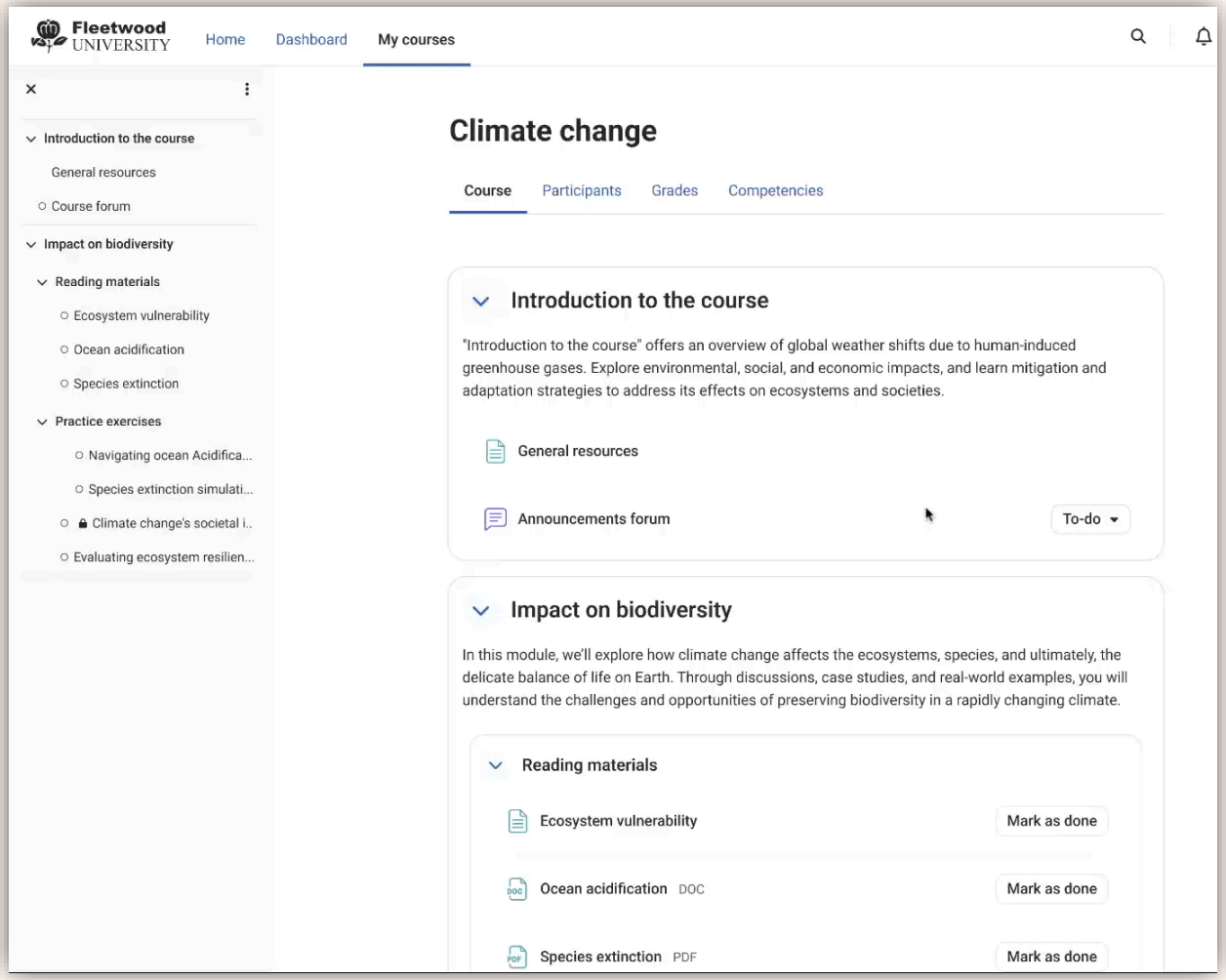
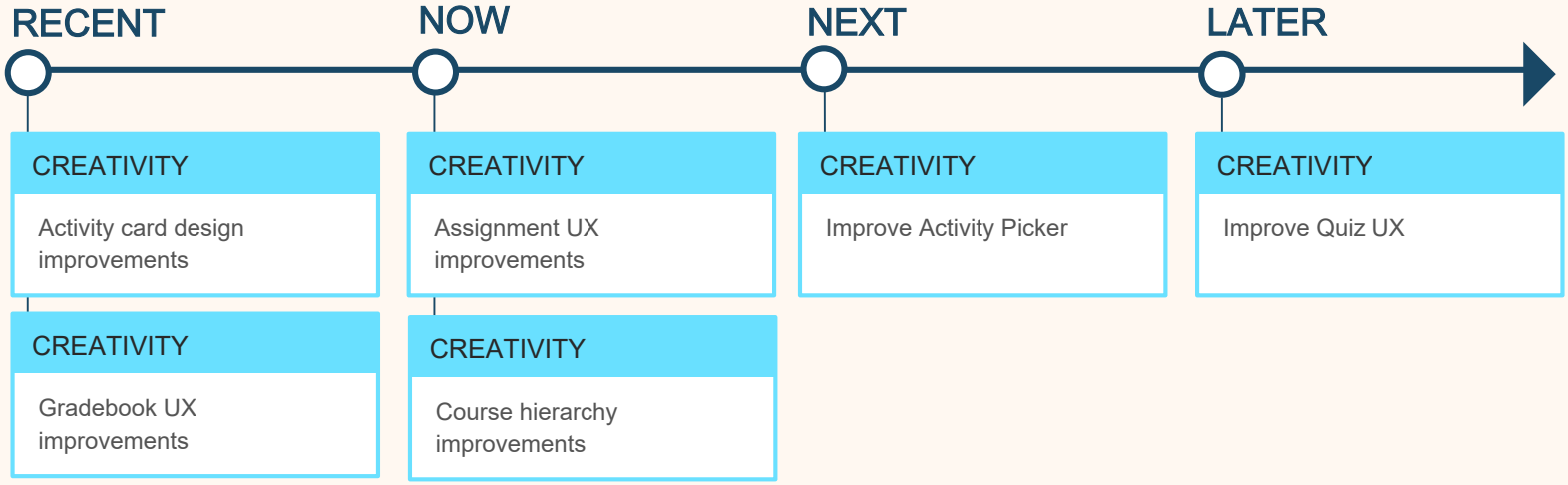



Fleetwood UNIVERSITY
Home
Dashboard
My courses
Introduction to the course
General resources
Course forum
Impact on biodiversity
Reading materials
Ecosystem vulnerability
Ocean acidification
Species extinction
Practice exercises
Navigating ocean Acidifica...
Species extinction simulati...
Climate change's societal i...
Evaluating ecosystem resilien...
Climate change
Course
Participants
Grades
Competencies
Introduction to the course
"Introduction to the course" offers an overview of global weather shifts due to human-induced greenhouse gases. Explore environmental, social, and economic impacts, and learn mitigation and adaptation strategies to address its effects on ecosystems and societies.
General resources
Announcements forum
To-do
Impact on biodiversity
In this module, we'll explore how climate change affects the ecosystems, species, and ultimately, the delicate balance of life on Earth. Through discussions, case studies, and real-world examples, you will understand the challenges and opportunities of preserving biodiversity in a rapidly changing climate.
Reading materials
Ecosystem vulnerability
Mark as done
Ocean acidification DOC
Mark as done
Species extinction PDF
Mark as done

