

XMLVALIDATOR

Question Type Plugin for LMS – User
Doc

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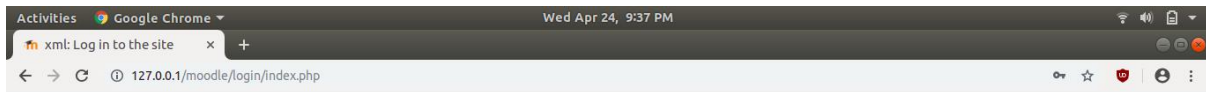
XMLVALIDATOR– Plugin Overview

The plugin 'XMLVALIDATOR' is a 'question type' plugin. With the help of this plugin, a question can be created which checks the validity of xml file uploaded by student against the xsd schema file uploaded by teacher or test creator. The creator of the question can supply one xsd file schema and can also supply grades for the questions.

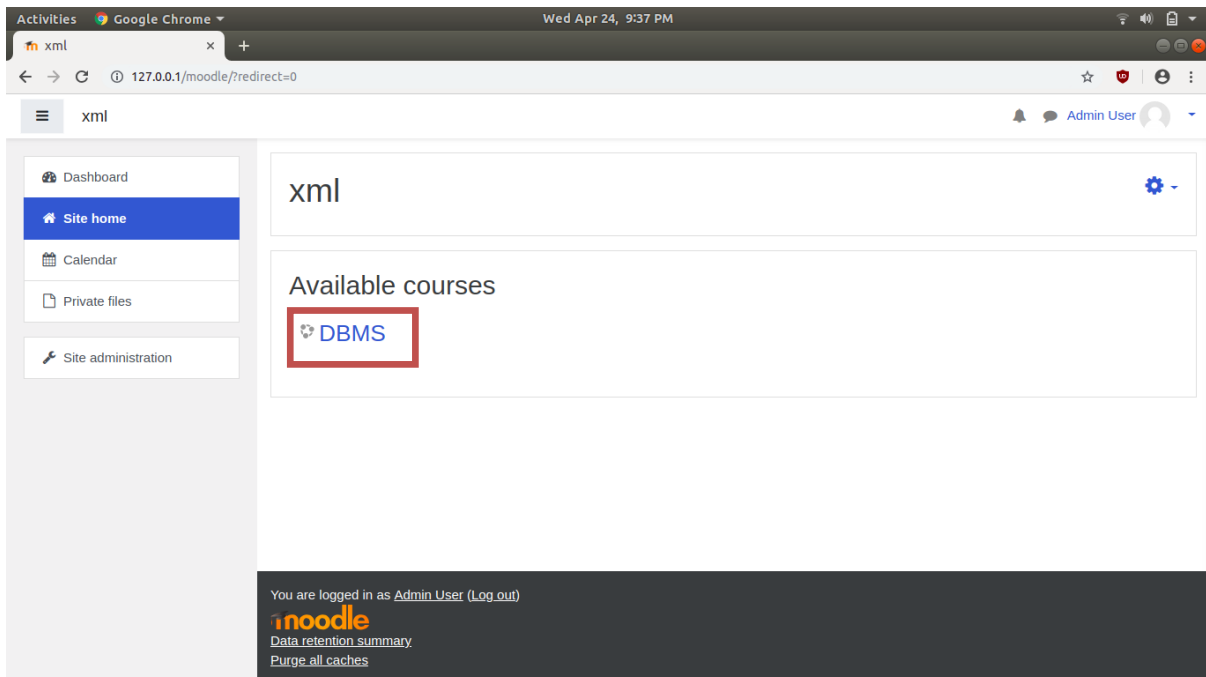
Evaluation Technique: The plugin checks the validity of XML file submitted by student against the XSD schema given by teacher.

Login

Login to Moodle:

A screenshot of the Moodle login form for a course named 'xml'. The form is centered on a light gray background. It contains two input fields: 'Username' and 'Password'. Below the 'Password' field is a checkbox labeled 'Remember username'. To the right of the input fields are two links: 'Forgotten your username or password?' and 'Cookies must be enabled in your browser'. Below these links is a note: 'Some courses may allow guest access'. At the bottom of the form are two buttons: 'Log in' (blue) and 'Log in as a guest' (gray). A red rectangular box highlights the 'Username', 'Password', and 'Remember username' section.

