

Experiment No. 1

Title:

Sketch out and analyze architecture of Moodle cloud portal and moodle cloud site and create different entities dynamically.

Objective:

To learn Software as service using Free trial of Moodle cloud

Tools used:

Internet , Moodle cloud service

Prerequisite:

Understanding of Software as service in Service model of cloud computing

Theory:

MoodleCloud is a learning environment that is hosted in the cloud. For everyone who requires an online learning environment to conduct a class or promote learning in any setting, including instructors, trainers, and students, MoodleCloud is a good solution.

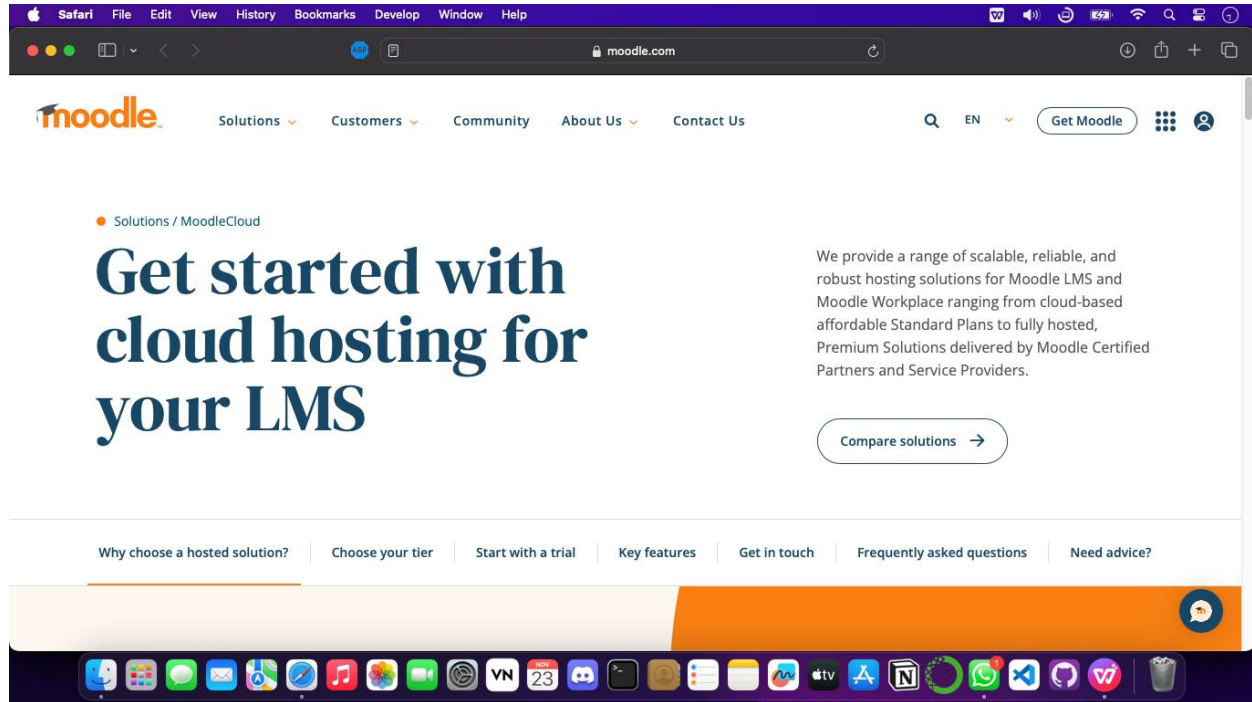
Since it is in the cloud, as its name suggests, there is no need to download it. As a result, MoodleCloud makes creating your own Moodle site very quick, with little guesswork. It is the hosting system for Moodle, created and managed by the Moodle developers. MoodleCloud is a ready-to-use LMS solution that includes the most popular Moodle functionalities.

After a short and simple setup process, you can start your road toward e-learning distribution with this free or inexpensive hosting solution for a straightforward but fully working Moodle site.

Moodle Cloud is designed for organizations that want to understand what a Moodle site can offer because of its focus on simplicity and speed. It is a straightforward answer. Moodle Cloud should get you up and running if you have fewer users and merely want to quickly and easily provide basic e-learning content to your learners. However, it offers less flexibility than having a self-hosted platform.

Step 1. - Creating Account For moodle cloud service

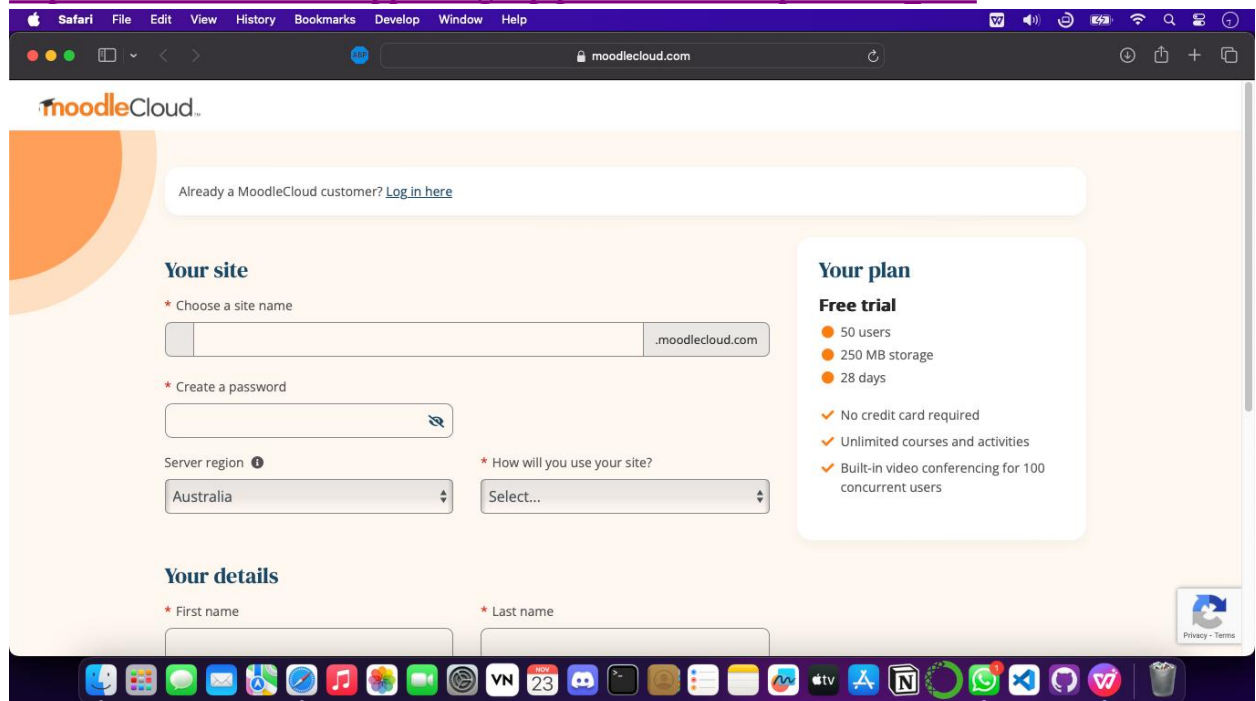
<https://moodle.com/solutions/moodlecloud/>