Items on the roadmap designed to improve the course experience



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Optimise Current Interfaces

Diversify Content Creation

Launch New Course Experience

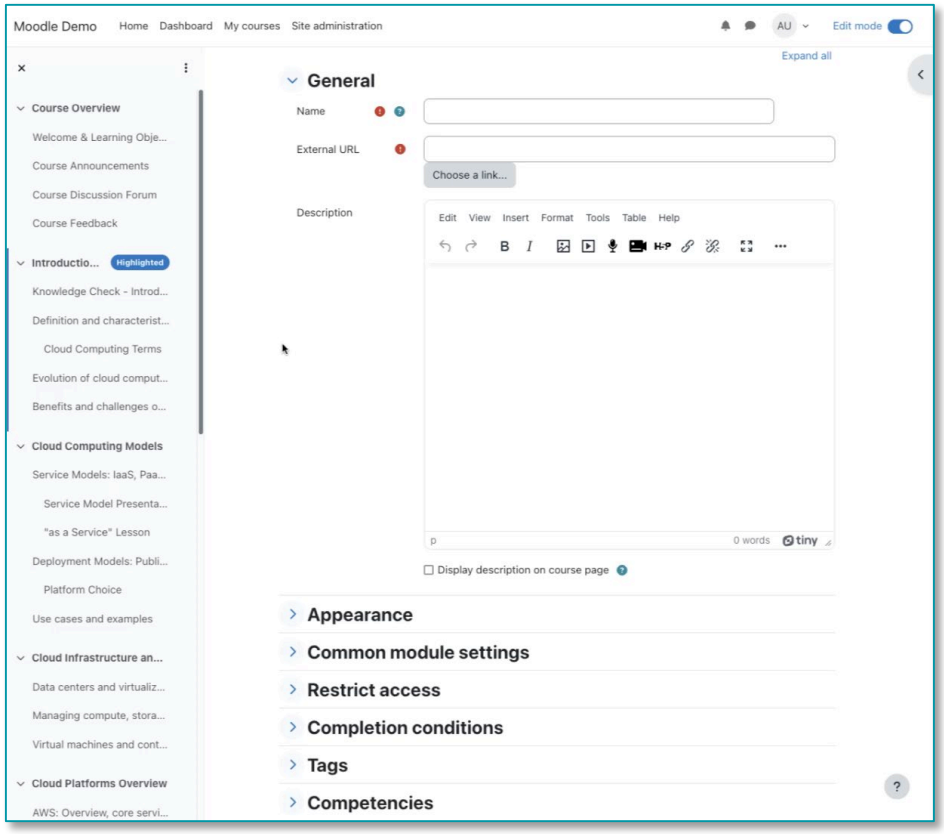


Image Adding

- Improved UI
- Simplified Workflow
- User Alignment

Meet Rita

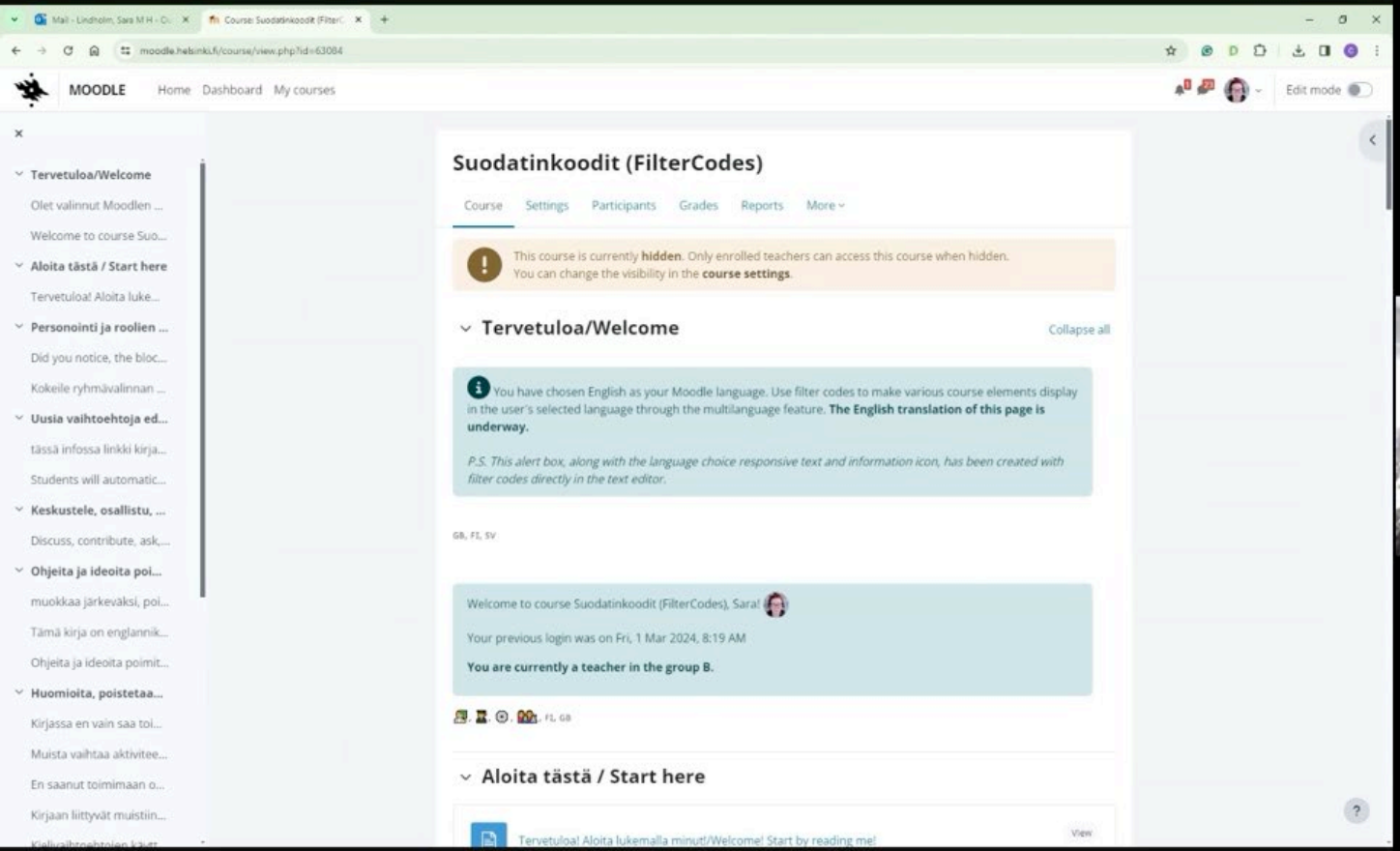
Rita the Re-creator: User goal

Rita teaches one section of an Environmental Sciences course, and she is taking over another teacher's section as well. She likes a lot of what's in the other teacher's Moodle course, but she wants to put her personal touch on it.

She's already developed some great **activities** for her own section and would like to reuse them. She also wants to bring over a **block** that she uses in all of her courses that reminds her students to take study breaks.

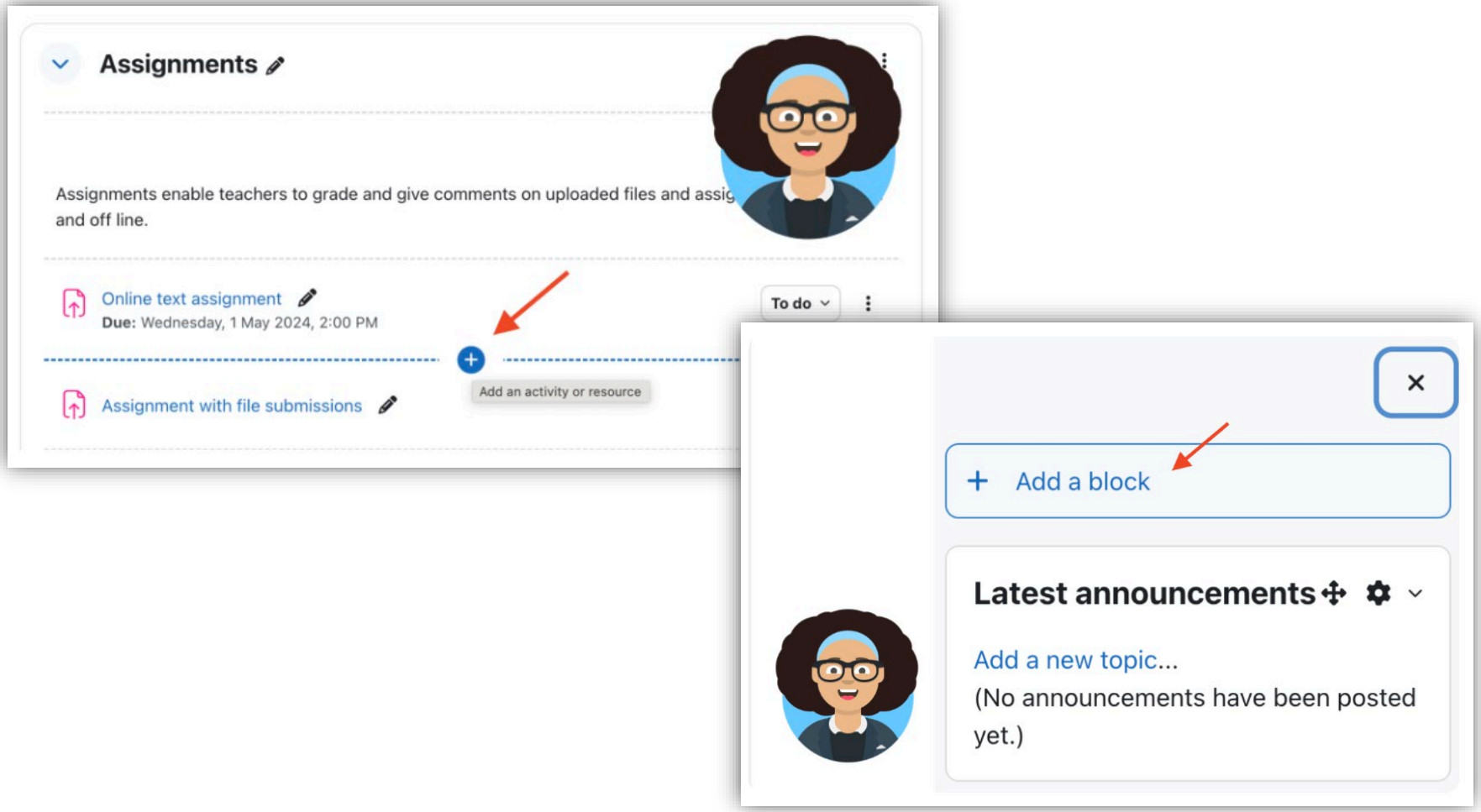
Let's look at how she would do that today...