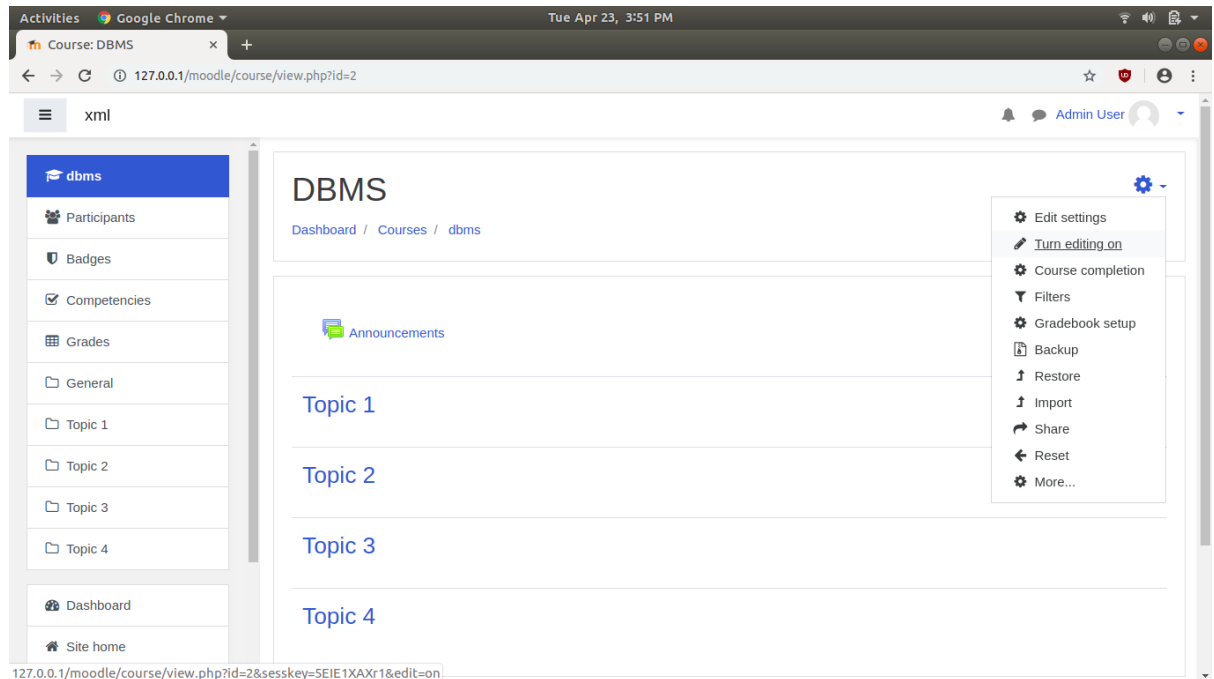
Click on the Course



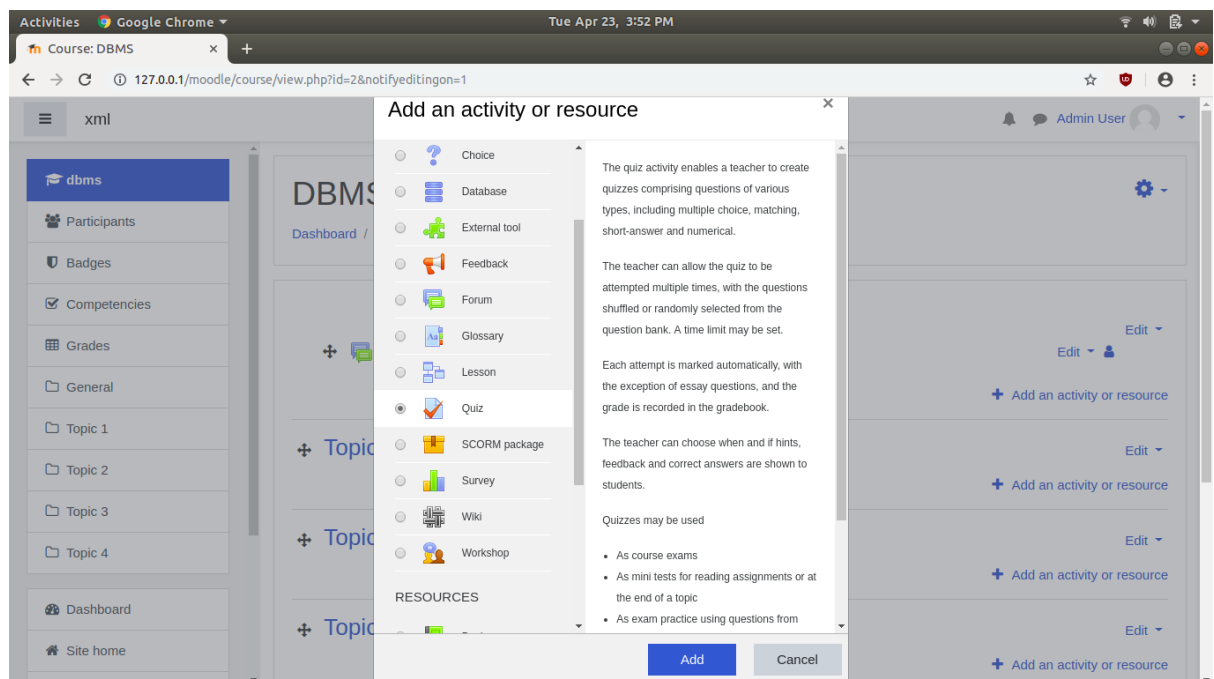
Creating the “XMLVALIDATOR” question

Creating the question in LMS: Steps and Screenshots

1. Click on “Turn Editing on” and add an activity. Here we are creating a quiz. A question can be created specifically for one quiz.