The screenshot shows the Moodle Cloud website in a Safari browser. The page has a purple header with the Moodle logo and navigation links: Solutions, Customers, Community, About Us, and Contact Us. A search bar and a 'Get Moodle' button are also present. The main content area features the heading 'Get started with cloud hosting for your LMS' and a description of the services. A 'Compare solutions' button is located below the text. At the bottom, there is a navigation bar with links: Why choose a hosted solution?, Choose your tier, Start with a trial, Key features, Get in touch, Frequently asked questions, and Need advice?.

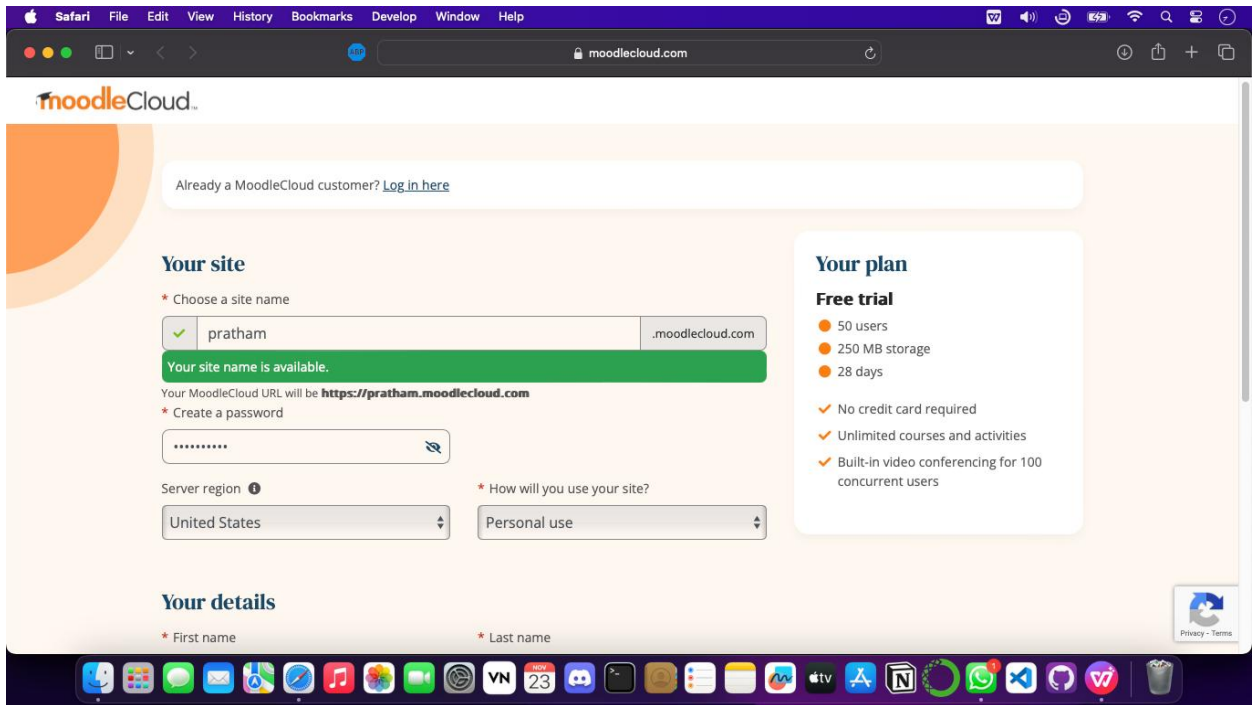
Step 1. – Enter your details For SignUp

https://moodlecloud.com/app/en/signup/personaldetails?plan=lms_50.0



The screenshot shows the Moodle Cloud sign-up form. The form is titled 'Your site' and includes fields for 'Choose a site name', 'Create a password', 'Server region' (set to Australia), and 'How will you use your site?'. There is a link for 'Already a MoodleCloud customer? Log in here'. A sidebar on the right titled 'Your plan' lists the features of the 'Free trial' plan: 50 users, 250 MB storage, 28 days, no credit card required, unlimited courses and activities, and built-in video conferencing for 100 concurrent users. The bottom section is titled 'Your details' and includes fields for 'First name' and 'Last name'. A 'Privacy - Terms' link is located in the bottom right corner.

Step 2 Enter your domain name



The screenshot shows the MoodleCloud sign-up interface in a Safari browser. The page has a purple header with the MoodleCloud logo and navigation links. The main content area is white with orange accents. It includes a link for existing customers, a 'Your site' section with a site name field (pratham), a password field, a server region dropdown (United States), and a usage type dropdown (Personal use). A 'Your plan' section on the right lists features of the free trial. The 'Your details' section at the bottom is partially visible, showing first and last name fields.

Already a MoodleCloud customer? [Log in here](#)

Your site


* Choose a site name

✓ pratham .moodlecloud.com

Your site name is available.