Shane Sletten

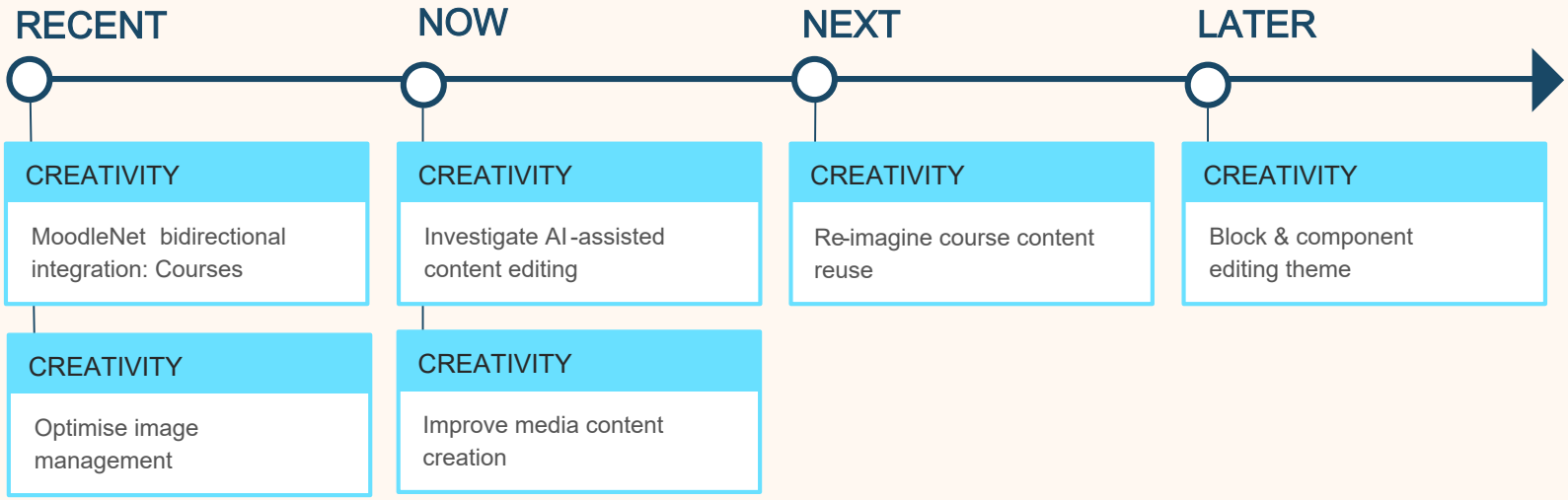

Mail - Lindholm, Sara M H - O...
Course: Suodatinkoodit (FilterC...
moodle.helsinki.fi/course/view.php?id=63084
MOODLE
Home
Dashboard
My courses
Edit mode
Tervetuloa/Welcome
Olet valinnut Moodlen ...
Welcome to course Suo...
Aloita tästä / Start here
Tervetuloa! Aloita luke...
Personointi ja roolien ...
Did you notice, the bloc...
Kokeile ryhmävalinnan ...
Uusia vaihtoehtoja ed...
tässä infossa linkki kirja...
Students will automatic...
Keskustele, osallistu, ...
Discuss, contribute, ask,...
Ohjeita ja ideoita poi...
muokkaa järkeväksi, poi...
Tämä kirja on englanniк...
Ohjeita ja ideoita poimit...
Huomioita, poistetaa...
Kirjassa en vain saa toi...
Muista vaihtaa aktivitee...
En saanut toimimaan o...
Kirjaan liittyvät muistiin...
Suodatinkoodit (FilterCodes)
Course
Settings
Participants
Grades
Reports
More
This course is currently hidden. Only enrolled teachers can access this course when hidden.
You can change the visibility in the course settings.
Tervetuloa/Welcome
Collapse all
You have chosen English as your Moodle language. Use filter codes to make various course elements display in the user's selected language through the multilanguage feature. The English translation of this page is underway.
P.S. This alert box, along with the language choice responsive text and information icon, has been created with filter codes directly in the text editor.
GB, FI, SV
Welcome to course Suodatinkoodit (FilterCodes), Sara!
Your previous login was on Fri, 1 Mar 2024, 8:19 AM
You are currently a teacher in the group B.
FI, GB
Aloita tästä / Start here
Tervetuloa! Aloita lukemalla minut!/Welcome! Start by reading me!
View

Sara Lindholm

Sound familiar?


Assignments
Assignments enable teachers to grade and give comments on uploaded files and assig
and off line.
Online text assignment
Due: Wednesday, 1 May 2024, 2:00 PM
To do
Add an activity or resource
Assignment with file submissions
Add a block
Latest announcements
Add a new topic...
(No announcements have been posted yet.)

