

NUTAN COLLEGE OF ENGINEERING & RESEARCH (NCER)
Department of Computer Science & Engineering (CSE)

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:

Moodle Cloud 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, Moodle Cloud is a good solution.

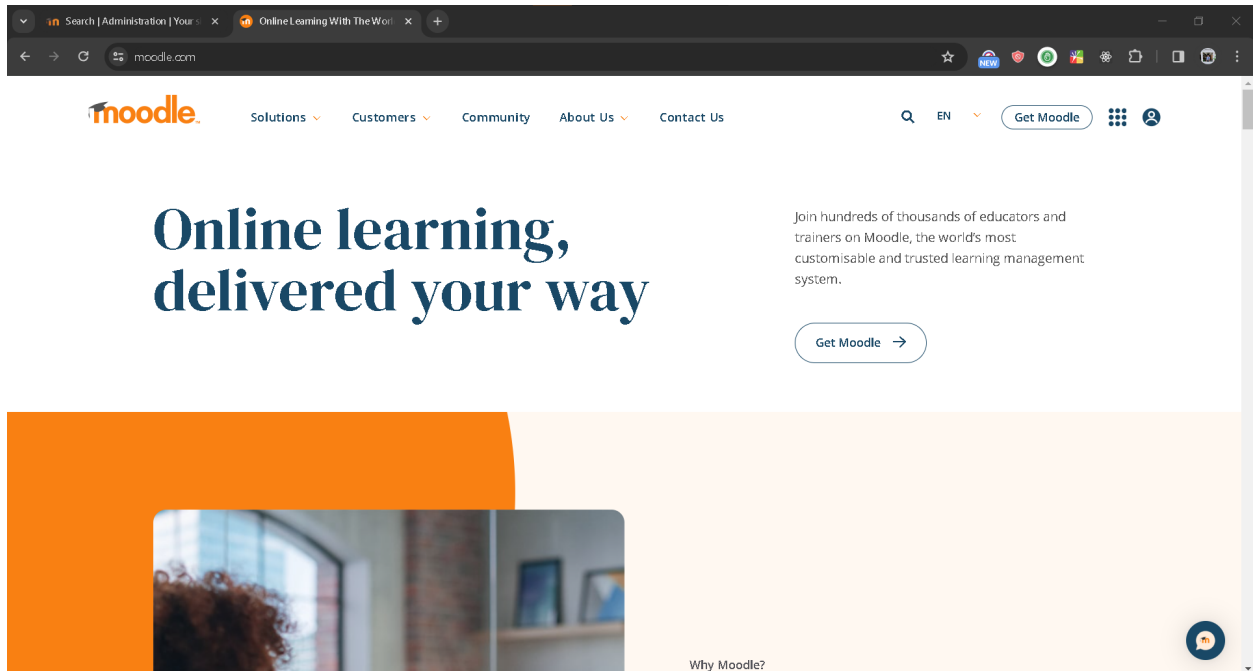
Since it is in the cloud, as its name suggests, there is no need to download it. As a result, Moodle Cloud makes creating your own Moodle site very quick, with little guesswork. It is the hosting system for Moodle, created and managed by the Moodle developers. Moodle Cloud is a ready-to-use LMS solution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

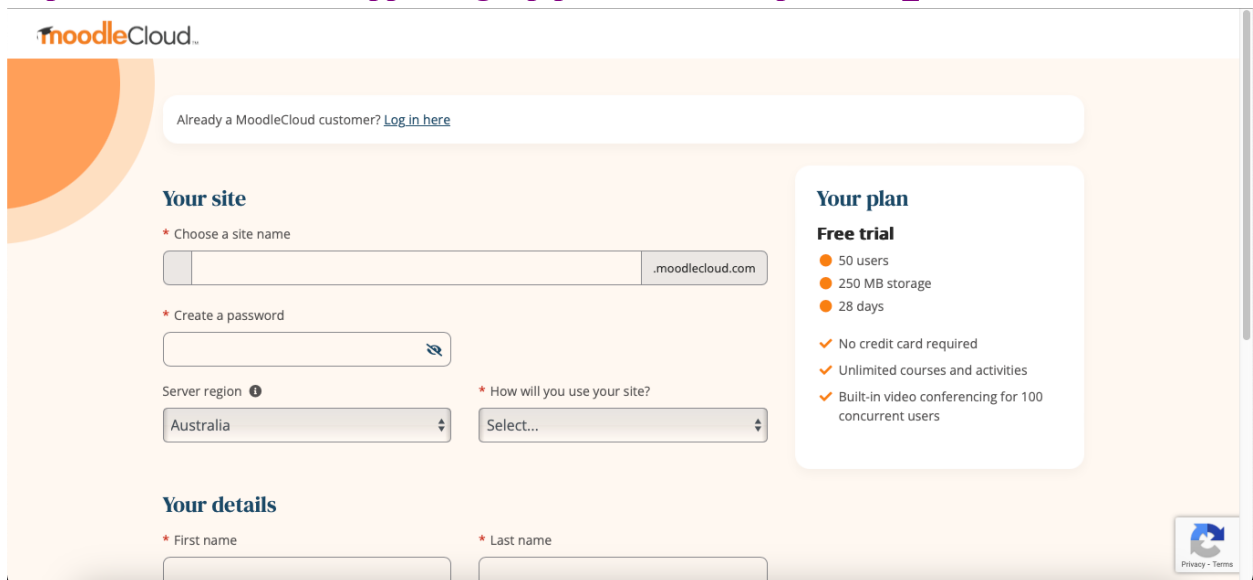
Moodle Cloud is designed for organizations that want to understand what a Moodle site can offer because of its focus on simplicity and speed. It is a straightforward answer. Moodle Cloud should get you up and running if you have fewer users and merely want to provide basic e-learning content quickly and easily 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/>

