

# XSDVALIDATOR

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Question Type Plugin for LMS – User  
Doc

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PRASHANT SANGTANI  
MT2018082

SAGAR JHUNJHUNWALA  
MT2018097

SHUBHAM DAROKAR  
MT2018113

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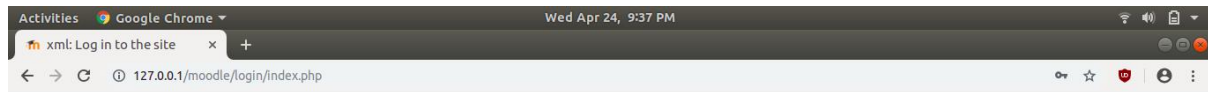
## **XSDVALIDATOR– Plugin Overview**

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

**Evaluation Technique:** The plugin checks the validity of XSD file submitted by student against the multiple XML test cases given by teacher.

# Login

Login to Moodle:

A Moodle login form titled 'xml'. It contains a 'Username' input field, a 'Password' input field, and a 'Remember username' checkbox. A blue 'Log in' button is at the bottom of the form. To the right of the form, there are links for 'Forgotten your username or password?', a message about cookies, and a 'Log in as a guest' button. A red rectangular box highlights the Username, Password, and Log in button area.

You are not logged in.  
[Home](#)  
[Data retention summary](#)

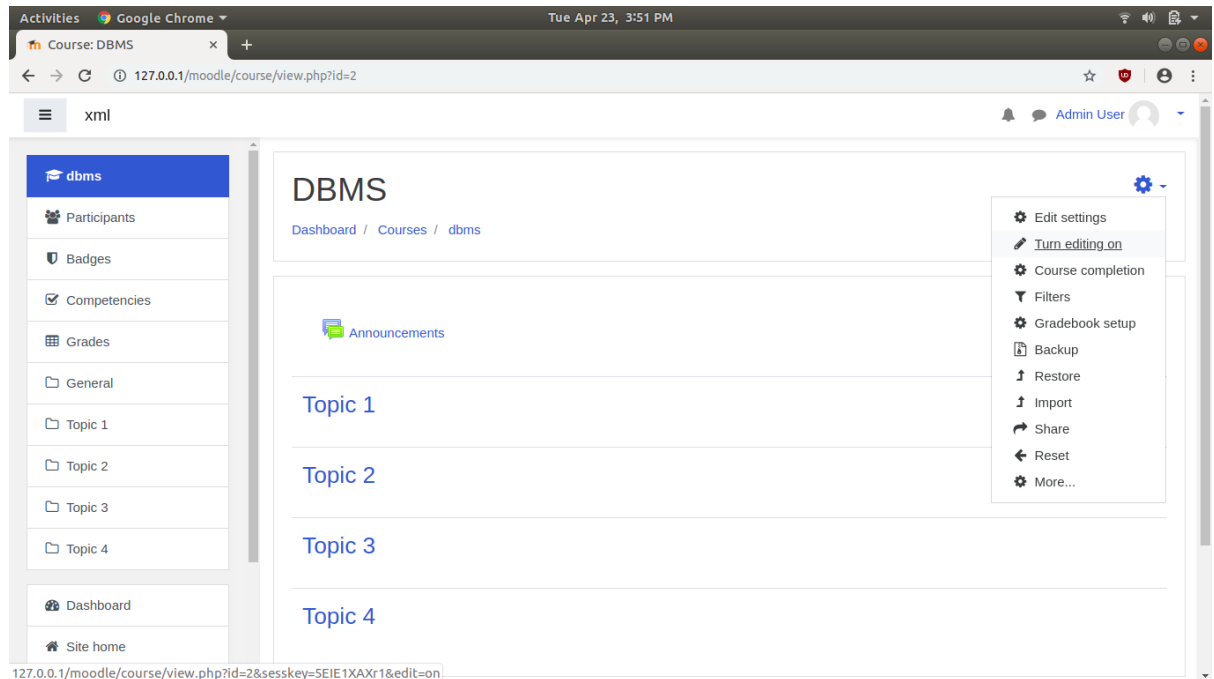
Click on the Course

A screenshot of the Moodle dashboard. The left sidebar contains navigation links: Dashboard, Site home (highlighted), Calendar, Private files, and Site administration. The main content area shows the 'xml' course page with a header and a section titled 'Available courses'. Under this section, a course named 'DBMS' is listed and highlighted with a red box. At the bottom of the page, a dark footer bar displays the Moodle logo and the text 'You are logged in as Admin User (Log out)', along with links for 'Data retention summary' and 'Purge all caches'.