Your MoodleCloud URL will be <https://pratham.moodlecloud.com>

* Create a password

Server region  United States

* How will you use your site? Personal use

Your plan

Free trial

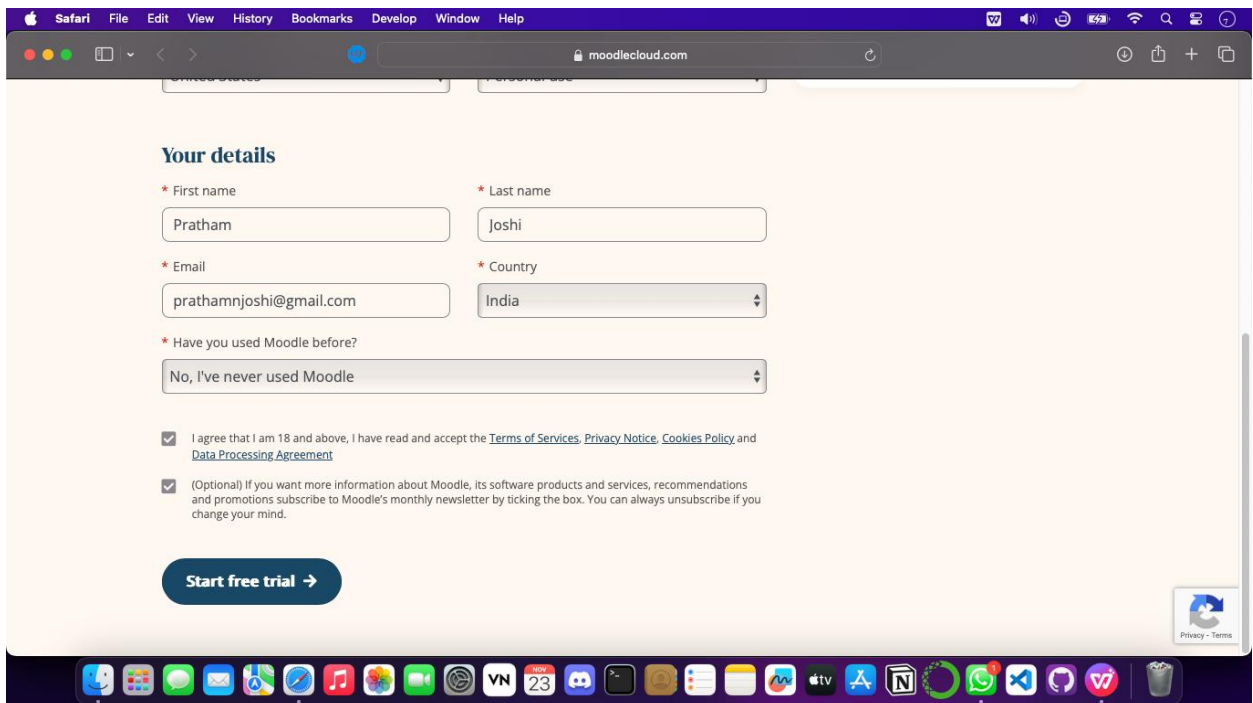
- 50 users
- 250 MB storage
- 28 days

- ✓ No credit card required
- ✓ Unlimited courses and activities
- ✓ Built-in video conferencing for 100 concurrent users

Your details

* First name * Last name

Step 3 - Enter all details including password, region and accept terms and condition's



The screenshot shows the MoodleCloud sign-up interface in a Safari browser, focusing on the 'Your details' section. It includes fields for first name (Pratham), last name (Joshi), email (prathamnjoshi@gmail.com), and