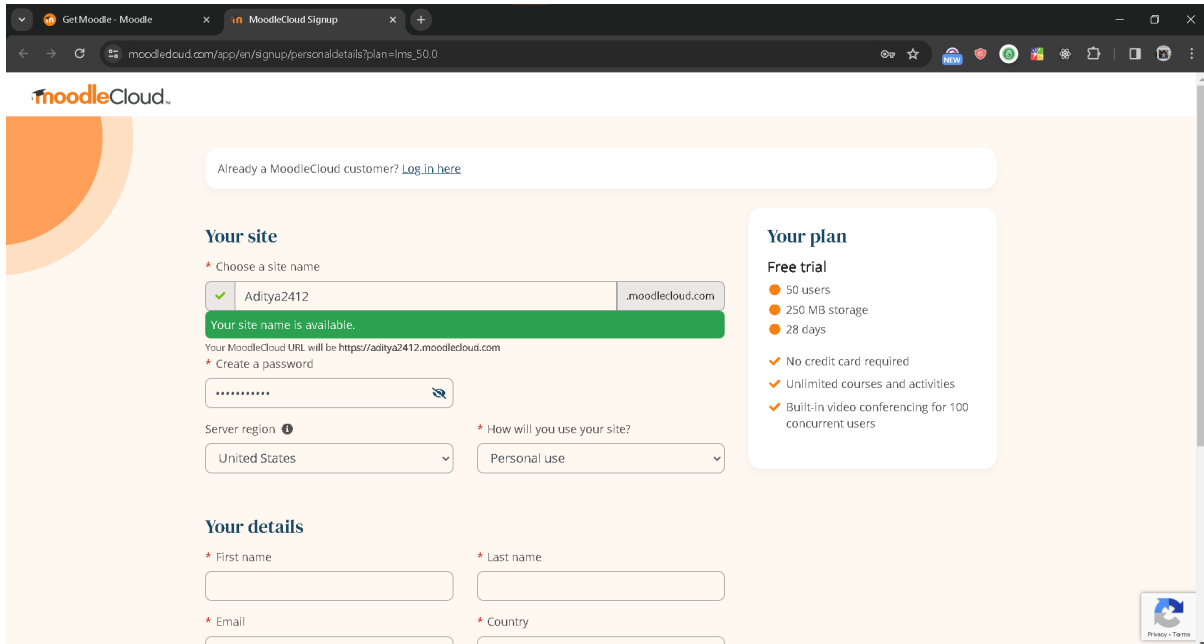


https://moodlecloud.com/app/en/signup/personaldetails?plan=lms_50.0



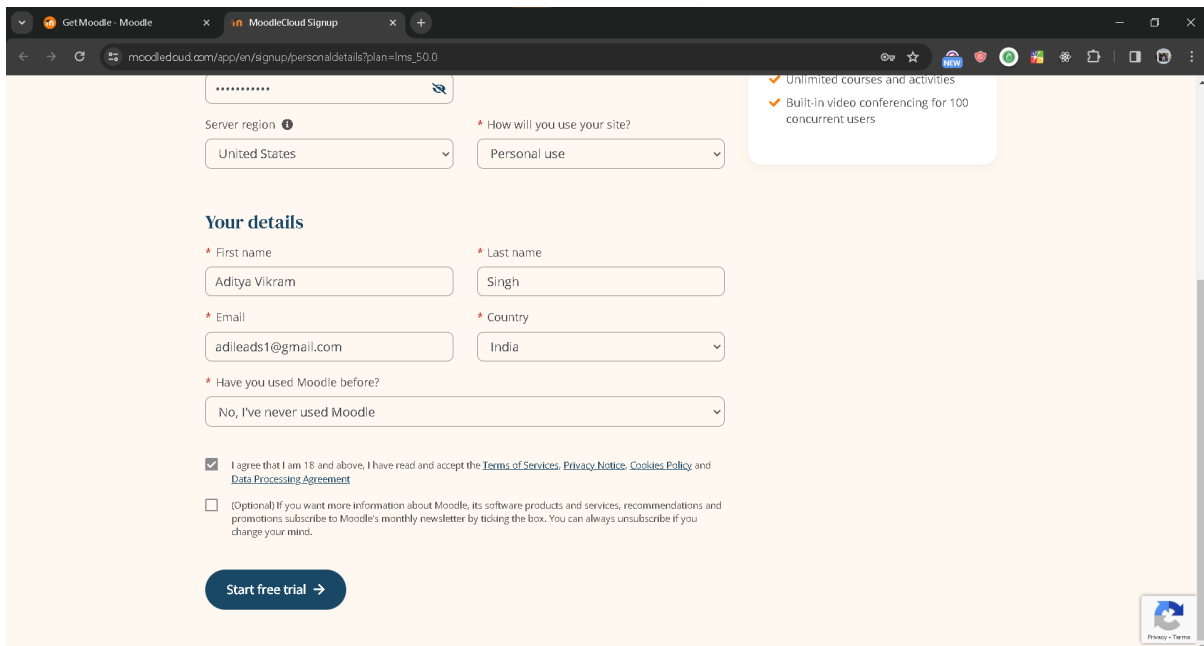
The screenshot shows the MoodleCloud signup page. The header includes the MoodleCloud logo. The main content area is divided into three sections: 'Your site', 'Your plan', and 'Your details'. The 'Your site' section contains fields for 'Choose a site name' (with a dropdown menu showing '.moodlecloud.com'), 'Create a password' (with a strength indicator), 'Server region' (with a dropdown menu showing 'Australia'), and 'How will you use your site?' (with a dropdown menu showing 'Select...'). The 'Your plan' section is titled 'Free trial' and lists features: '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 'Your details' section contains fields for 'First name' and 'Last name'. A 'Log in here' link is present at the top of the 'Your site' section. A 'Privacy - Terms' link is at the bottom right.