2. Select the question type “Quiz” as an activity to add and click on “Add”.



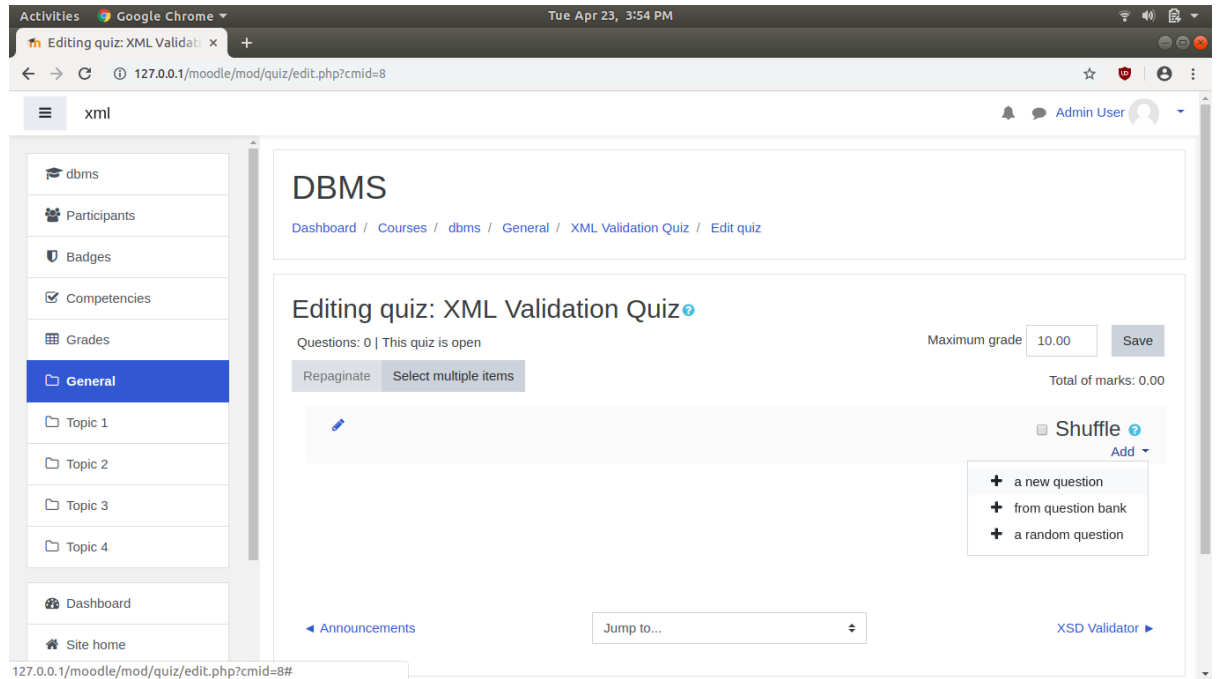
3. Enter the appropriate name and description for the quiz.

The screenshot shows the Moodle interface for adding a new quiz. The browser address bar indicates the URL: `127.0.0.1/moodle/course/modedit.php?add=quiz&type=&course=2§ion=0&return=0&sr=0`. The left sidebar contains a menu with options: dbms, Participants, Badges, Competencies, Grades, General (selected), Topic 1, Topic 2, Topic 3, Topic 4, Dashboard, and Site home. The main content area is titled 'Adding a new Quiz' and includes an 'Expand all' link. Under the 'General' tab, the 'Name' field contains 'XML Validation Quiz'. The 'Description' field contains 'xml validation'. A checkbox labeled 'Display description on course page' is checked. Below the description field are links for 'Timing' and 'Grade'.