Items on the roadmap designed to help diversify content creation



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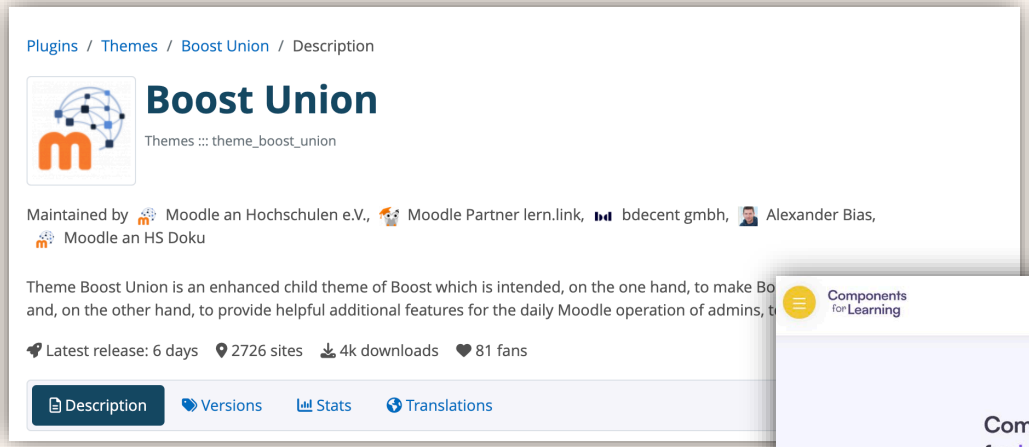
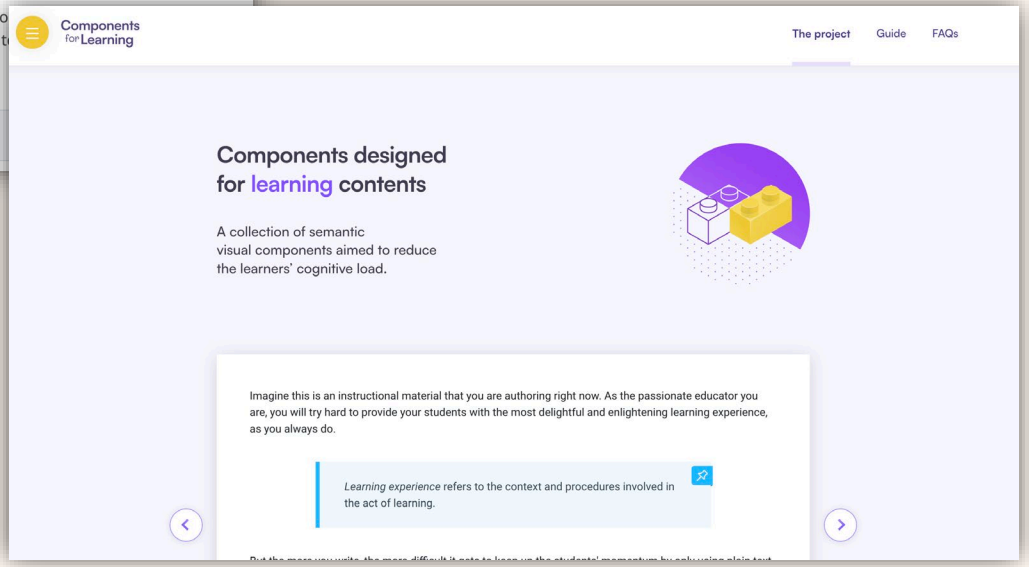
Block & component editing theme you say?





Development Themes

1. Unlocking Creativity
2. Facilitating Collaboration
3. Optimising Outcomes

Facilitating Collaboration

We will focus on enabling supportive and connected learning environments by continuously improving Moodle's ability to integrate and collaborate effectively with other solutions and leverage common standards.

Leverage Standards

Support Plugin Development

Balance Open Source

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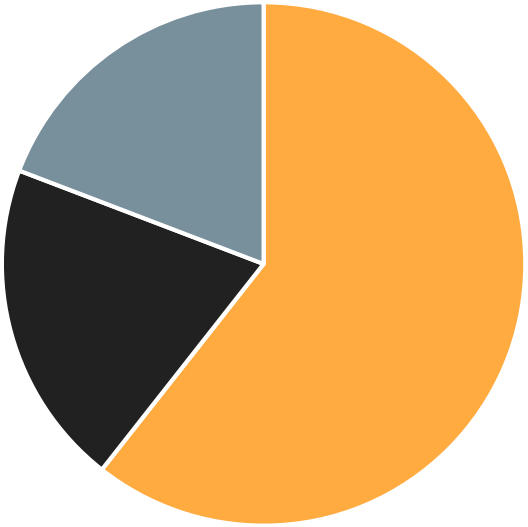
Moodle is a platform that can be added to, built on & extended in amazing ways

From the brilliant mind of New Jersey artist Mike Doyle

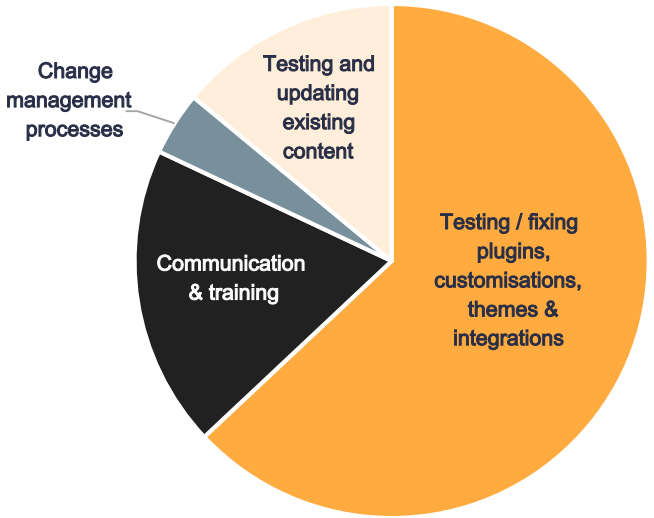
But it’s flexibility can also create some of its biggest challenges

Time to upgrade

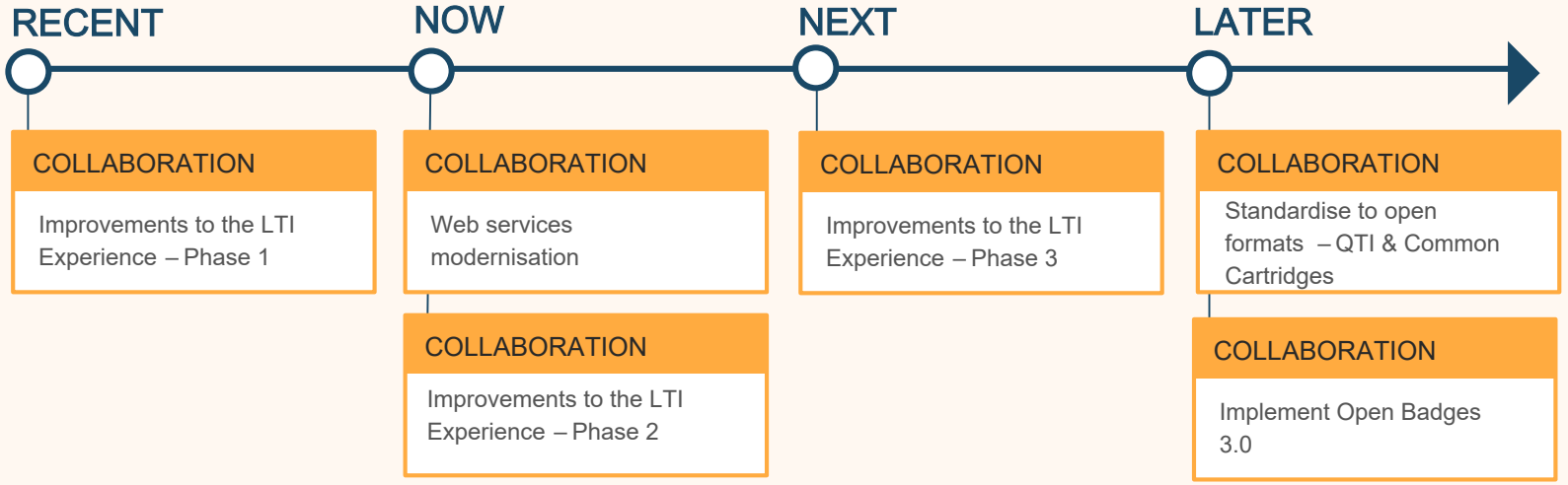


■ > 3 months ■ Between 2 & 3 months ■ Less than 3 months

Reasons for delay



Items on the roadmap designed to facilitate collaboration by leveraging common standards



