

# **XML WELL- FORMEDNESS**

---

**Question Type Plugin for LMS – User  
Doc**

---

**PRASHANT SANGTANI  
MT2018082**

**SAGAR JHUNJHUNWALA  
MT2018097**

**SHUBHAM DAROKAR  
MT2018113**

---

## Table of Contents

XML WELL-FORMEDNESS – Plugin Overview.....	3
Login .....	4
Creating the “XML WELL-FORMEDNESS” question.....	5
Creating the question in LMS: Steps and Screenshots.....	5

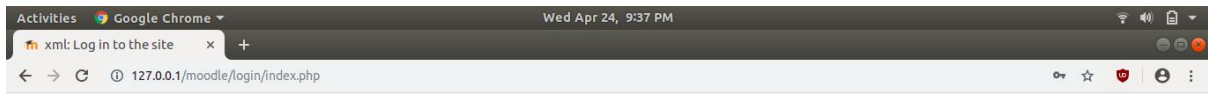
## **XML WELL-FORMEDNESS – Plugin Overview**

The plugin 'XML WELL-FORMEDNESS' is a 'question type' plugin. With the help of this plugin, a question can be created which checks the well-formedness of xml file uploaded by student. The creator of the question does not have to provide any solution, they only have to provide the grades.

**Evaluation Technique:** The plugin checks the well-formedness of XML file submitted by student.

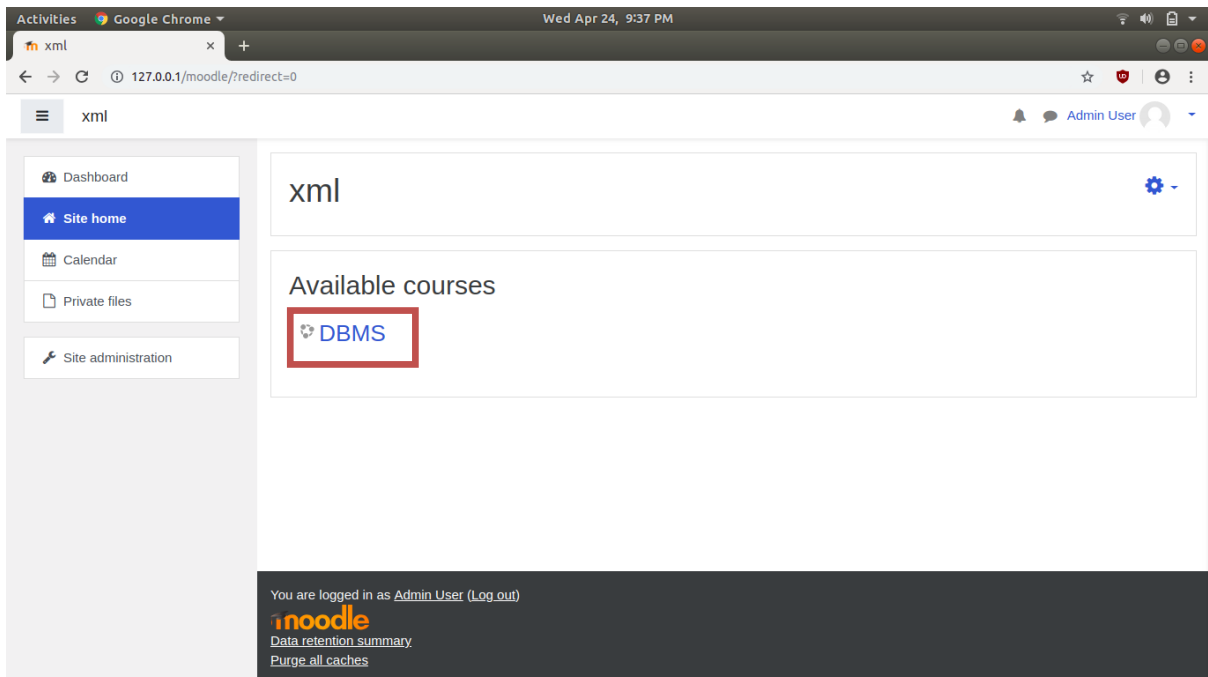
# Login

Login to Moodle:

A screenshot of the Moodle login form for a course named 'xml'. The form is centered on the page and has a light gray background. It contains the following elements: a 'Username' input field, a 'Password' input field, a checkbox labeled 'Remember username', a blue 'Log in' button, and a gray 'Log in as a guest' button. To the right of the form, there are links for 'Forgotten your username or password?' and a message about cookies: 'Cookies must be enabled in your browser'. Below the cookie message, it says 'Some courses may allow guest access'.