Step 2 - Enter your domain name.



The screenshot shows the MoodleCloud Signup page. The browser address bar displays `moodlecloud.com/app/en/signup/personaldetails?plan=lms_50.0`. The page has a light orange background. At the top left is the MoodleCloud logo. A link "Already a MoodleCloud customer? Log in here" is at the top. The "Your site" section includes a site name field with "Aditya2412" and ".moodlecloud.com", a green confirmation bar "Your site name is available.", and a URL preview "Your MoodleCloud URL will be https://aditya2412.moodlecloud.com". Below this is a password field and a "Server region" dropdown set to "United States". The "How will you use your site?" dropdown is set to "Personal use". To the right, a "Your plan" box lists "Free trial" benefits: 50 users, 250 MB storage, 28 days, no credit card required, unlimited courses, and built-in video conferencing. The "Your details" section has fields for first name, last name, email, and country.

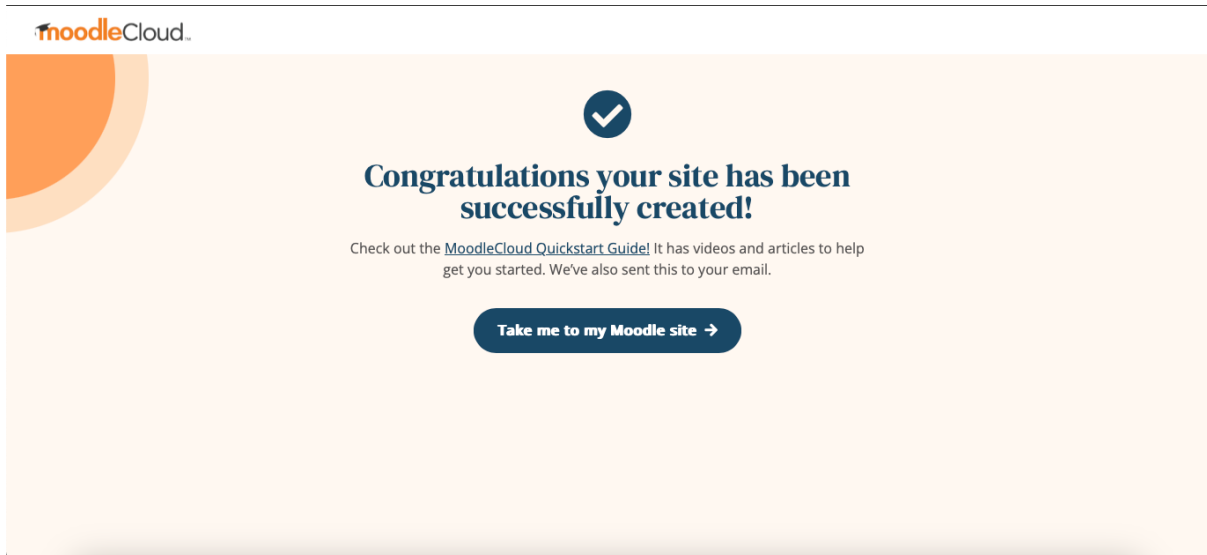
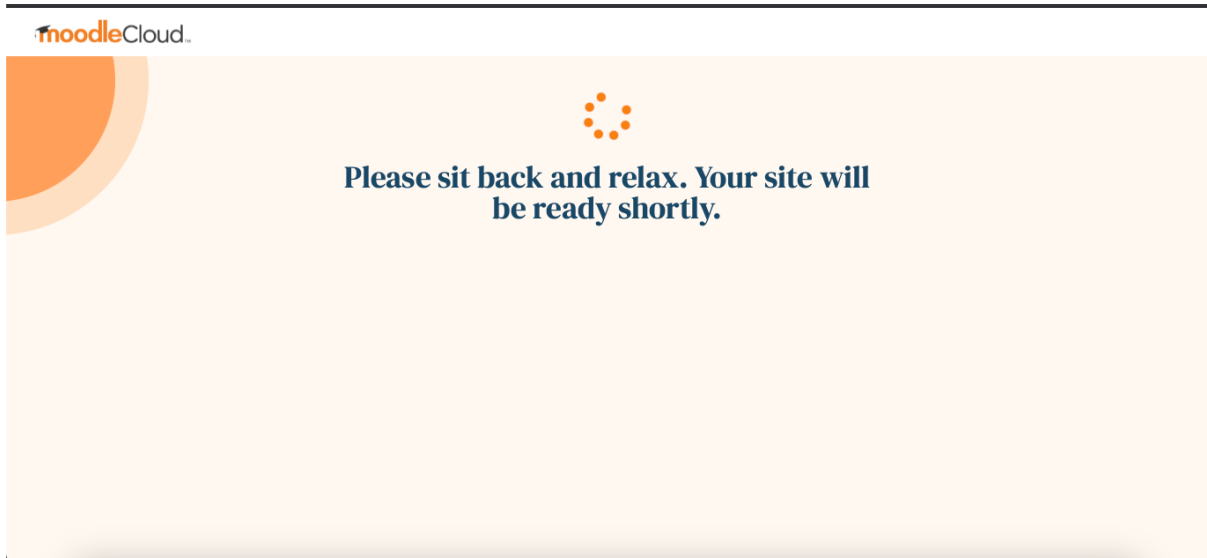
Step 3 - Enter all details including password, region and accept terms and condition's



This screenshot shows the same MoodleCloud Signup page as Step 2, but with more details filled in. The password field is now visible with masked characters. The "Server region" dropdown remains "United States" and "How will you use your site?" remains "Personal use". In the "Your details" section, the first name is "Aditya Vikram", the last name is "Singh", the email is "adileads1@gmail.com", and the country is "India". A new question "Have you used Moodle before?" is added with a dropdown set to "No, I've never used Moodle". At the bottom, there are two checkboxes: the first is checked and labeled "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"; the second is unchecked and labeled "(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." A "Start free trial" button with a right arrow is at the bottom center.