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Support Plugin Development

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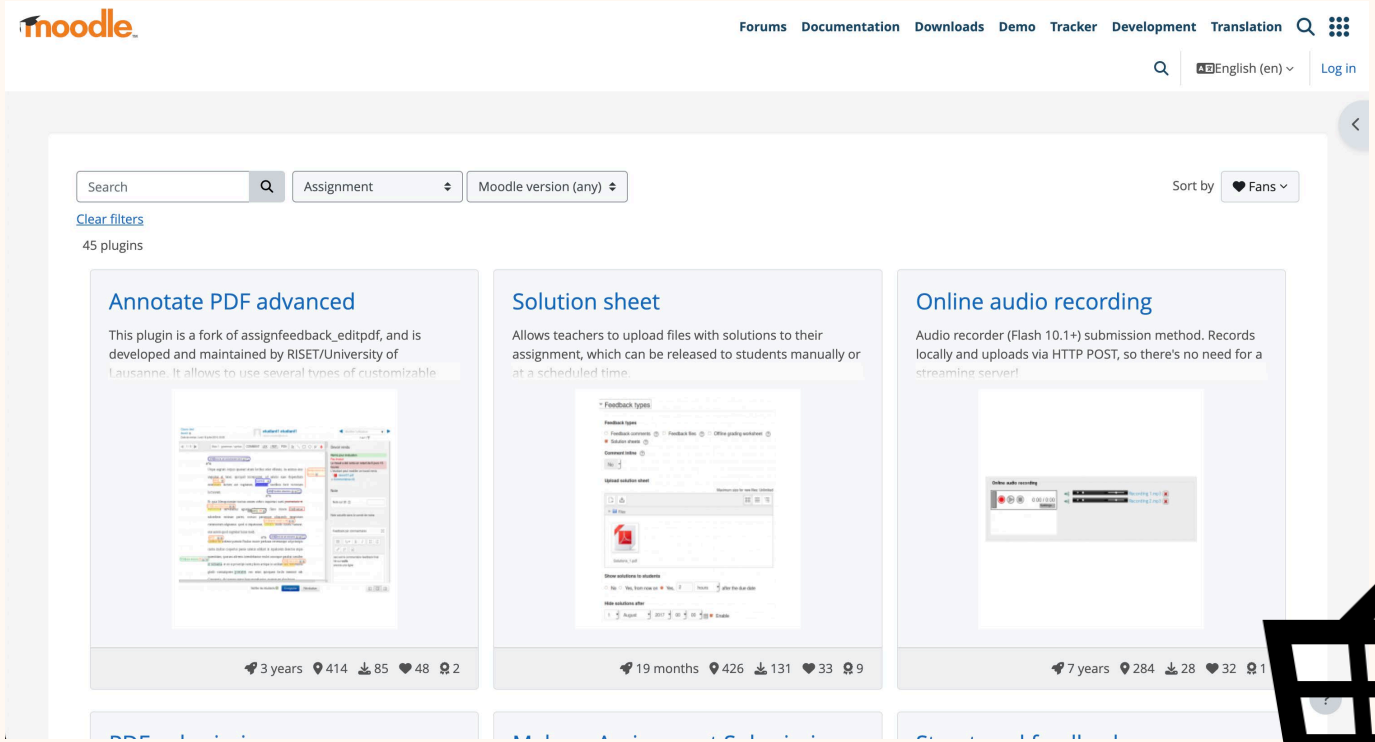
A new service: Moodle Marketplace



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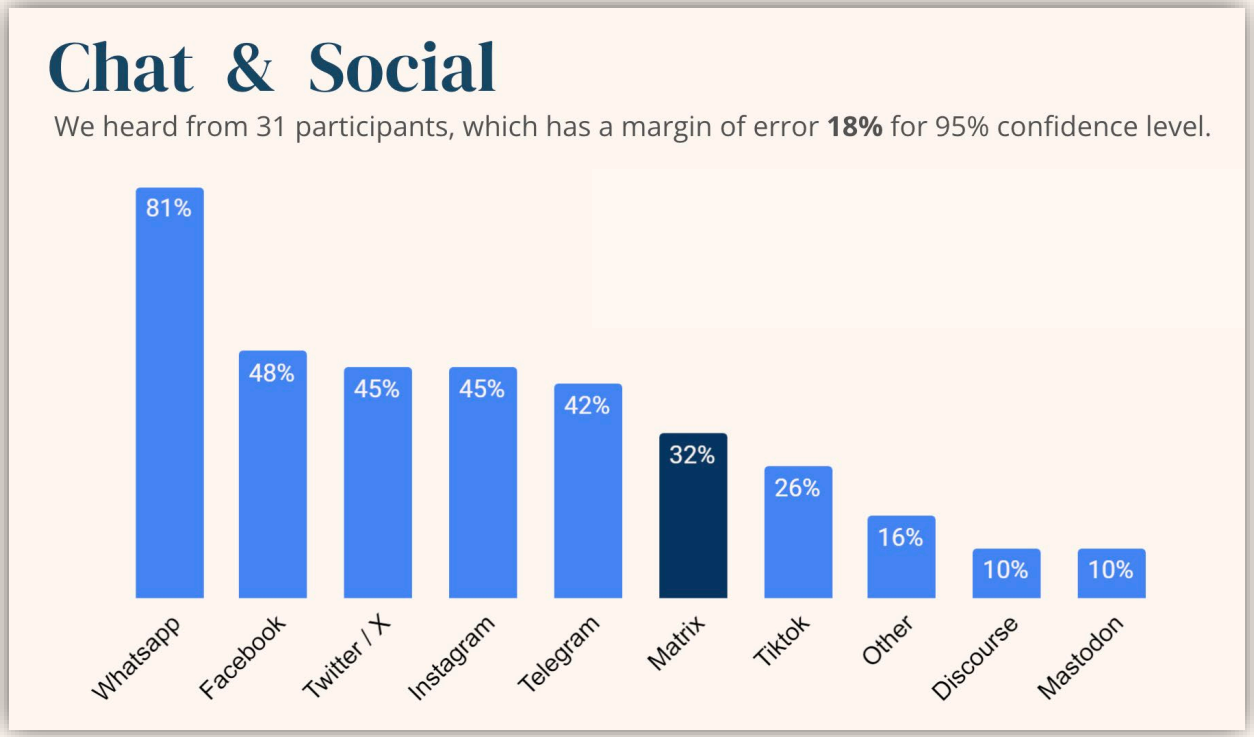
Balancing open source



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Optimising outcomes

Providing our users with tools that optimise their efforts is paramount. We aim to create a toolset that not only reduces the time and cost of managing our platform and creating courses but also helps learners overcome challenges more effectively.

Make the platform easier to manage

Create New Tools For Users

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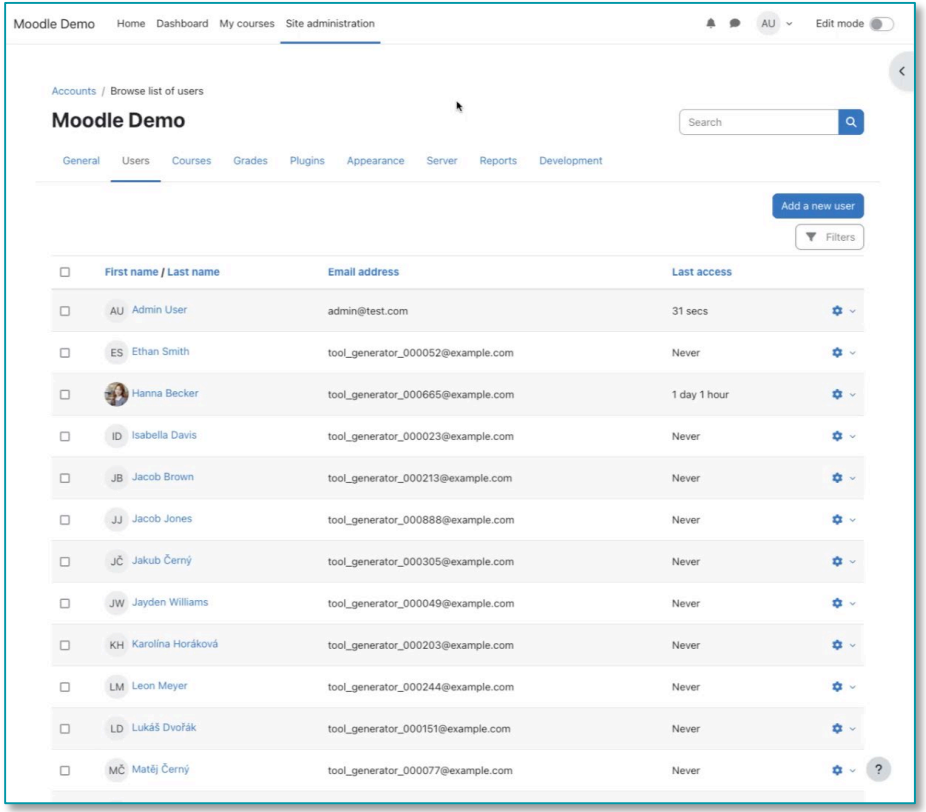
Create New Tools For Users

