

<b>Requirement</b>	The mechanism for checking the test generator rules before editing questions in question pools
<b>Author</b>	YouTestMe
<b>Confidentiality</b>	Public
<b>Last save date</b>	Friday, April-08-2022 at 3:57:00 PM

## Table of Contents

1	Introduction .....	2
2	Creating a questions category .....	2
3	Enabling the integrity check for generated tests .....	2
4	Creating a question pool .....	4
5	Creating questions in the question pool .....	5
6	Creating a test.....	5
7	Confirmation that the requirement is met.....	6

## 1 Introduction

This article explains how to confirm if the following requirement is well implemented:

- **The mechanism for checking the test generator rules before editing questions in question pools.**

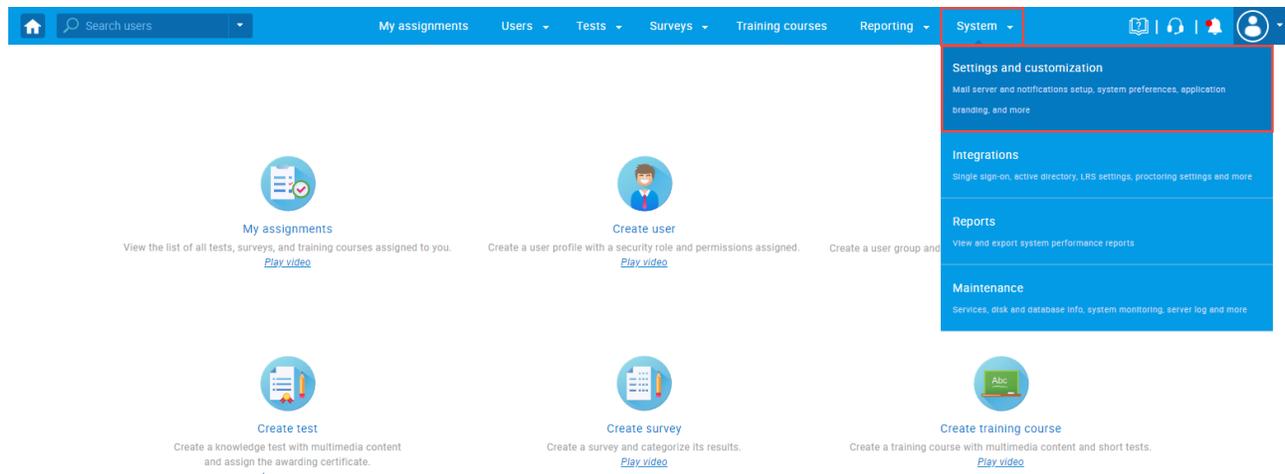
## 2 Creating a questions category

Firstly create a category and its values. A detailed explanation of how to do it can be found on this [link](#).

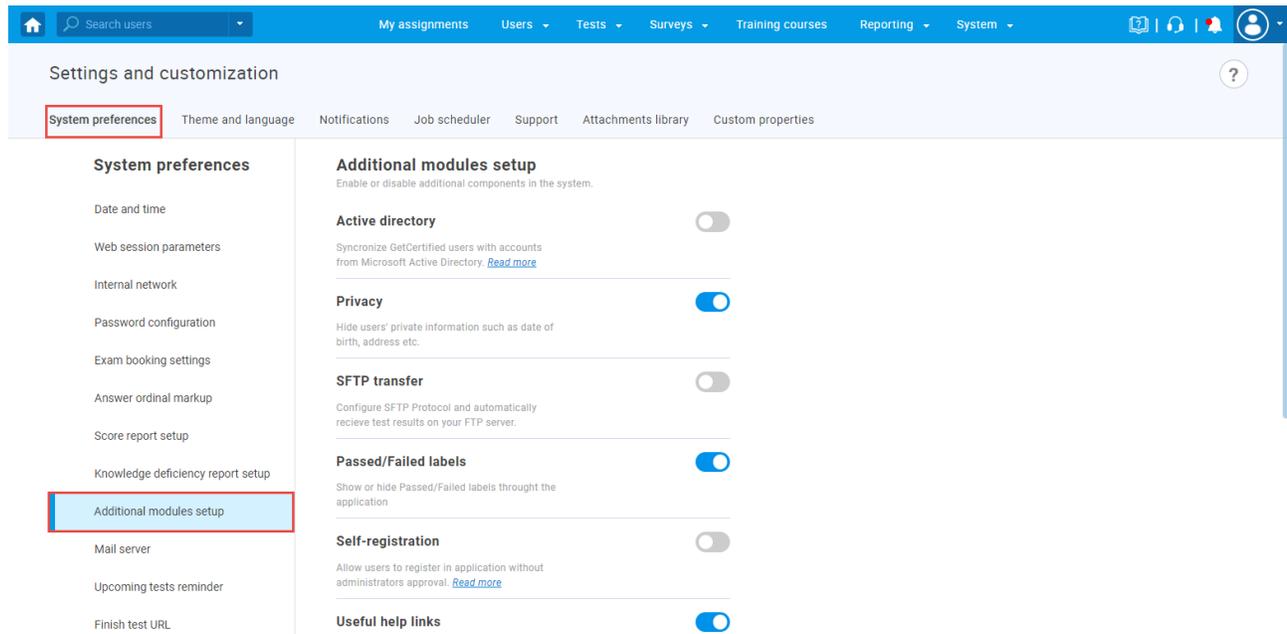
YTM's suggestion is to create a new question category for testing purposes since it will be easier to follow to which questions the category values are added and if the feature works properly.