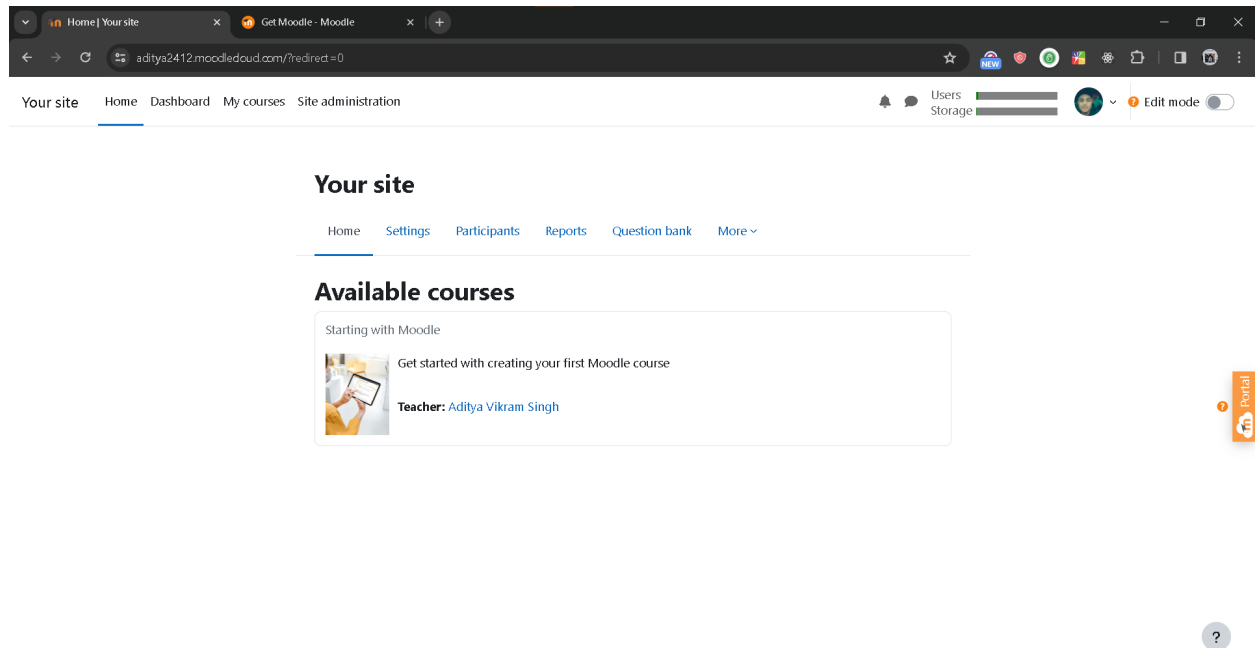
Click on start Free trial.

Step 4 - Success



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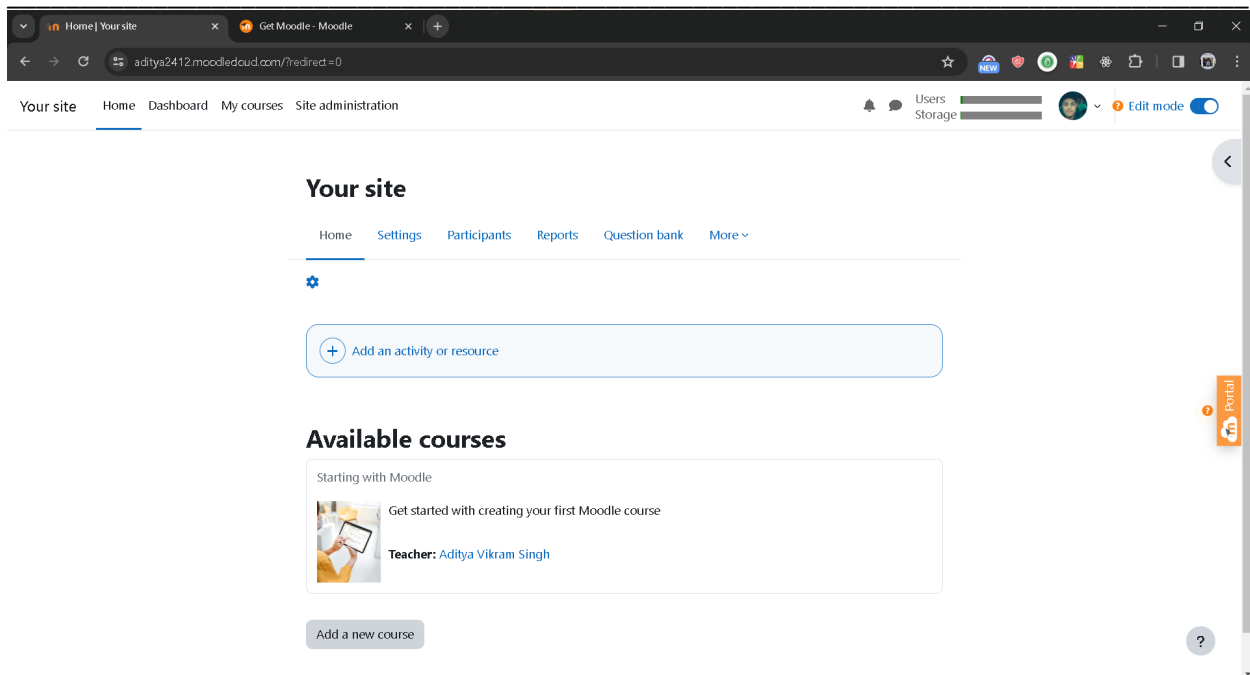
Step 5 - Get started with creating your first Moodle course.