country (India). There is a dropdown for 'Have you used Moodle before?' with the selected option 'No, I've never used Moodle'. Below these are checkboxes for accepting terms and conditions, and an optional checkbox for subscribing to the newsletter. A 'Start free trial' button is at the bottom.

Your details

* First name * Last name

Pratham Joshi

* Email * Country

prathamnjoshi@gmail.com India

* Have you used Moodle before?

No, I've never used Moodle

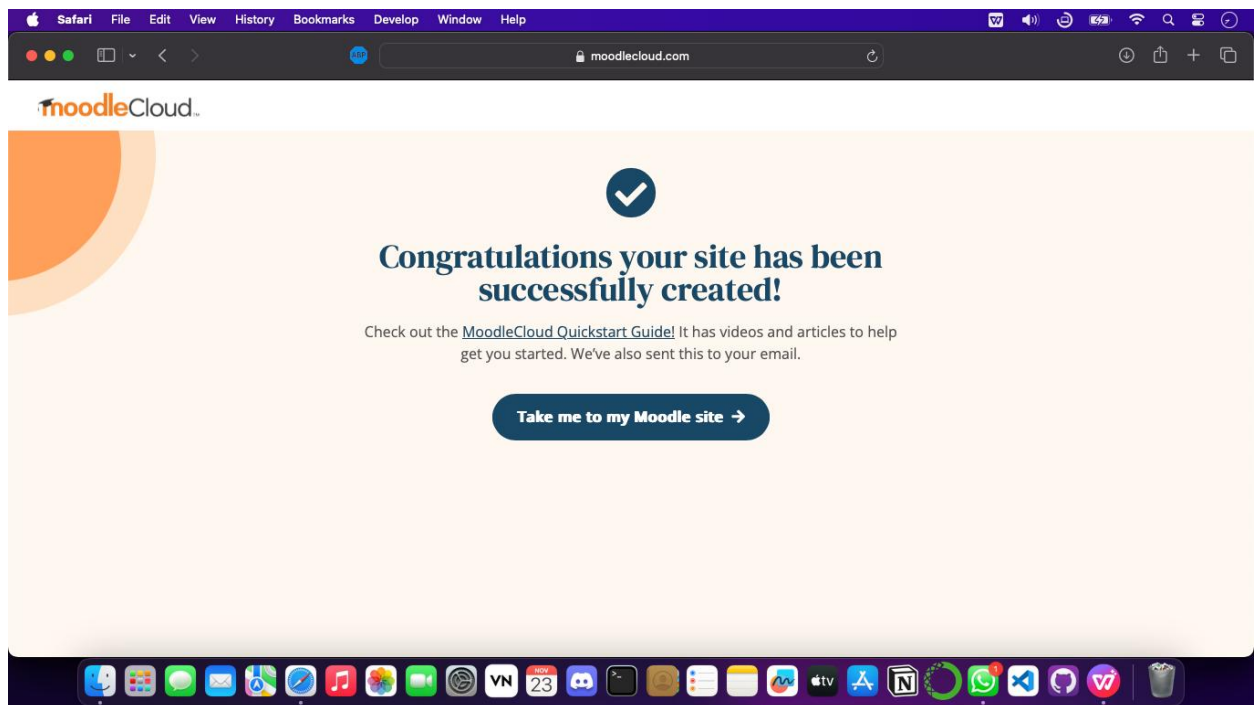
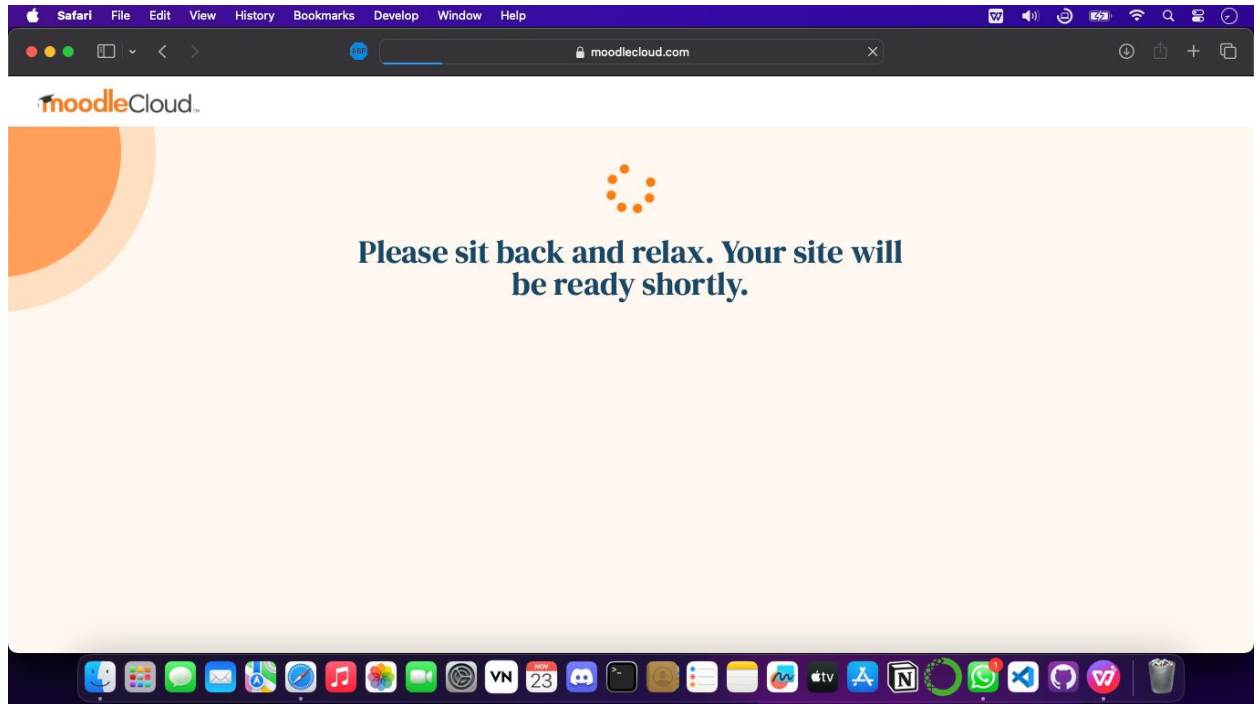
☒ I agree that I am 18 and above, I have read and accept the [Terms of Services](#), [Privacy Notice](#), [Cookies Policy](#) and [Data Processing Agreement](#)