User Management

- **Powered by Report Builder**
- Deletion Confirmation Modal
- Bulk Actions

- **Alignment with Workplace**



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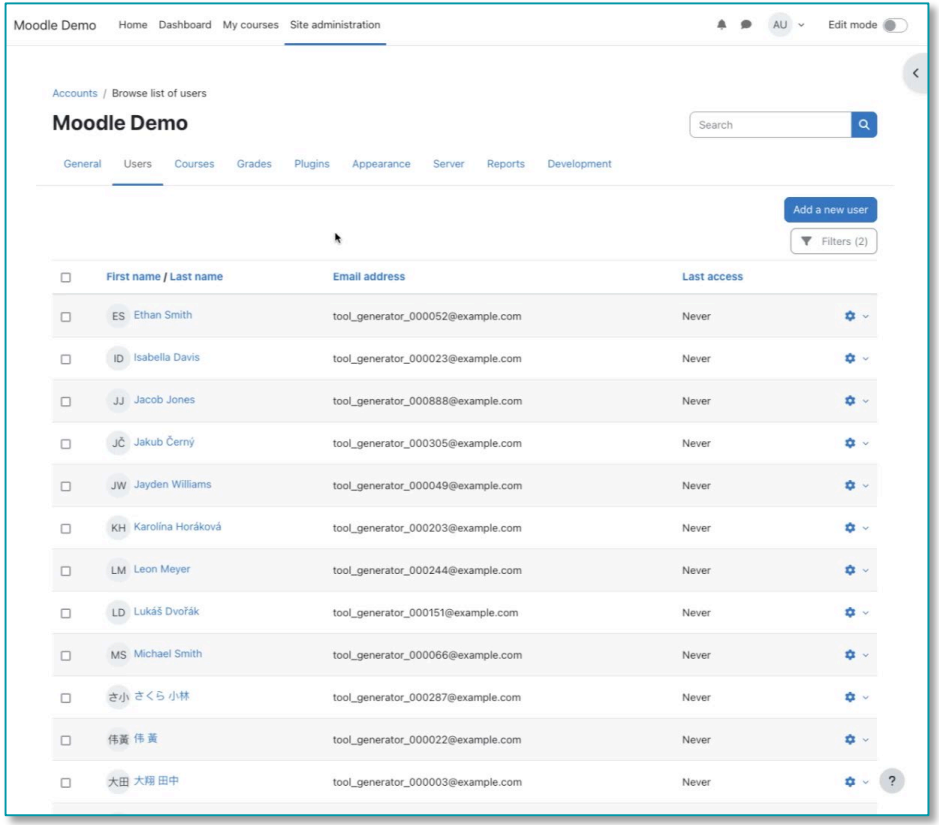
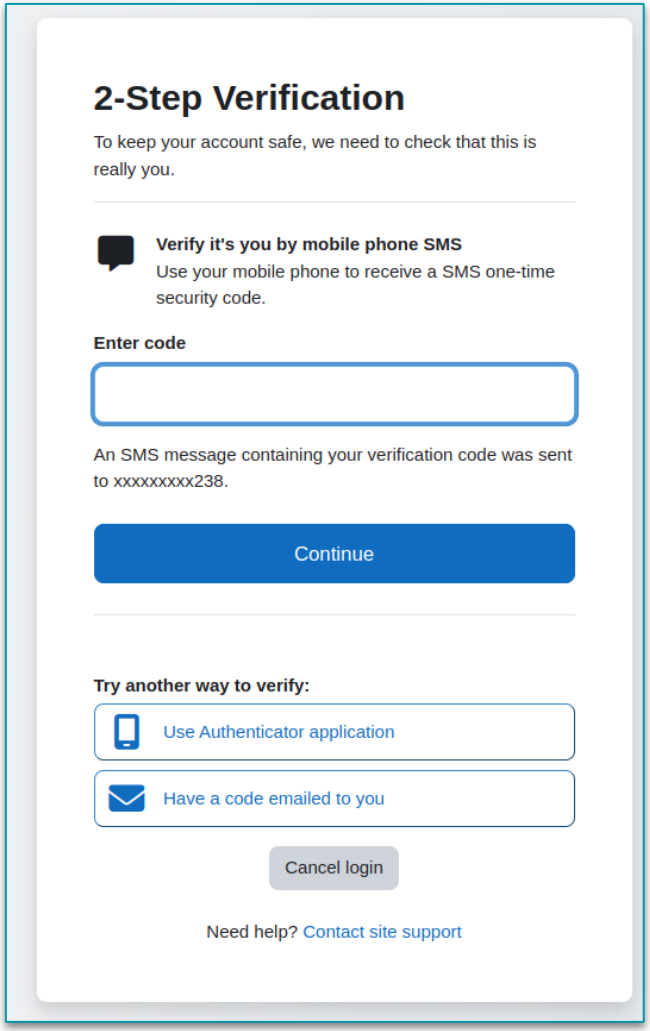
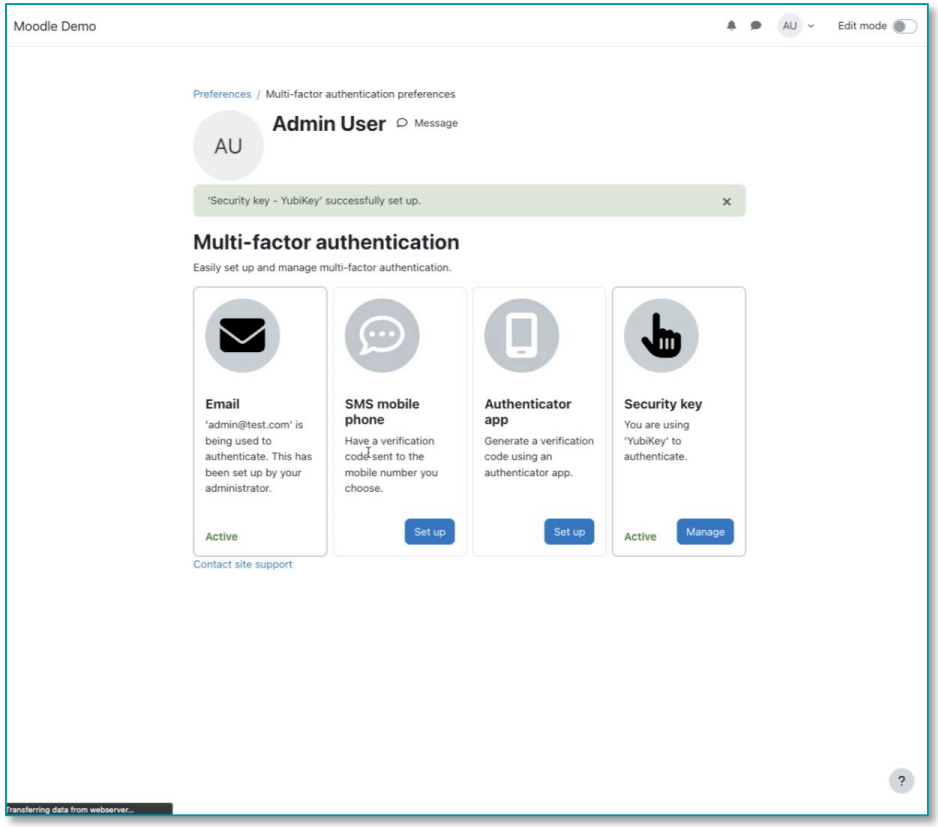




MFA

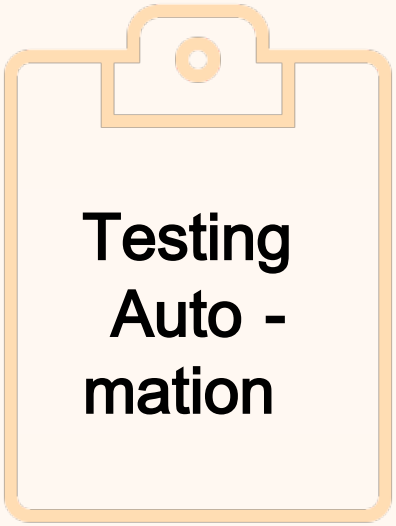
- SMS Support
- Improved Setup Experience