The screenshot shows the Moodle 'Your site' dashboard. At the top, there's a navigation bar with links: 'Your site', 'Home', 'Dashboard', 'My courses', and 'Site administration'. Below this, the 'Your site' section is active, showing sub-links: 'Home', 'Settings', 'Participants', 'Reports', 'Question bank', and 'More'. The main content area is titled 'Available courses' and features a card for 'Starting with Moodle'. This card includes a thumbnail image of a person using a tablet, the title 'Get started with creating your first Moodle course', and the teacher's name 'Teacher: Aditya Vikram Singh'. On the right side of the dashboard, there's a vertical sidebar with a 'Pental' logo and a 'Users Storage' indicator. A small circular help icon with a question mark is located at the bottom right of the dashboard area.

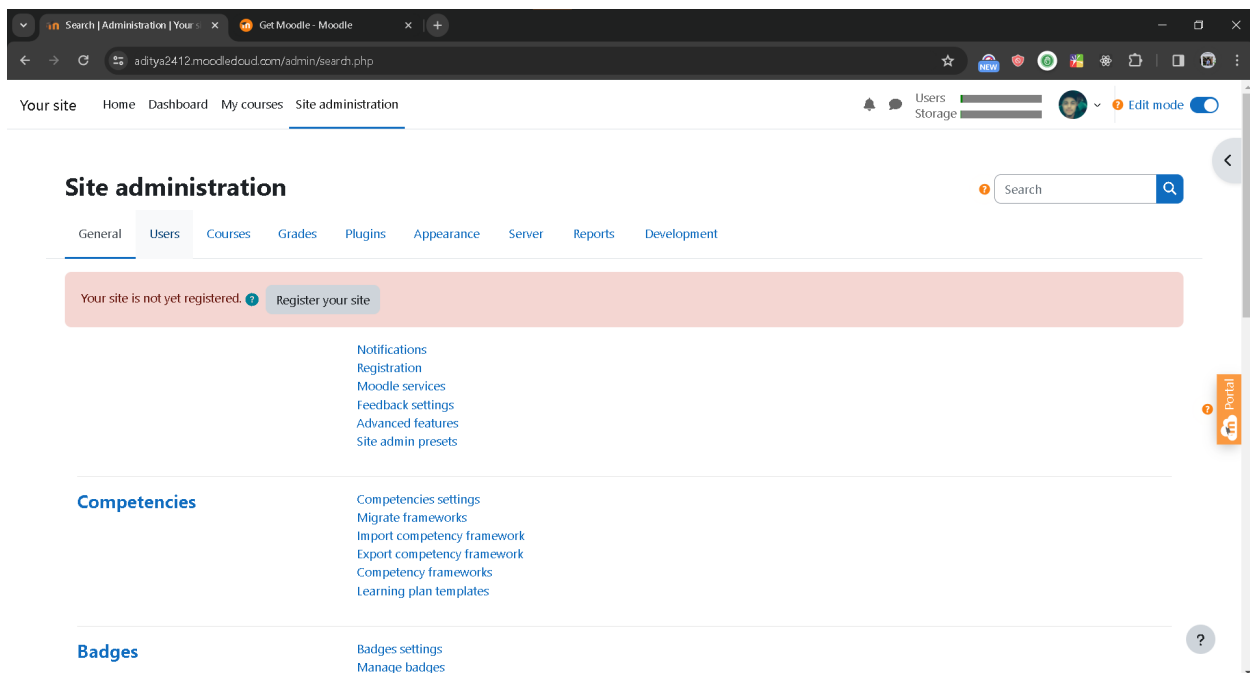
Step 6 - Upload Course in MOODLE by Toggling the Edit option.