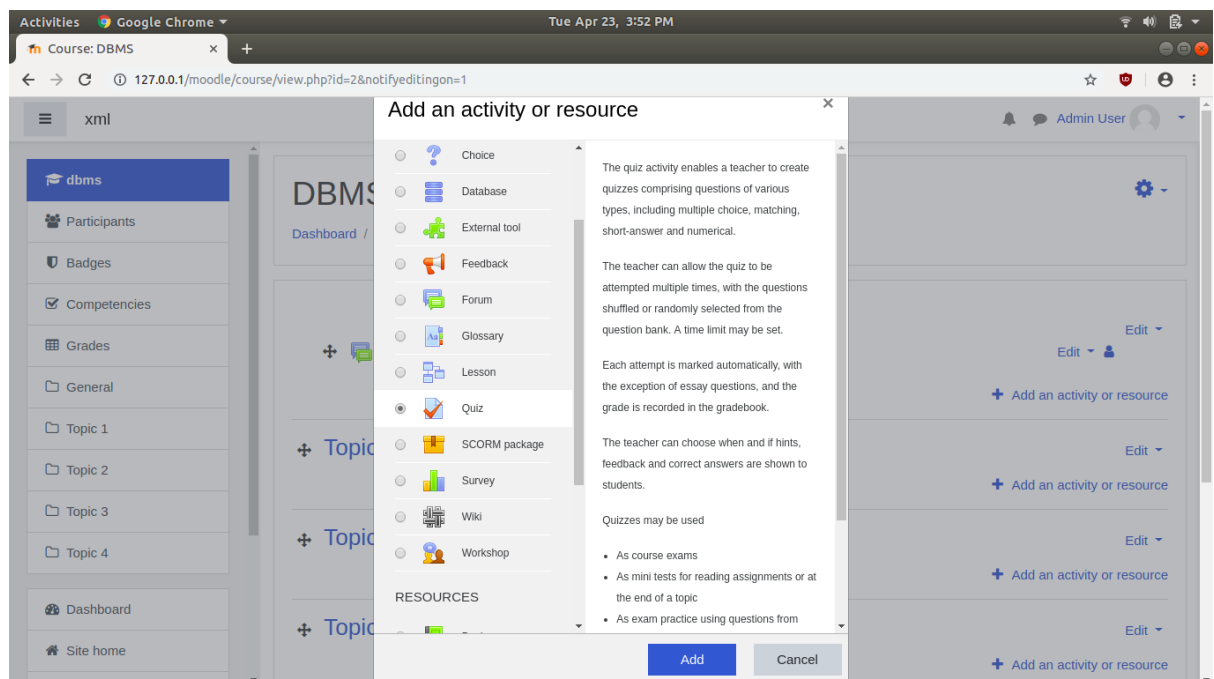
## Creating the “XSDVALIDATOR” question

### 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”.



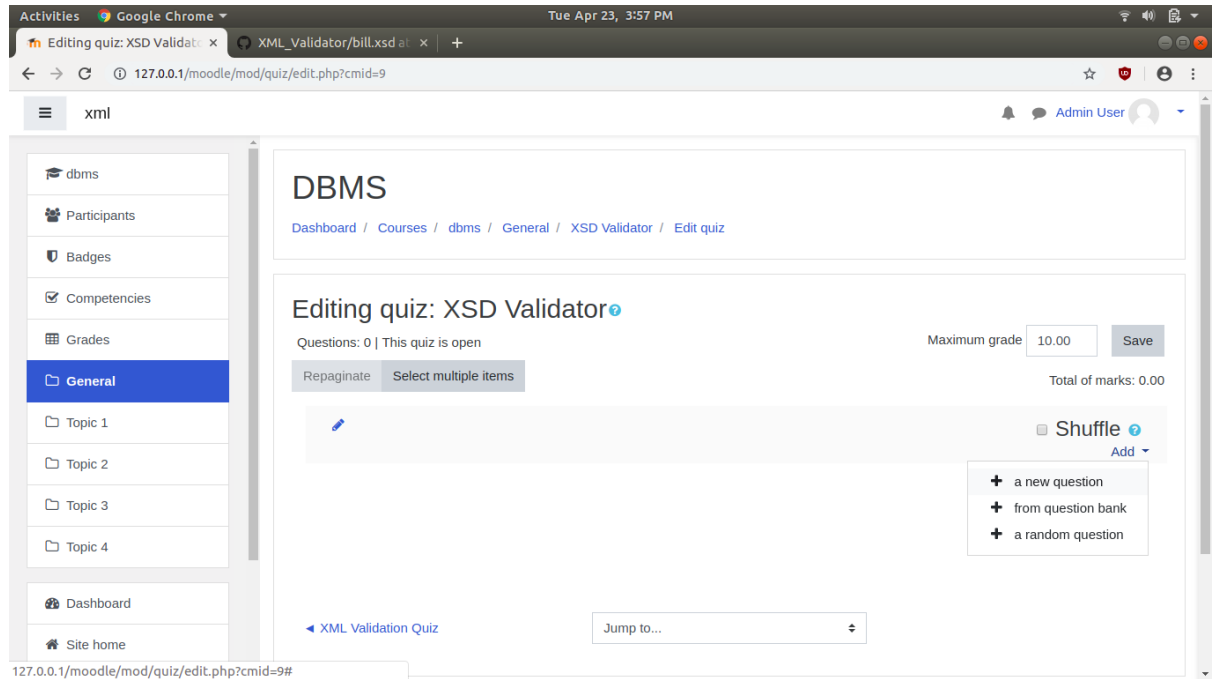
3. Enter the appropriate name and description for the quiz.

The screenshot shows the Moodle interface for adding a new quiz. The browser window is titled 'Editing Quiz' and the URL is '127.0.0.1/moodle/course/modedit.php?add=quiz&type=&course=2&section=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 