MFA

- SMS Support
- Improved Setup Experience

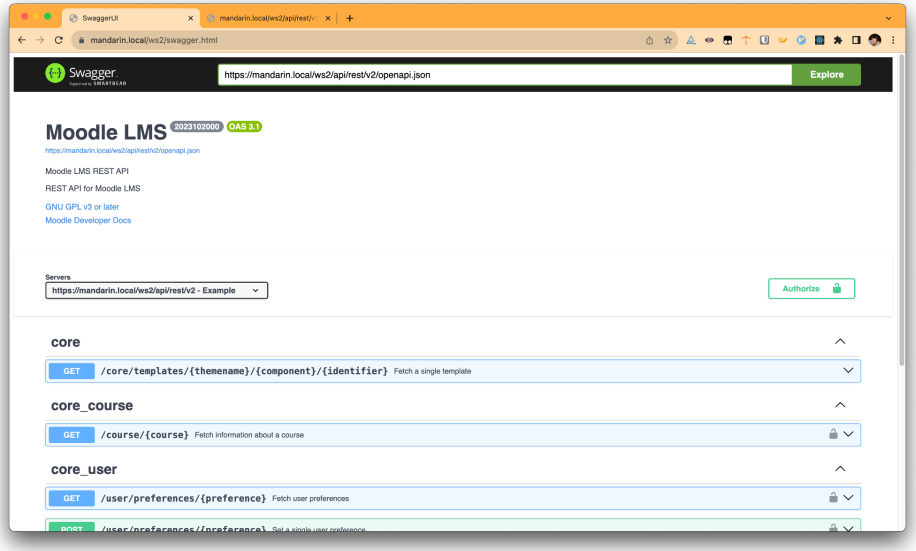
Modernising Moodle to make it easier to manage & cheaper to run



Site Administration
GENERAL
USERS
COURSES
GRADES
PLUGINS
APPEARANCE
SERVER
REPORTS
DEVELOPMENT
ANALYTICS
COMPLETION
BADGES
HSP
LICENCE
LOCATION
LANGUAGE
MESSAGING
SECURITY
ACCOUNTS
PERMISSIONS
PRIVACY POLICY
COURSES
DEFAULT
GROUPS
ACTIVITY
BACKUPS
REPORT SETTINGS
GRADES
ACTIVITY MODULES
ADMIN TOOLS
ANTIVIRUS
AUTHENTICATION
RESTRICTIONS
BLOCKS
CACHING
REPORTS
APPEARANCE
SERVER
TASKS
EMAIL
WEB SERVICES
REPORTS
REPORT BUILDER
MRA REPORTS
DEVELOPMENT
EXPERIMENTAL
SECURITY SHOULD BE IN SERVER SETTINGS
ANTIVIRUS PLUGINS ARE RELATED TO SERVER
THE REPORT SECTION SHOULD GO IN REPORTS!
DEV 4 LIFE
SITE HOME SHOULD BE UNDER APPEARANCE
I ♥ m!
ADMIN TOOLS CAN BE UNDER SERVER
SEARCH & REPOSITORIES ARE "BACKEND"

Webservices

- Version 2 Webservices
- Swagger UI
- Routing Improvements



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Make the platform easier to manage

Create New Tools For Users

AI with purpose: for educators

Educators

Ways to:

- Save time
- Save rework
- Target their efforts
- Engage their learners

AI with purpose: for administrators

Administrators

Easier:

- Operations
- Maintenance
- Administration

AI with purpose: for learners

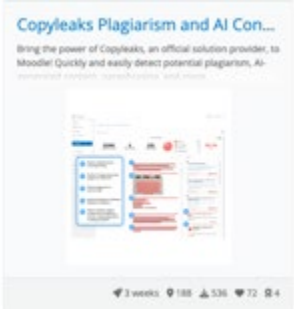
Learners

Tools to:

- Manage their work
- Optimise their time
- Get faster feedback
- Access support

AI Integration

- You can leverage the power of AI with Moodle right now!
- Some of the plugins available today:



Moodle's AI Principles

moodle.com/moodle-and-our-ai-principles/

- Human -centered AI
- Transparency
- Configurability
- Data Protection
- Equality
- Ethical Practice
- Education

Investing in research

We have establishe d a new Moodle Research team, headed up by our founder, Martin Dougiamas

The creation of our research function is a testament to Moodle’s commitment to research and innovation

LMS AI Subsystem

A way to provide a **consistent and user -friendly** experience for users to **interact with AI** in Moodle LMS. While allowing them to continue their teaching and learning activities.

Provide a **straightforward integration** with various **AI providers** on the backend.

While adhering to our AI Principles and Legislation

LMS AI Subsystem

Grok

Shield AI

Jasper

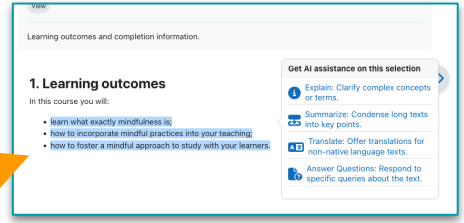
ambit

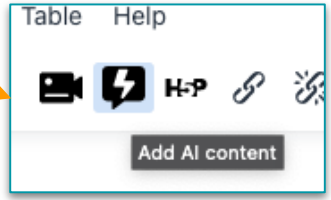
Stable Diffusion

vizologi

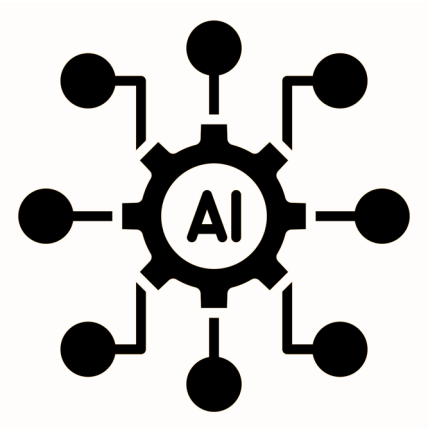
Gemini

Hugging Face





LMS AI Subsystem

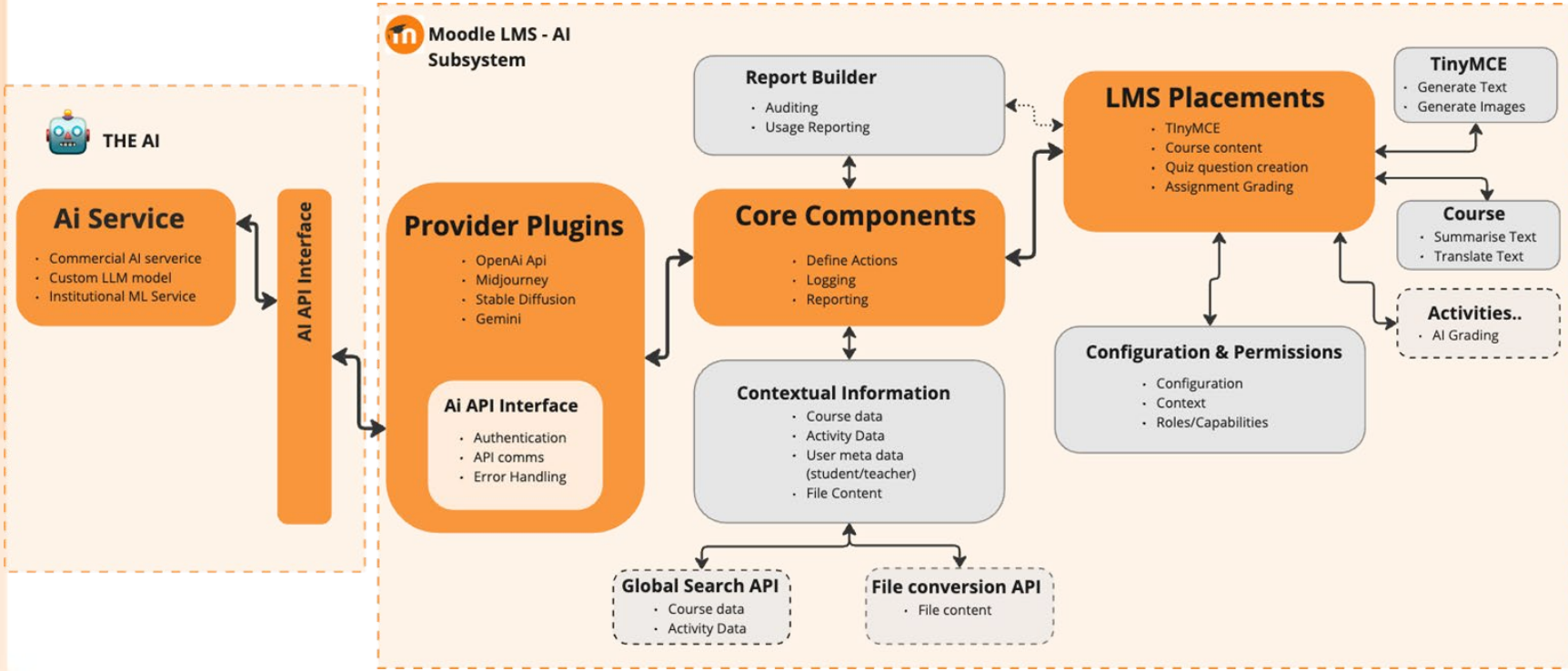


- Privacy
- Reporting
- Legislation

- Access Control
- Inputs for AI Model (Guardrails)