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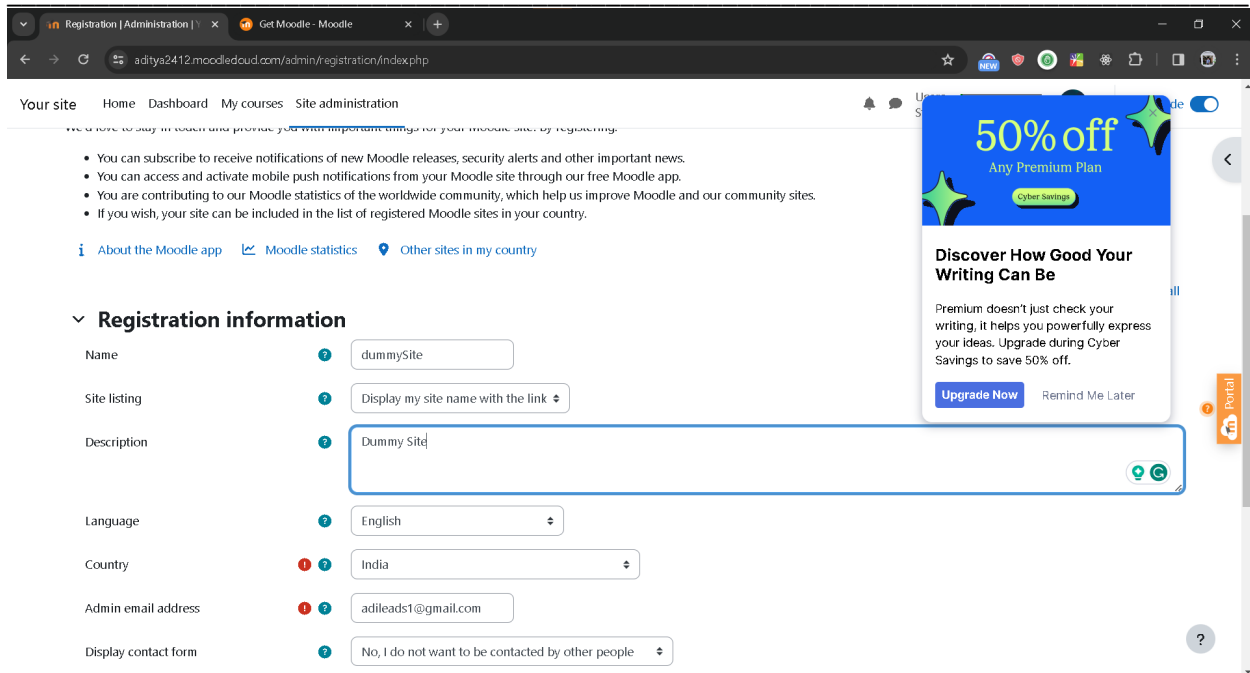
The screenshot shows the Moodle 'Your site' page. The browser address bar displays 'aditya2412.moodlecloud.com/?redirect=0'. The top navigation bar includes 'Your site', 'Home', 'Dashboard', 'My courses', and 'Site administration'. On the right, there are links for 'Users', 'Storage', and an 'Edit mode' toggle. The main content area is titled 'Your site' and contains a sub-navigation bar with 'Home', 'Settings', 'Participants', 'Reports', 'Question bank', and 'More'. Below this is a button labeled 'Add an activity or resource'. The 'Available courses' section shows a 'Starting with Moodle' card with the text 'Get started with creating your first Moodle course' and 'Teacher: Aditya Vikram Singh'. At the bottom of this section is a button labeled 'Add a new course'.

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' page. The browser address bar displays 'aditya2412.moodlecloud.com/admin/search.php'. The top navigation bar is the same as the previous screenshot. The 'Site administration' section has a sub-navigation bar with 'General', 'Users', 'Courses', 'Grades', 'Plugins', 'Appearance', 'Server', 'Reports', and 'Development'. Below this is a red banner that says 'Your site is not yet registered.' with a 'Register your site' button. The main content area is divided into three sections: 'Notifications' (with links for Registration, Moodle services, Feedback settings, Advanced features, and Site admin presets), 'Competencies' (with links for Competencies settings, Migrate frameworks, Import competency framework, Export competency framework, Competency frameworks, and Learning plan templates), and 'Badges' (with links for Badges settings and Manage badges).

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Registration [Administration] | Get Moodle - Moodle

aditya2412.moodlecloud.com/admin/registration/index.php

Your site Home Dashboard My courses Site administration

We'd love to stay in touch and provide you with important things for your Moodle site by registering.

- You can subscribe to receive notifications of new Moodle releases, security alerts and other important news.
- You can access and activate mobile push notifications from your Moodle site through our free Moodle app.
- You are contributing to our Moodle statistics of the worldwide community, which help us improve Moodle and our community sites.
- If you wish, your site can be included in the list of registered Moodle sites in your country.

[About the Moodle app](#) [Moodle statistics](#) [Other sites in my country](#)