has an 'Expand all' link. Under the 'General' section, there is a 'Name' field with the value 'XSD Validator' and a 'Description' field with the value 'xsd validation quiz'. A checkbox labeled 'Display description on course page' is present. Below the description field are links for 'Timing' and 'Grade'.

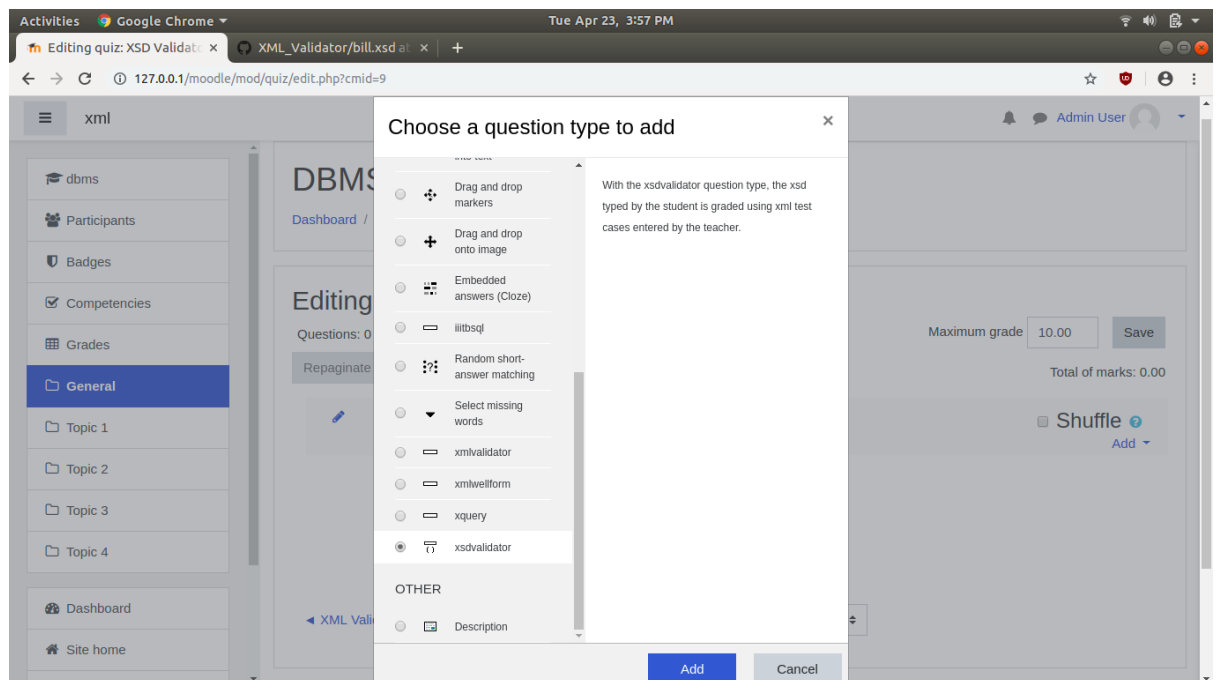
4. Once the quiz is created select the option “Edit quiz” to add questions.