☒ (Optional) If you want more information about Moodle, its software products and services, recommendations and promotions subscribe to Moodle's monthly newsletter by ticking the box. You can always unsubscribe if you change your mind.

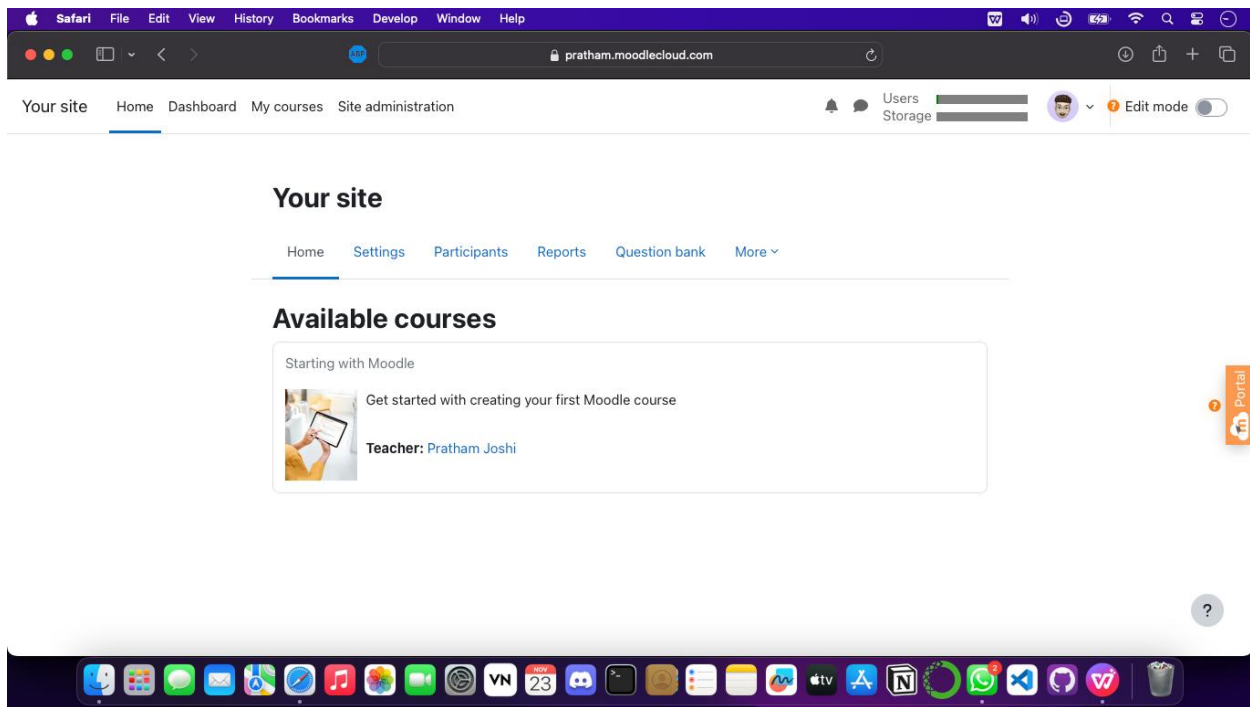
Start free trial →

Click on start Free trial

Step 4 - Success

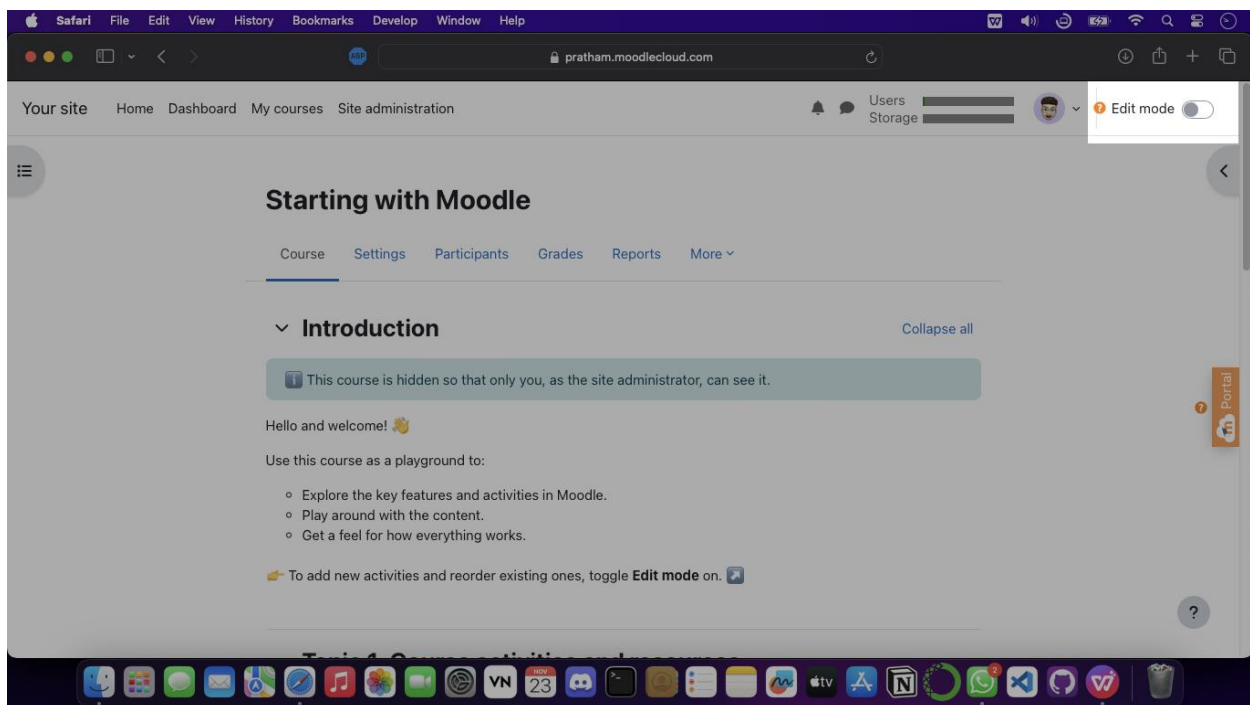


Step 5 - Get started with creating your first Moodle course



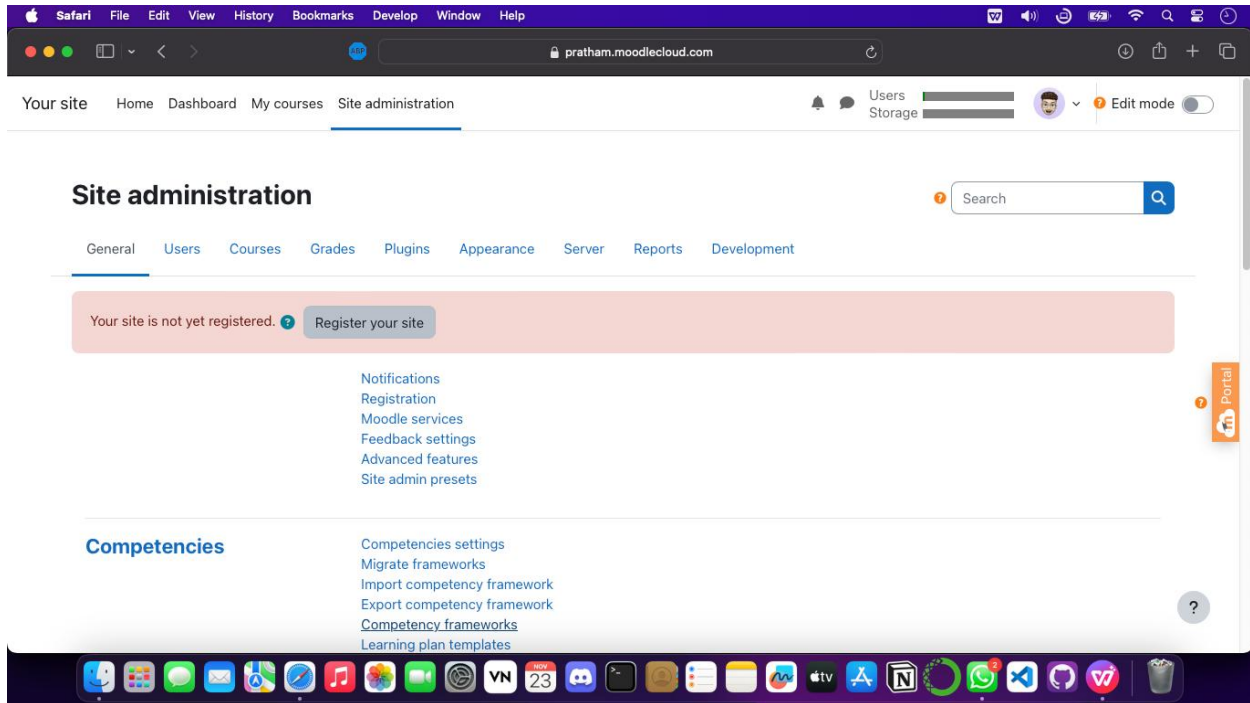
The screenshot shows the Moodle Cloud interface in a Safari browser. The top navigation bar includes 'Your site', 'Home', 'Dashboard', 'My courses', and 'Site administration'. On the right, there are links for 'Users' and 'Storage', a user profile dropdown, and an 'Edit mode' toggle switch. The main content area is titled 'Your site' and contains a sub-menu with 'Home', 'Settings', 'Participants', 'Reports', 'Question bank', and 'More'. Below this, the 'Available courses' section displays a card for 'Starting with Moodle' with the title 'Get started with creating your first Moodle course' and 'Teacher: Pratham Joshi'. A 'Portal' button is visible on the right side of the page. The bottom of the screen shows a dock with various application icons.

