

XPATH

Question Type Plugin for LMS – User Doc

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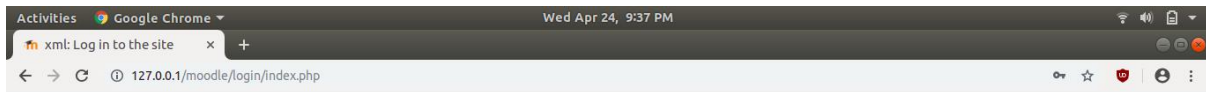
XPATH– Plugin Overview

The plugin 'XPATH' is a 'question type' plugin. With the help of this plugin, a question can be created which checks the correctness of xpath query uploaded by student against the xpath query uploaded by teacher or test creator. The creator of the question can supply one xml for each question and can also supply grades for the questions.

Evaluation Technique: The plugin checks the correctness of xpath query submitted by student against the xpath query given by teacher. The plugin runs both the queries on the xml file and compares the result.

Login

Login to Moodle:



xml

Username

Password

☐ Remember username

[Forgotten your username or password?](#)

Cookies must be enabled in your browser [?](#)

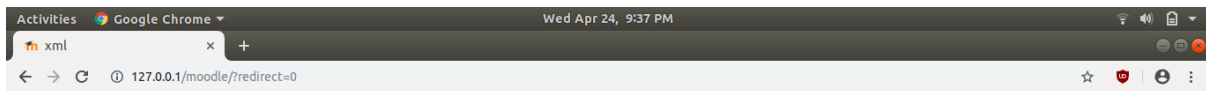
Some courses may allow guest access

[Log in](#)

[Log in as a guest](#)

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

Click on the Course



xml

Available courses

[DBMS](#)

You are logged in as [Admin User](#) ([Log out](#))

moodle

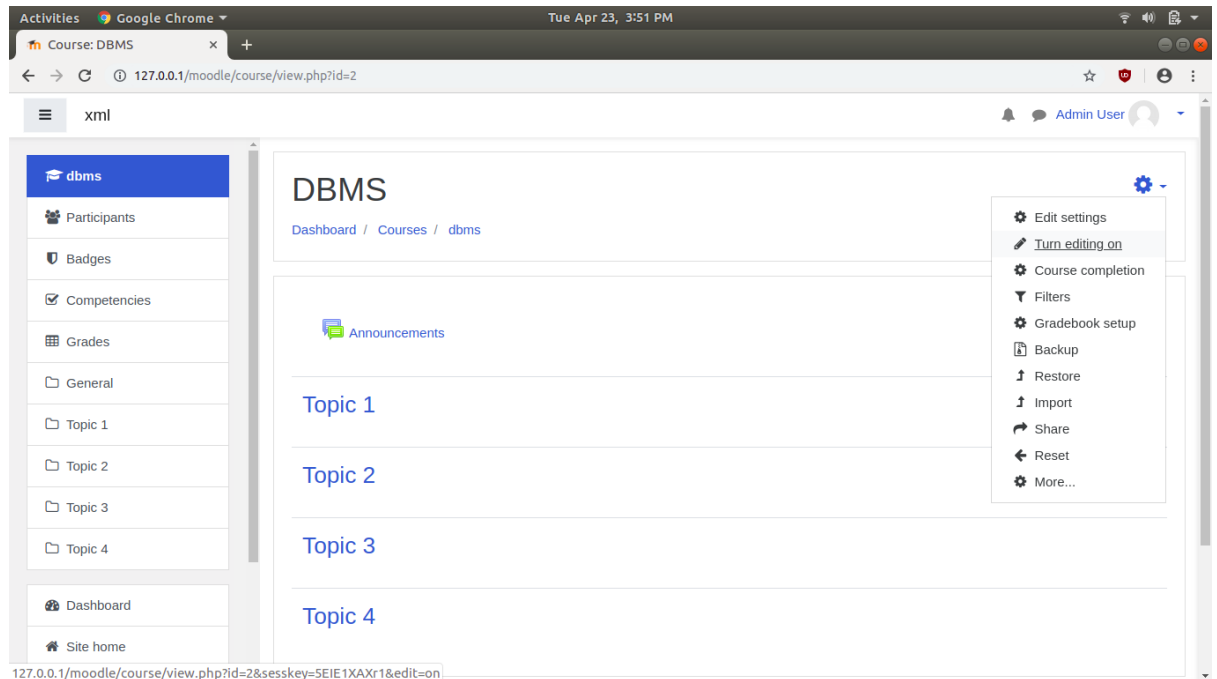
[Data retention summary](#)

[Purge all caches](#)