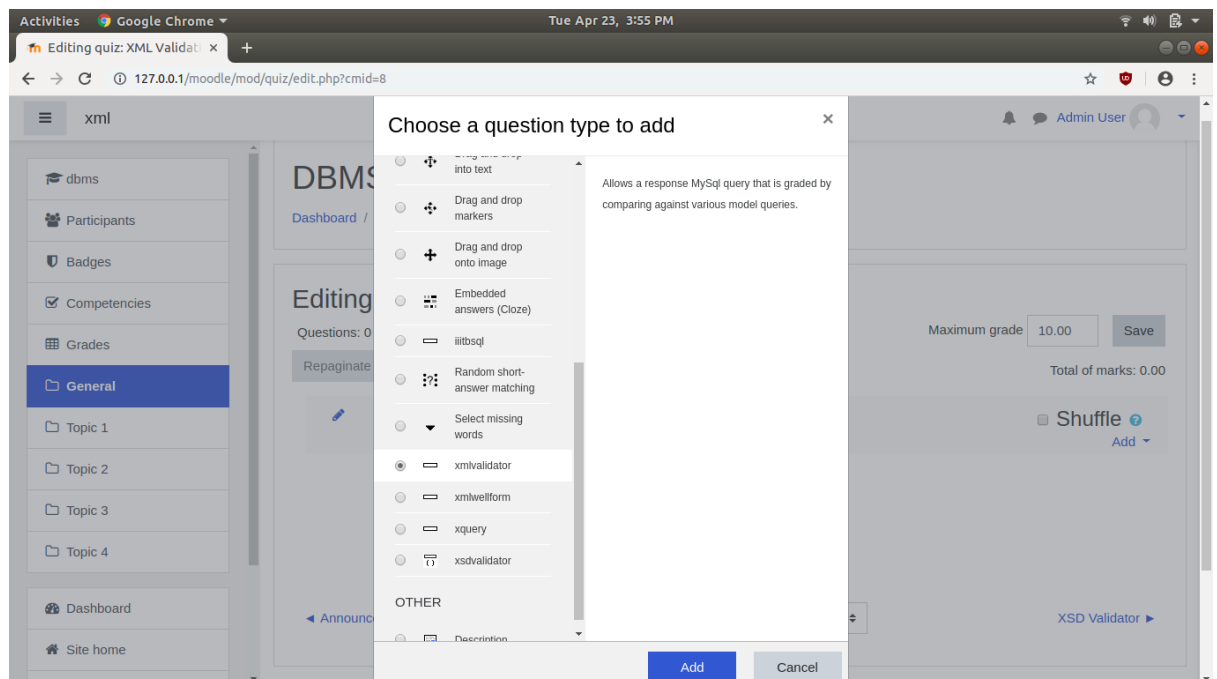
4. Once the quiz is created select the option “Edit quiz” to add questions.

The screenshot shows the Moodle interface for the 'XML Validation Quiz'. The browser address bar indicates the URL: `127.0.0.1/moodle/mod/quiz/view.php?id=8`. The left sidebar is identical to the previous screenshot. The main content area is titled 'DBMS' and shows the breadcrumb path: 'Dashboard / Courses / dbms / General / XML Validation Quiz'. Below this, the quiz title 'XML Validation Quiz' is displayed, followed by the description 'xml validation'. The grading method is set to 'Highest grade'. A red notification box states 'No questions have been added yet'. Below this, there are two buttons: 'Edit quiz' and 'Back to the course'. At the bottom, there is a 'Jump to...' dropdown menu and a link to 'XSD Validator'.

5. Click on the add option and select the option “a new question”.



6. Select the question type as “xmlvalidator” and click on Add button.



7. Enter the appropriate question and write the appropriate xsd schema in XSD_File option. Enter the marks and select the grade option as “100%”. Click on “Save Changes”.

The screenshot shows the Moodle question editor interface. On the left is a sidebar with navigation links: dbms, Participants, Badges, Competencies, Grades, General (selected), Topic 1, Topic 2, Topic 3, Topic 4, Dashboard, and Site home. The main content area is titled 'Answers' and contains the following fields:

- XSD_File :** A text input field containing the XML schema: `<?xml version="1.0"?> <schema xmlns="http://www.w3.o`
- Grade:** A dropdown menu set to '100%'.
- Feedback:** A rich text editor with a toolbar and a large text area.
- Buttons:** 'Blanks for 1 more choices', 'Save changes and continue editing', 'Save changes', and 'Cancel'.

At the bottom, a message states: 'There are required fields in this form marked [red icon]'.

8. The saved question is now visible and is ready to be used.

The screenshot shows the Moodle quiz editing page. The top navigation bar includes 'Activities', 'Google Chrome', and the date 'Wed Apr 24, 9:49 PM'. The breadcrumb trail is: Dashboard / Courses / dbms / General / XML Validation Quiz / Edit quiz. The page title is 'Editing quiz: XML Validation Quiz'. The status is 'Questions: 1 | This quiz is open'. The 'Maximum grade' is set to '10.00' and the 'Total of marks' is '1.00'. The quiz is titled 'DBMS'. The question list shows one question:

| Page 1 | Question | Grade |
|--------|---|-------|
| 1 | xml validator quiz Enter a proper xml to be validated against xsd | 1.00 |

Buttons for 'Repaginate', 'Select multiple items', 'Shuffle', 'Add', and 'Add' are visible.