The screenshot shows the Moodle interface for the 'XSD Validator' quiz. The browser window is titled 'dbms: XSD Validator' and the URL is '127.0.0.1/moodle/mod/quiz/view.php?id=9'. The left sidebar is the same as in the previous screenshot. The main content area is titled 'XSD Validator' and has a 'Settings' gear icon. Below the title is the text 'xsd validation quiz'. A message box states 'Grading method: Highest grade'. A red banner message says 'No questions have been added yet'. Below this are two buttons: 'Edit quiz' and 'Back to the course'. At the bottom, there is a link to 'XML Validation Quiz' and a 'Jump to...' dropdown menu. A footer bar contains links to 'Moodle Docs for this page', 'You are logged in as Admin User (Log out)', 'dbms', and 'Data retention summary'.

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



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



7. Enter the appropriate question name and question description.

The screenshot shows the 'Adding a xsd validator question' form in the Moodle interface. 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 xsd validator question' and has an 'Expand all' link. Under the 'General' tab, there are three fields: 'Category' (set to 'Default for dbms (1)'), 'Question name' (with a red error icon and the text 'Enter a proper xsd to check validation against multiple xml test cases'), and 'Question text' (with a red error icon and a rich text editor containing the text 'Please enter a valid XSD which matches, or not, the given example xml.').

8. Enter xml test cases to be validated and also mark if that test case "Should validate" or "Should not validate". Click on "Save Changes".

The screenshot shows the 'Adding a xsd validator question' form in the Moodle interface, specifically the 'Answers' tab. The left sidebar is the same as in the previous screenshot. The main content area is titled 'Answers' and contains three rows for 'Example XML 1', 'Example XML 2', and 'Example XML 3'. Each row has a text input field for the XML code and a dropdown menu for the validation status. The XML codes are all '<?xml version="1.0"?> <bills xmlns:xsi="http://www.w3.or'. The validation status dropdowns are set to 'Should validate', 'Should not validate', and 'Should validate' respectively. Below the rows is a blue button that says 'Blanks for 3 more sentences'. Further down are expandable sections for 'Combined feedback', 'Multiple tries', and 'Tags'. At the bottom are three buttons: 'Save changes and continue editing', 'Save changes', and 'Cancel'. A red error message at the bottom states 'There are required fields in this form marked with a red icon'.



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

The screenshot shows a web browser window with the URL `127.0.0.1/moodle/mod/quiz/edit.php?cmid=9`. The page title is "Editing quiz: XSD Validator". The left sidebar contains a menu with items: dbms, Participants, Badges, Competencies, Grades, General (selected), Topic 1, Topic 2, Topic 3, Topic 4, Dashboard, and Site home. The main content area has a header "DBMS" with a breadcrumb trail: [Dashboard](#) / [Courses](#) / [dbms](#) / [General](#) / [XSD Validator](#) / [Edit quiz](#). Below this, the quiz title "Editing quiz: XSD Validator" is displayed. The status "Questions: 1 | This quiz is open" is shown. The "Maximum grade" is set to "10.00" and the "Save" button is visible. The "Total of marks: 10.00" is also shown. The quiz content area shows "Page 1" and a single question with the text "Enter a proper xsd to check validation against multiple xml test cases Please enter a v...". The question is marked with a score of "10.00". A "Shuffle" button is visible next to the question. The question text is partially obscured by a redaction box.