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

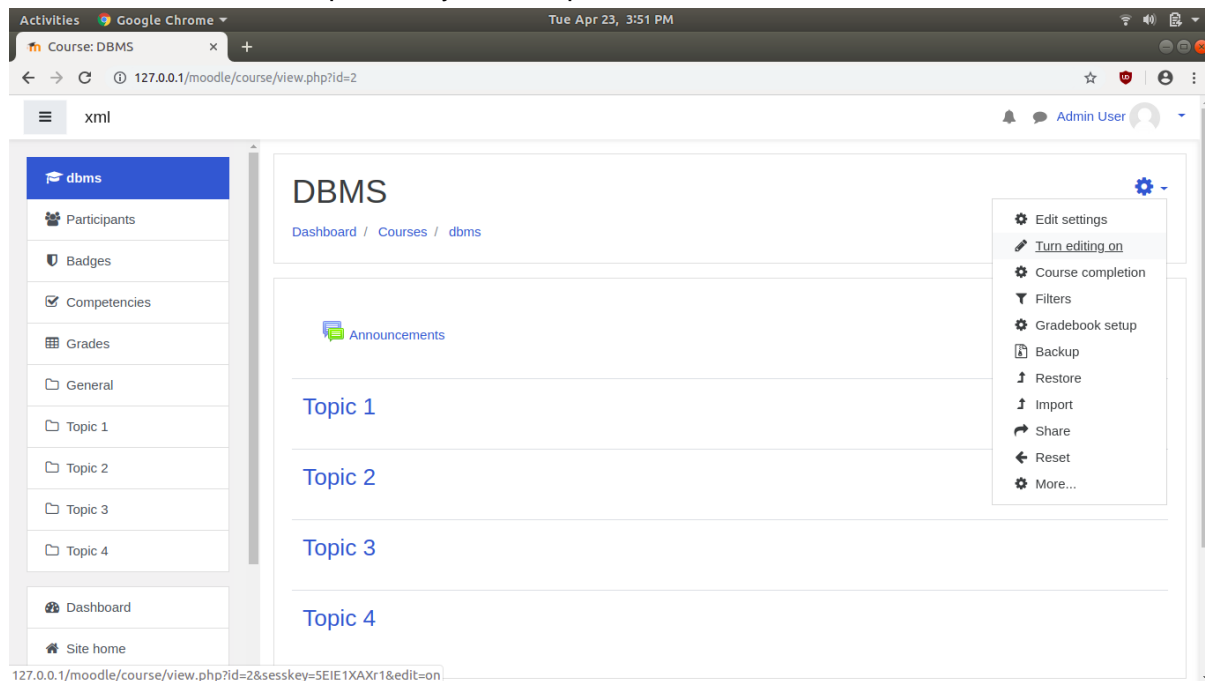
Click on the Course



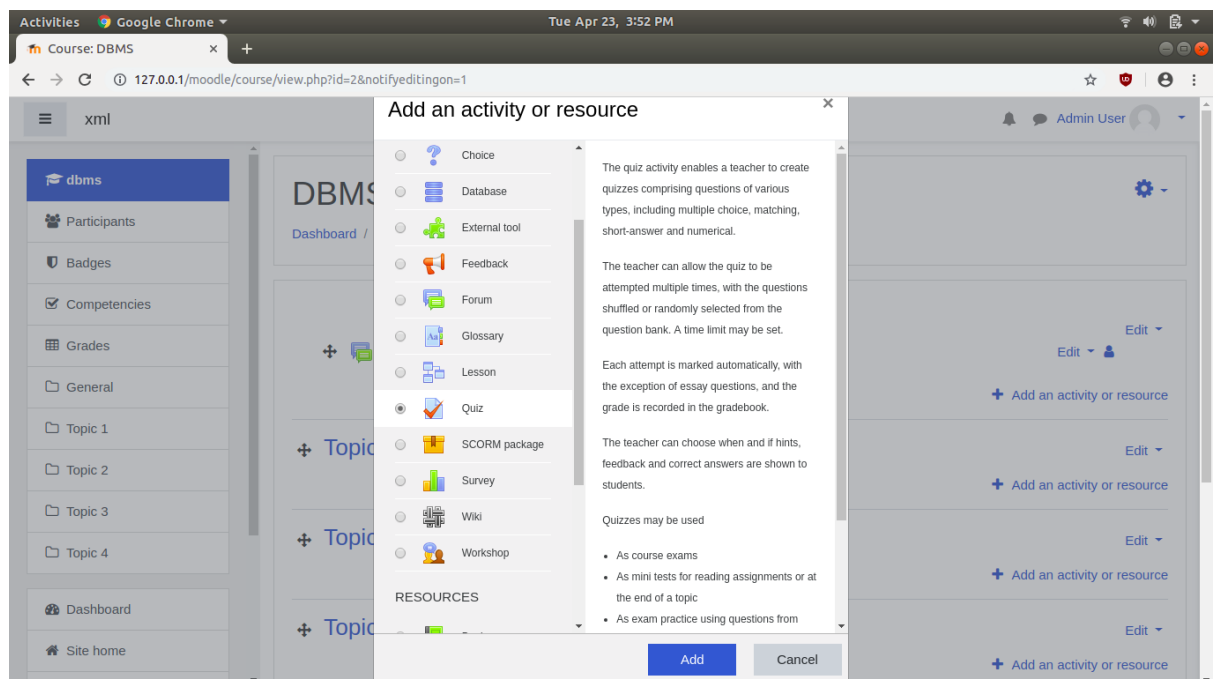
# Creating the “XML WELL-FORMEDNESS” question