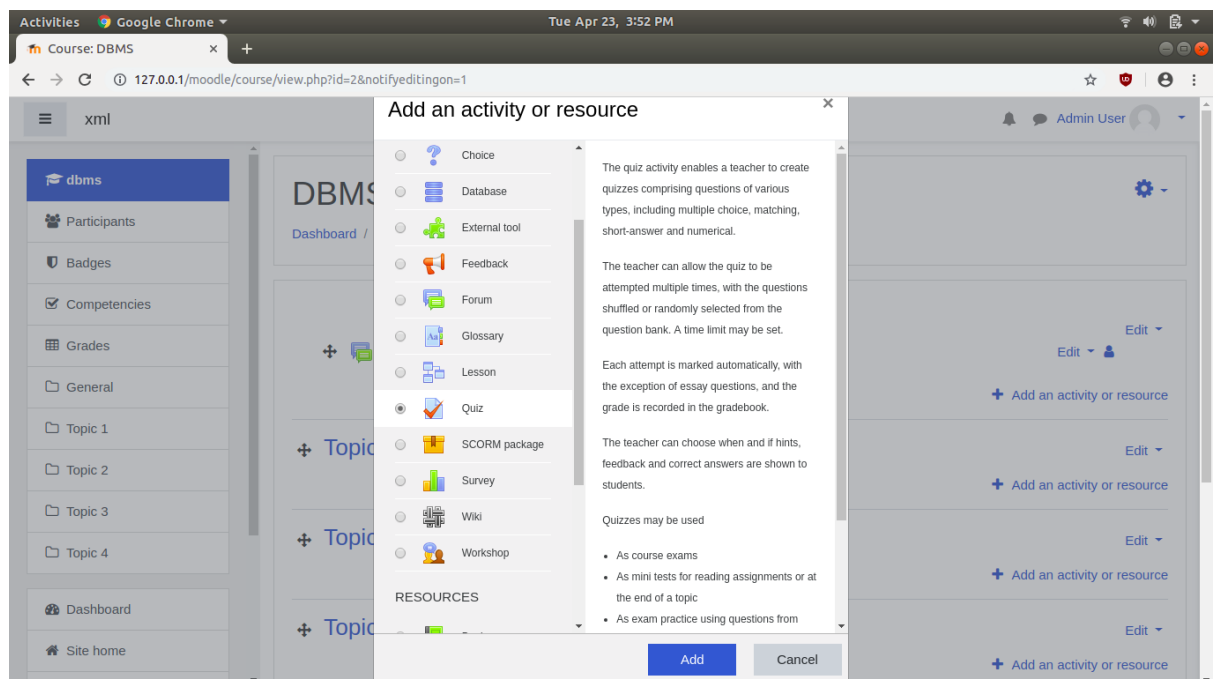
Creating the “XPath” question

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 'Adding a new Quiz' interface. On the left is a sidebar with a menu containing 'dbms', 'Participants', 'Badges', 'Competencies', 'Grades', 'General' (highlighted), '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 / My courses / dbms / General / Adding a new Quiz'. Below the header is a section titled 'Adding a new Quiz' with a sub-section 'General'. The 'Name' field contains 'XML' and has a red error icon. The 'Description' field contains 'XML QUIZ' and has a rich text editor toolbar above it. A right-hand button says 'Expand all'.

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

The screenshot shows the 'XML QUIZ' page. The sidebar is identical to the previous screenshot. The main content area has a header 'dbms' with a breadcrumb trail: 'Dashboard / My courses / dbms / General / XML'. Below the header is a section titled 'XML QUIZ' with a settings gear icon. The text 'Grading method: Highest grade' is displayed. A red message box states 'No questions have been added yet'. Below the message are two buttons: 'Edit quiz' and 'Back to the course'. At the bottom, there is a 'Jump to...' dropdown menu.

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

The screenshot shows the 'Editing quiz: XML' interface. The left sidebar contains a navigation menu with 'dbms' selected. The main content area displays the quiz title 'dbms' and 'Editing quiz: XML'. It includes fields for 'Maximum grade' (10.00) and 'Total of marks: 0.00'. A 'Shuffle' button is visible. A dropdown menu is open, showing options: '+ a new question', '+ from question bank', and '+ a random question'.

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

The screenshot shows the 'Choose a question type to add' dialog box. The dialog lists various question types: Drag and drop onto image, Embedded answers (Cloze), Gapfill, liitbsql, Pattern match, Random short-answer matching, Reverse pattern match, Select missing words, xmlwellform, and xpath. The 'xpath' option is selected. The 'Add' button is highlighted.

7. Enter the appropriate question name and question description.

The screenshot shows the 'Adding a xpath question' form in the dbms course. The left sidebar contains a menu with '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 'dbms' and shows a breadcrumb trail: 'Dashboard / My courses / dbms / General / XML / Question bank / Questions / Editing a xpath question'. The form is titled 'Adding a xpath question' and has an 'Expand all' link. Under the 'General' section, there are three fields: 'Category' (set to 'Default for dbms (1)'), 'Question name' (set to 'XPath'), and 'Question text' (set to 'XPath').

8. Enter xpath query in xpath field and xml text in XML_FILE field . Add the XML file without “<?xml version=“1.0”?>” line. Add the grades. Click on “Save Changes”.

The screenshot shows the 'Adding a xpath question' form with the 'Answers' section expanded. The left sidebar is the same as in the previous screenshot. The main content area shows the 'Answers' section with the following fields: 'ID number' (empty), 'Case sensitivity' (set to 'No, case is unimportant'), 'xpath' (empty), 'XML_File' (empty), 'Grade' (set to 'None'), and 'Feedback' (empty). There is a 'Blanks for 1 more choices' button. The 'Multiple tries' section is also visible.

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

xml

dbms

Participants

Badges

Competencies

Grades

General

Topic 1

Topic 2

Topic 3

Topic 4

Dashboard

Site home

dbms

[Dashboard](#) / [My courses](#) / [dbms](#) / [General](#) / [XML](#) / [Edit quiz](#)

Editing quiz: XML

Questions: 1 | This quiz is open

Maximum grade 10.00

Save

Repaginate

Select multiple items

Total of marks: 1.00

Page 1

1 Xpath XPath

1.00

Shuffle

Add

Add