Registration information

Name

Site listing

Description

Language

Country

Admin email address

Display contact form

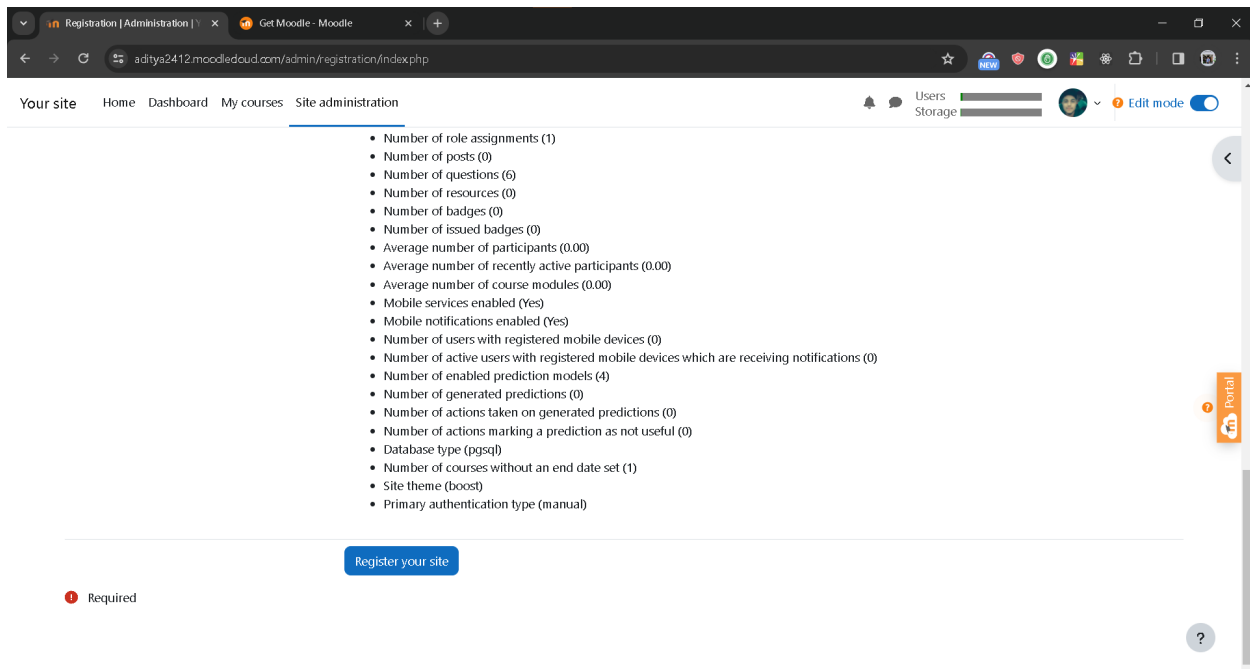
50% off
Any Premium Plan
Cyber Savings

Discover How Good Your Writing Can Be

Premium doesn't just check your writing, it helps you powerfully express your ideas. Upgrade during Cyber Savings to save 50% off.

[Upgrade Now](#) [Remind Me Later](#)

Step 8 - Register your site after providing necessary info.



Registration [Administration] | Get Moodle - Moodle

aditya2412.moodlecloud.com/admin/registration/index.php

Your site Home Dashboard My courses Site administration

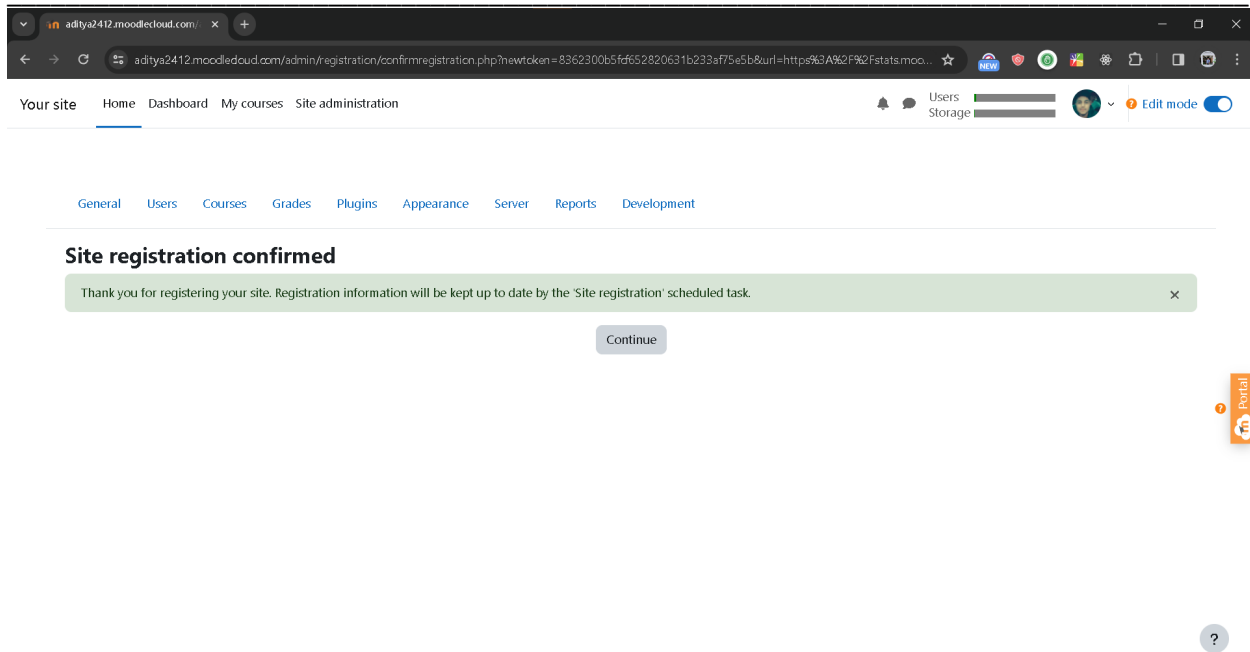
Users Storage

[Edit mode](#)

- Number of role assignments (1)
- Number of posts (0)
- Number of questions (6)
- Number of resources (0)
- 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)