Step 6 - Uplode Course in MOODLE by Toggling the Edit option

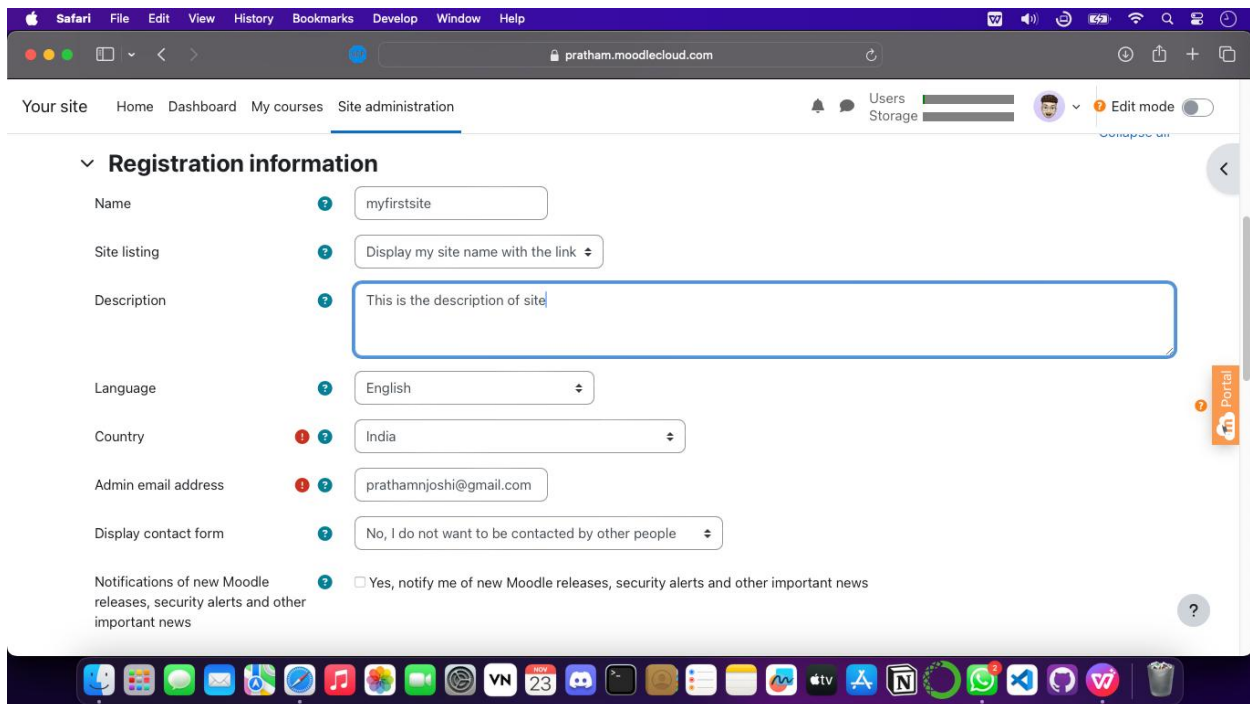


The screenshot shows the Moodle Cloud interface for a specific course. The top navigation bar is the same as in Step 5. The main content area is titled 'Starting with Moodle' and has a sub-menu with 'Course', 'Settings', 'Participants', 'Grades', 'Reports', and 'More'. The 'Introduction' section is expanded, showing a message: 'This course is hidden so that only you, as the site administrator, can see it.' Below this, there is a welcome message and a list of instructions for using the course as a playground. At the bottom of the instructions, there is a button to toggle 'Edit mode' on. A 'Portal' button is visible on the right side of the page. The bottom of the screen shows a dock with various application icons.

Step 7 - After Editing the site, we can proceed to make our site live from Site administration tab



The screenshot shows the Moodle Site Administration interface. The top navigation bar includes 'Your site', 'Home', 'Dashboard', 'My courses', and 'Site administration'. The 'Site administration' tab is active. Below the navigation bar, there is a search bar and a list of sub-tabs: 'General', 'Users', 'Courses', 'Grades', 'Plugins', 'Appearance', 'Server', 'Reports', and 'Development'. The 'General' sub-tab is selected. A message box states 'Your site is not yet registered.' with a 'Register your site' button. Below this, there are links for 'Notifications', 'Registration', 'Moodle services', 'Feedback settings', 'Advanced features', and 'Site admin presets'. A 'Competencies' section is also visible with links for 'Competencies settings', 'Migrate frameworks', 'Import competency framework', 'Export competency framework', 'Competency frameworks', and 'Learning plan templates'. The bottom of the screen shows a dock with various application icons.

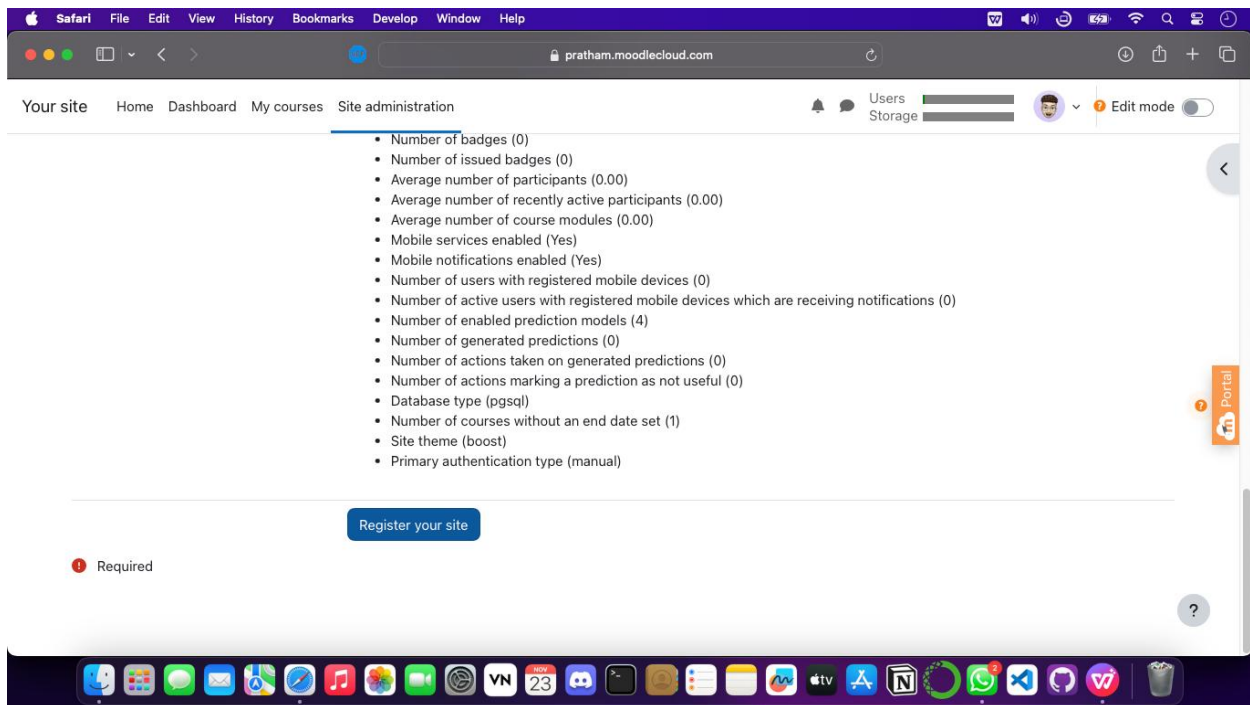


The screenshot shows the Moodle Registration Information page. The top navigation bar is the same as the previous screenshot. The 'Registration information' section is expanded, showing the following fields:

- Name:** myfirstsite
- Site listing:** Display my site name with the link
- Description:** This is the description of site
- Language:** English
- Country:** India
- Admin email address:** prathamnjoshi@gmail.com
- Display contact form:** No, I do not want to be contacted by other people
- Notifications of new Moodle releases, security alerts and other important news:** ☐ Yes, notify me of new Moodle releases, security alerts and other important news

The bottom of the screen shows a dock with various application icons.