## 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 blue question mark icon and an 'Expand all' link. Under the 'General' tab, there is a 'Name' field with a red warning icon and the text 'XML'. Below it is a 'Description' field with a rich text editor toolbar (containing icons for undo, redo, bold, italic, bulleted list, numbered list, link, unlink, image, video, audio, and document) and the text 'XML QUIZ'.

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' with a settings gear icon. Under 'XML' is the text 'XML QUIZ'. Below that is the text 'Grading method: Highest grade'. A red notification box states 'No questions have been added yet' with a close 'x' button. Below the notification 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. 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 / XML / Edit quiz'. Below this, the title 'Editing quiz: XML' is followed by 'Questions: 0 | This quiz is open'. To the right, there's a 'Maximum grade' field set to '10.00' and a 'Save' button. Below that, a 'Total of marks: 0.00' is shown. A 'Shuffle' button with a dropdown arrow is also present. A dropdown menu is open, showing three options: '+ a new question', '+ from question bank', and '+ a random question'. At the bottom, there's a 'Jump to...' search bar.

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

The screenshot shows a modal dialog box titled 'Choose a question type to add'. It contains a list of question types with radio buttons next to them. The 'xmlwellform' option is selected. The list includes: 'answers (Cloze)', 'Gapfill', 'iiitbsql', 'Pattern match', 'Random short-answer matching', 'Reverse pattern match', 'Select missing words', 'xmlvalidator', 'xmlwellform', 'xquery', 'xsdvalidator', and an 'OTHER' section with a 'Description' option. A description for 'xmlwellform' is visible on the right: 'Checks the well-formedness of XML documents'. At the bottom of the dialog are 'Add' and 'Cancel' buttons.

7. Enter the appropriate question. Enter the marks and select the grade option as “100%”. Click on “Save Changes”. Add a ‘-’ to Answer field.

The screenshot shows the 'xml' quiz editing page. On the left is a sidebar with a menu: 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 top bar with 'xml' and a user profile 'Shubham Darokar'. Below this, there are fields for 'ID number' and 'Case sensitivity' (set to 'No, case is unimportant'). The 'Answers' section is expanded, showing an 'Answer' field with a hyphen '-' and a 'Grade' dropdown set to '100%'. Below the answer field is a rich text editor for 'Feedback' with various formatting icons. A blue button below the editor says 'Blanks for 1 more choices'. At the bottom, there are links for 'Multiple tries' and 'Tags'.

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

The screenshot shows the 'Editing quiz: xml' page. The sidebar is the same as in the previous image. The main content area has a header 'dbms' with a breadcrumb trail: 'Dashboard / My courses / dbms / General / xml / Edit quiz'. Below the header, it says 'Editing quiz: xml' and 'Questions: 1 | This quiz is open'. On the right, there are fields for 'Maximum grade' (10.00) and a 'Save' button. Below these, it says 'Total of marks: 1.00'. There are two buttons: 'Repaginate' and 'Select multiple items'. The main area shows 'Page 1' with a list of questions. The first question is '1 xml well-formedness xml well formedness' with a grade of '1.00'. There is a 'Shuffle' button and an 'Add' button next to the question list.