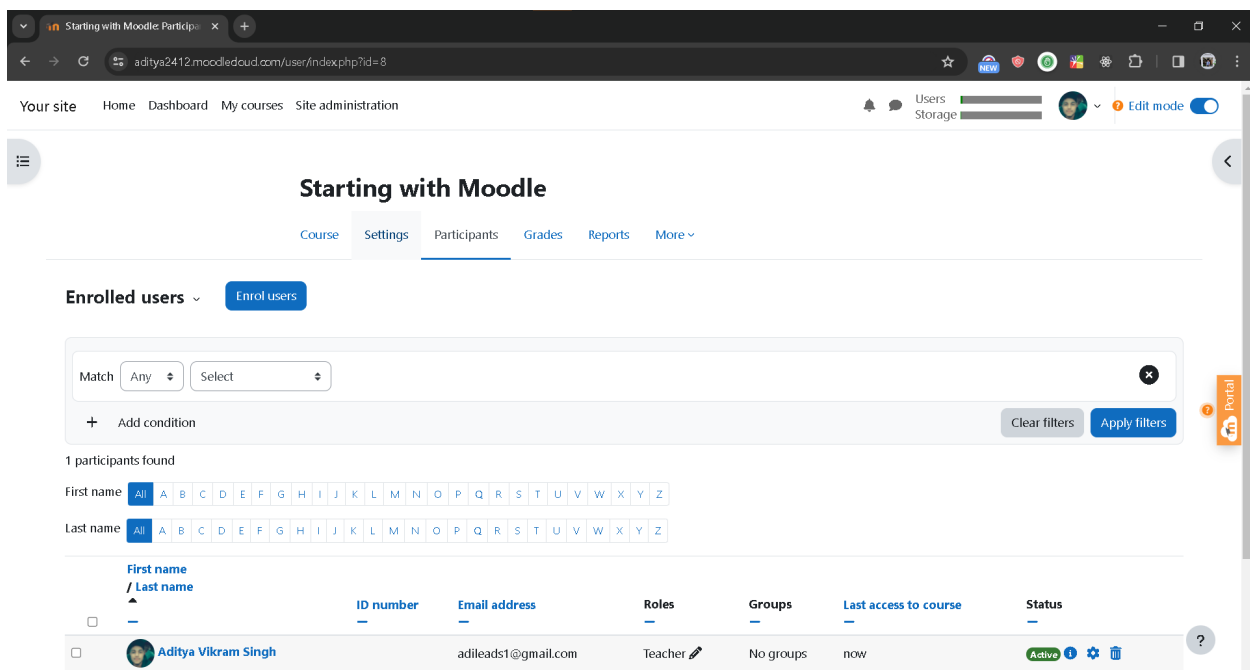
[Register your site](#)

Required



The screenshot shows the Moodle Cloud Admin Dashboard. At the top, there's a navigation bar with links: Your site, Home, Dashboard, My courses, Site administration. Below this, a secondary navigation bar includes: General, Users, Courses, Grades, Plugins, Appearance, Server, Reports, Development. A green notification box in the center states: "Site registration confirmed. Thank you for registering your site. Registration information will be kept up to date by the 'Site registration' scheduled task." A "Continue" button is located below the notification. On the right side, there are indicators for Users and Storage, and an "Edit mode" toggle. A "Portal" button is visible on the far right.

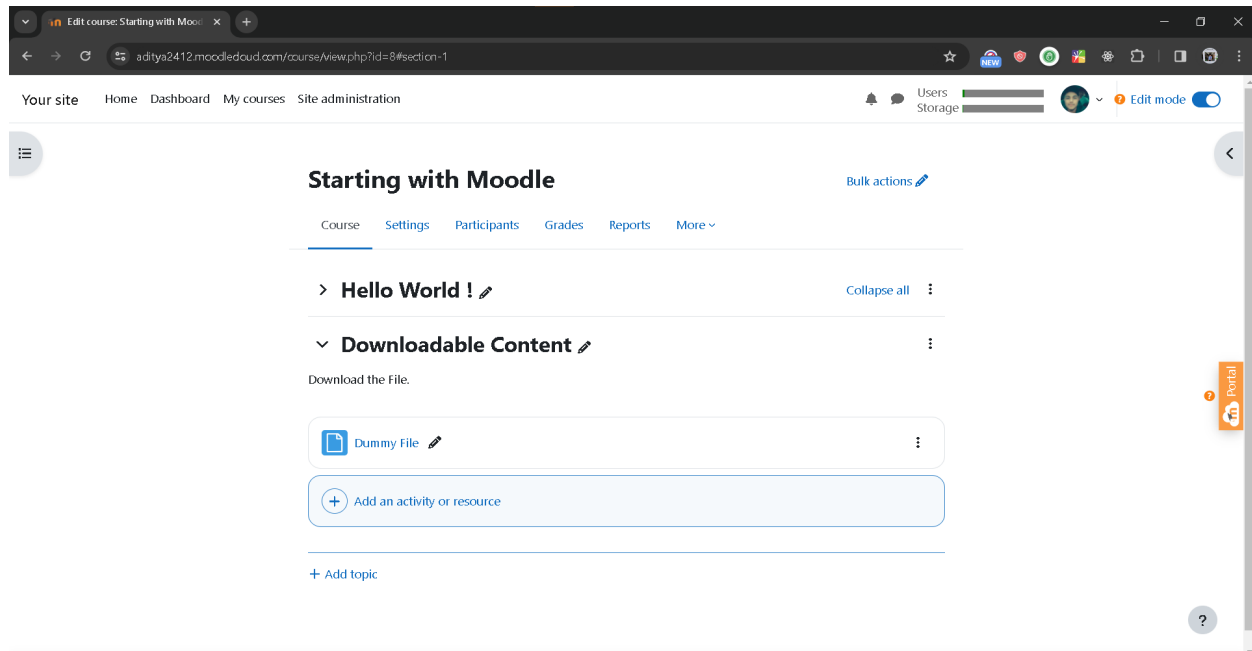
Step 9 - Successfully created and uploaded courses in Moodle cloud now we can enroll the user for the Moodle site.



The screenshot shows the Moodle Cloud Course Page for "Starting with Moodle". The page has tabs for Course, Settings, Participants, Grades, Reports, and More. The "Participants" tab is active, showing "Enrolled users". A search bar at the top of the participants list allows filtering by "Match" (Any) and "Select". Below the search bar, there's a section for "1 participants found". It includes two alphabetical lists for "First name" and "Last name". Below these lists is a table of enrolled users.

	First name / Last name	ID number	Email address	Roles	Groups	Last access to course	Status
<input type="checkbox"/>	Aditya Vikram Singh		adileads1@gmail.com	Teacher	No groups	now	Active

Created an LMS for Cloud Computing files for students to download.



From now on, it's necessary to enroll in 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.