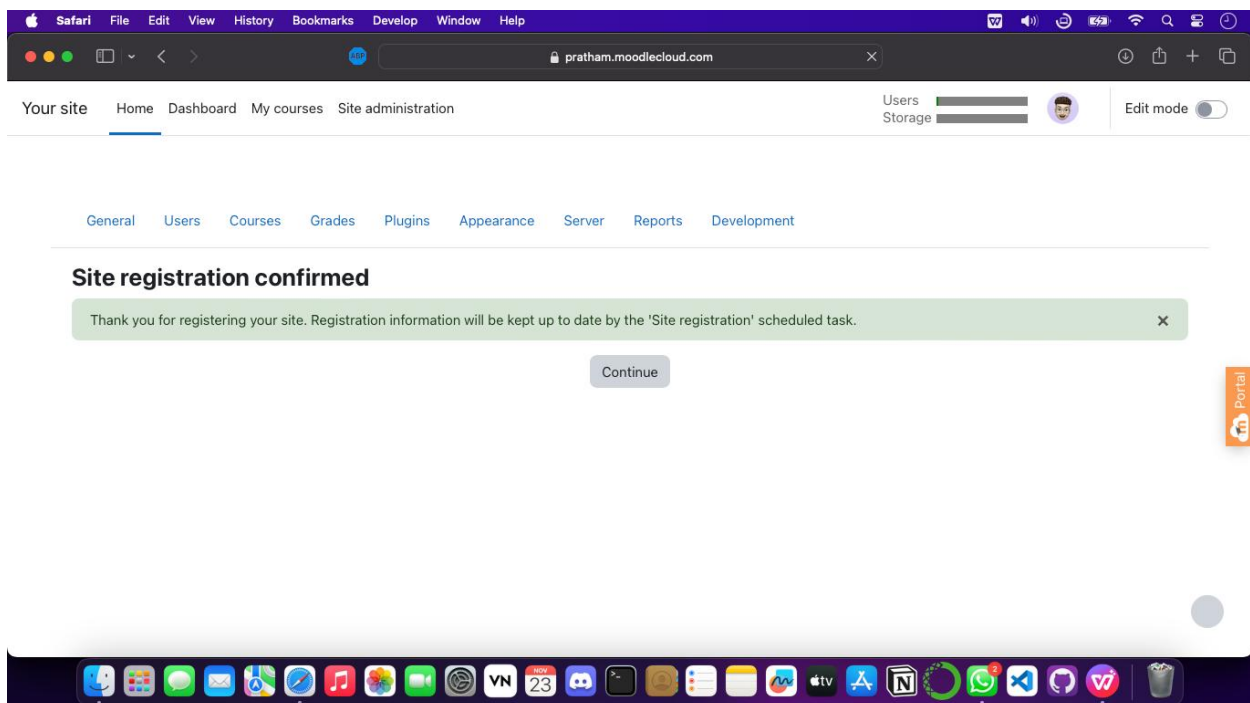
Step 8 - Register your site after providing necessary info.



The screenshot shows the Moodle Cloud 'Site administration' page. The left sidebar contains the following statistics:

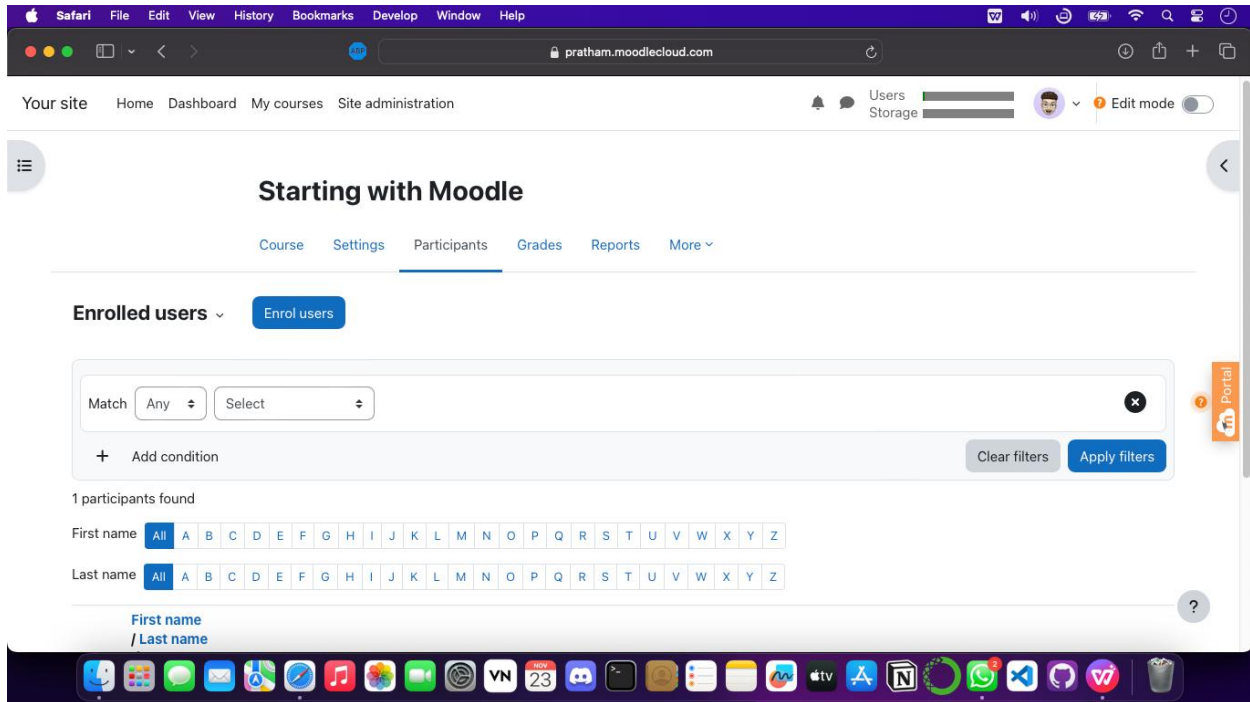
- Number of badges (0)
- Number of issued badges (0)
- Average number of participants (0.00)
- Average number of recently active participants (0.00)
- Average number of course modules (0.00)
- Mobile services enabled (Yes)
- Mobile notifications enabled (Yes)
- Number of users with registered mobile devices (0)
- Number of active users with registered mobile devices which are receiving notifications (0)
- Number of enabled prediction models (4)
- Number of generated predictions (0)
- Number of actions taken on generated predictions (0)
- Number of actions marking a prediction as not useful (0)
- Database type (pgsql)
- Number of courses without an end date set (1)
- Site theme (boost)
- Primary authentication type (manual)

At the bottom of the sidebar, there is a blue button labeled 'Register your site' and a red error message that says 'Required'.