- Model Training
- Extendability
- Scalability

LMS AI Subsystem

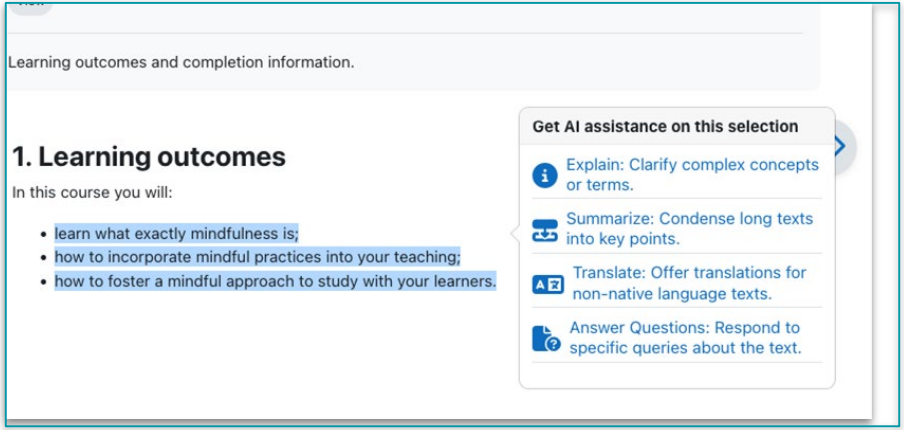


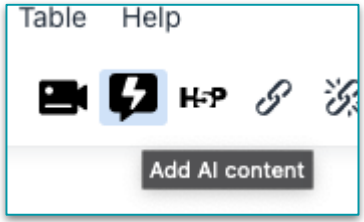
LMS AI Subsystem

- **Placements**
  - How users interact with AI (UX/UI & Workflows)
- **Actions**
  - The things that can be done (Generate an Image)
- **Providers**
  - Provide the Action functionality (OpenAI API)

LMS AI Subsystem

- **Placements**
- Actions
- Providers





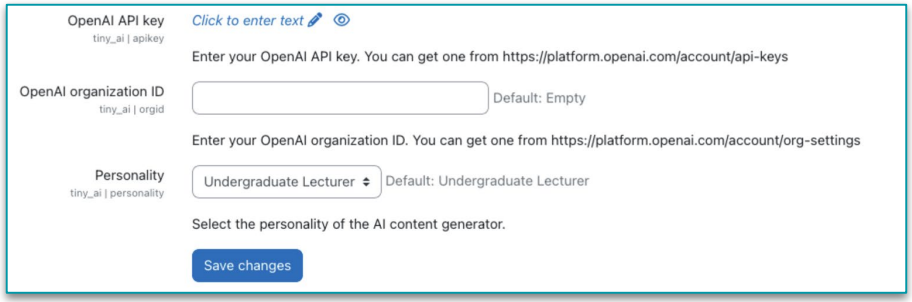
LMS AI Subsystem

- Placements
- **Actions**
- Providers

- **Summarise** : Summarise the provided text. Condense long text into key points. Simplify anything too complex for learners to understand.
- **Explain** : Explain the provided text. Clarify complex concepts or terms. Your aim is to make it easy for learners to understand.
- **Ask Question** : Generate questions from the provided text.
- **Answer Question** : Answer questions about the provided text.
- **Translate** : Translate the provided text into another language.
- **Images** : Generate images to illustrate the provided text.
- **Chatbot** : Provides a 2 way synchronous interaction in a conversational Q&A manner

LMS AI Subsystem

- Placements
- Actions
- **Providers**



Provider Plugins

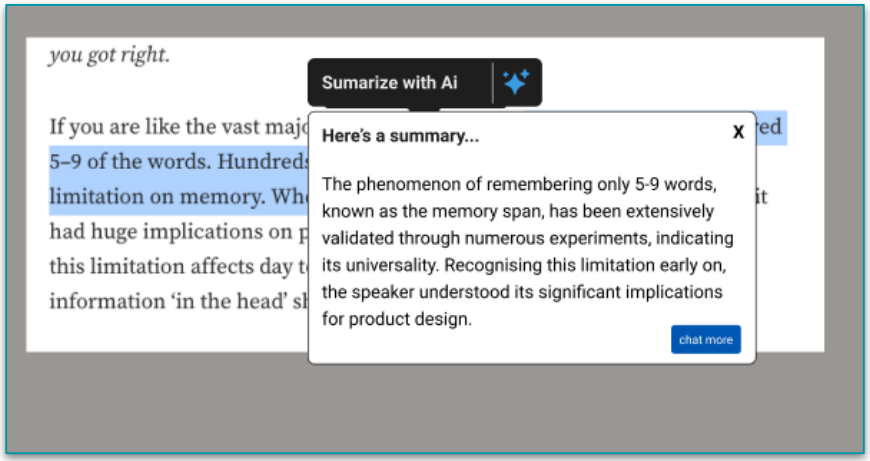
- OpenAI API
- Midjourney
- Stable Diffusion
- Gemini

AI API Interface

- Authentication
- API comms
- Error Handling

What is First?

Summarise or Explain Content



When?

- Initial Functionality 4.5
- Progressive Rollout
- Prototype Site (Coming Soon)

Development Themes

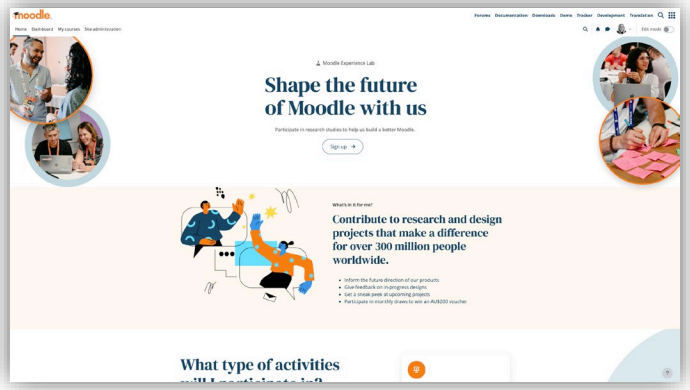
1. Unlocking Creativity
2. Facilitating Collaboration
3. Optimising Outcomes

Final thoughts

You are invited!

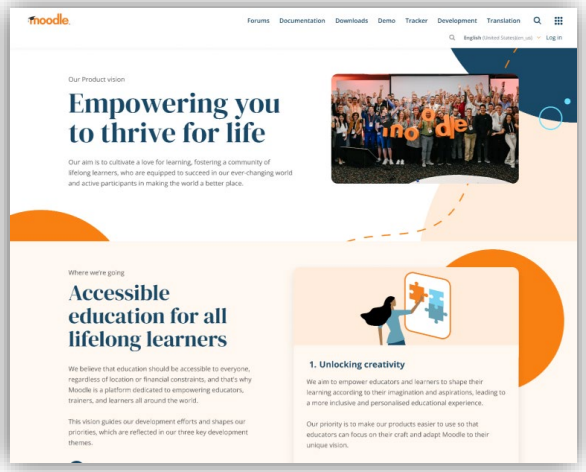
Help us shape the future of Moodle

Join the Moodle Experience Lab



moodle.org /experiencelab

Add your voice to the Product Advisory Group



Come to MoodleMoot Global

22-24 October

Mérida, México

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Empowering educators to improve our world

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