The screenshot shows the Moodle Cloud 'Site registration confirmed' page. The top navigation bar includes links for General, Users, Courses, Grades, Plugins, Appearance, Server, Reports, and Development. A green success message box states: 'Thank you for registering your site. Registration information will be kept up to date by the 'Site registration' scheduled task.' Below the message is a 'Continue' button.

STEP 9 - Successfully created and uploaded courses in moodle cloud now we can enrol the user for the moodle site

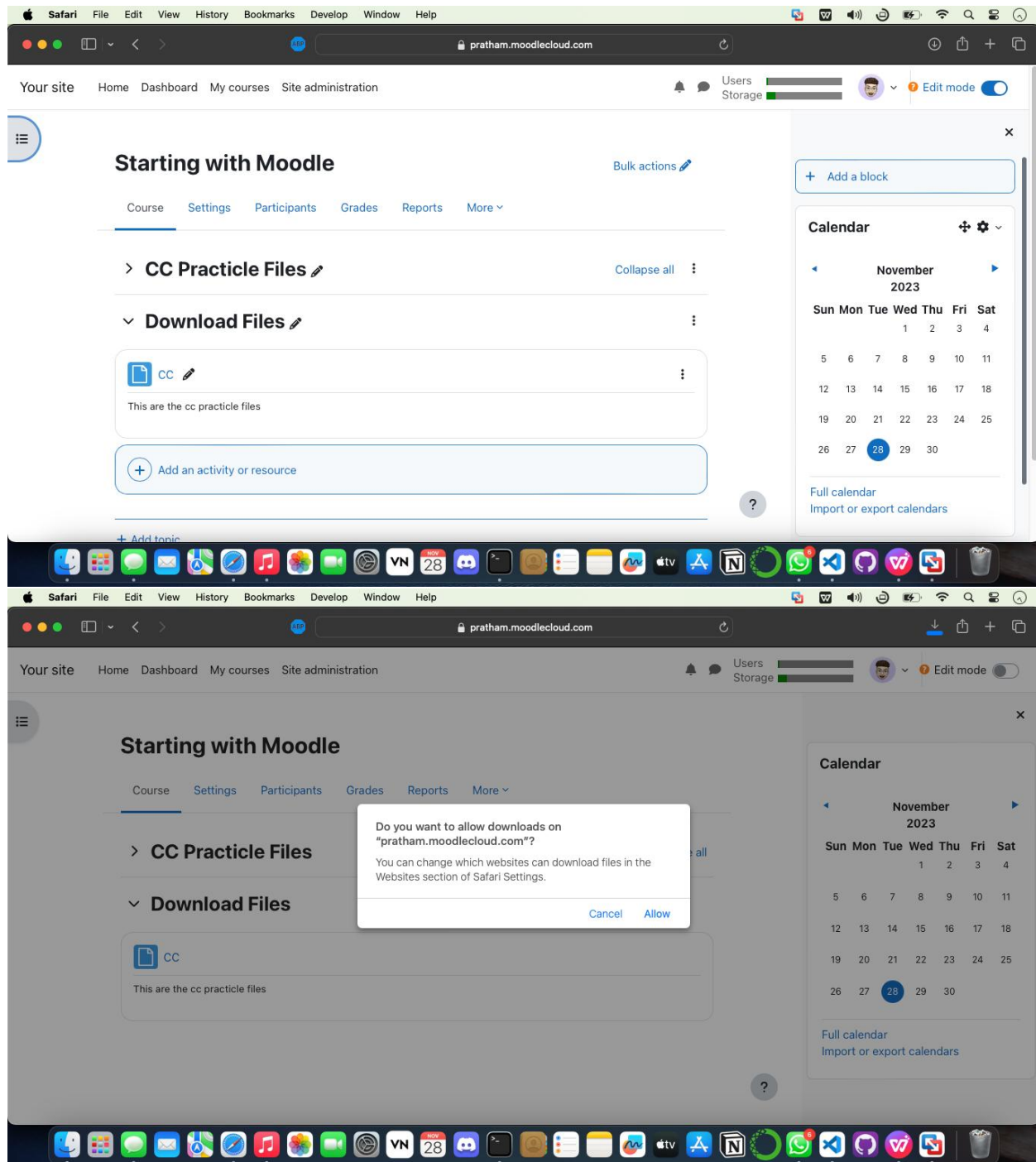


The screenshot displays the Moodle Cloud interface in a Safari browser window. The address bar shows the URL `pratham.moodlecloud.com`. The top navigation bar includes links for 'Your site', 'Home', 'Dashboard', 'My courses', and 'Site administration'. On the right, there are icons for 'Users', 'Storage', a user profile, and an 'Edit mode' toggle.

The main content area is titled 'Starting with Moodle' and features tabs for 'Course', 'Settings', 'Participants', 'Grades', 'Reports', and 'More'. The 'Participants' tab is currently selected. Below the tabs, there is a section for 'Enrolled users' with an 'Enrol users' button. A search bar is present with a 'Match' dropdown set to 'Any' and a 'Select' dropdown. Below the search bar, there is a '+ Add condition' button and 'Clear filters' and 'Apply filters' buttons.

Below the search bar, it indicates '1 participants found'. The list of participants shows 'First name' and 'Last name' with alphabetical filters (A-Z). The bottom of the screen shows a macOS dock with various application icons.

Created a LMS for Cloud Computing files for students to download



The screenshot displays the Moodle Cloud interface in a Safari browser. The top navigation bar includes 'Your site', 'Home', 'Dashboard', 'My courses', and 'Site administration'. The main content area is titled 'Starting with Moodle' and features tabs for 'Course', 'Settings', 'Participants', 'Grades', 'Reports', and 'More'. Under the 'Course' tab, there are sections for 'CC Practicle Files' and 'Download Files'. A 'Download Files' section contains a file named 'CC' with a description 'This are the cc practice files'. A dialog box is open in the center, asking 'Do you want to allow downloads on "pratham.moodlecloud.com"?'. The dialog text states: 'You can change which websites can download files in the Websites section of Safari Settings.' The dialog has 'Cancel' and 'Allow' buttons. On the right side, there is a 'Calendar' widget showing the month of November 2023. The bottom of the screen shows the macOS dock with various application icons.

From now on, it's necessary to enroll your website, include users, and incorporate courses. Registered users with a username and password can access courses globally.

During a 7-day trial, courses are open to registered users.

If you wish to continue afterward, payment will be based on usage—number of users and space used for course materials.

Conclusion

Through the Moodle Cloud's free trial, we gained valuable insights into Software as a Service, setting the foundation for a deeper understanding of this innovative model.