## 3 Enabling the integrity check for generated tests

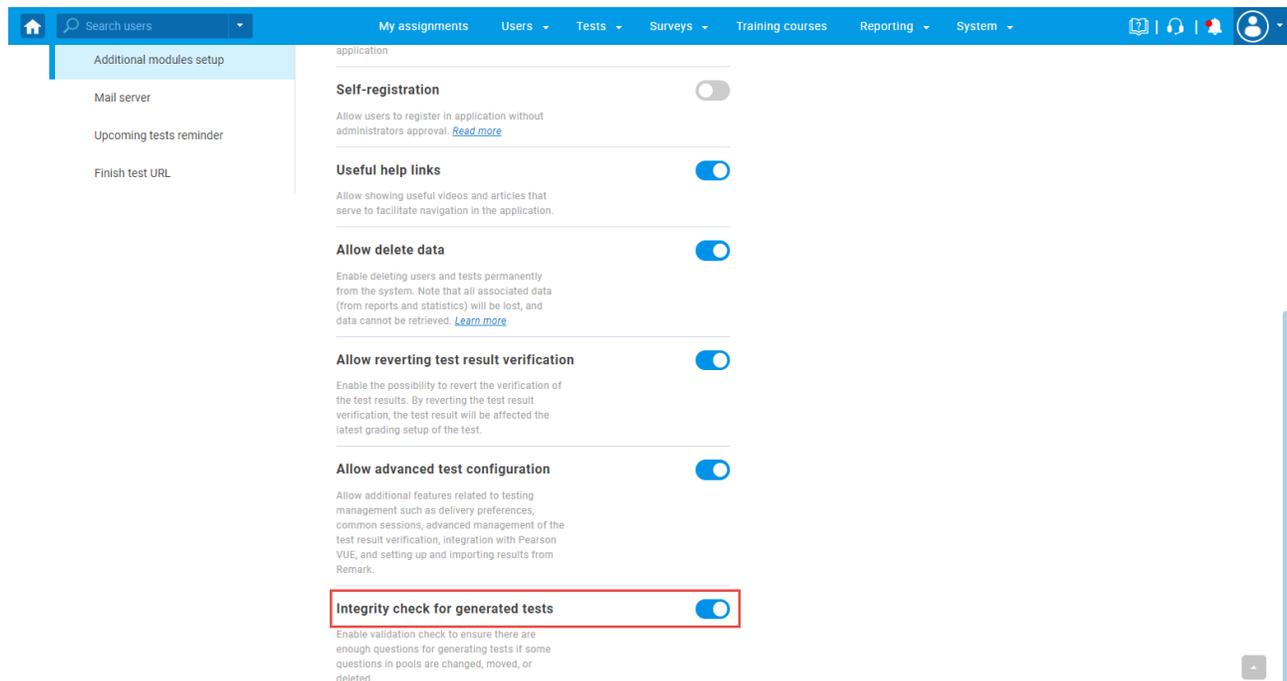
Hover over the "System" section in the main menu, then select "Settings and customization".



Under the "System preference" panel, select "Additional modules setup".



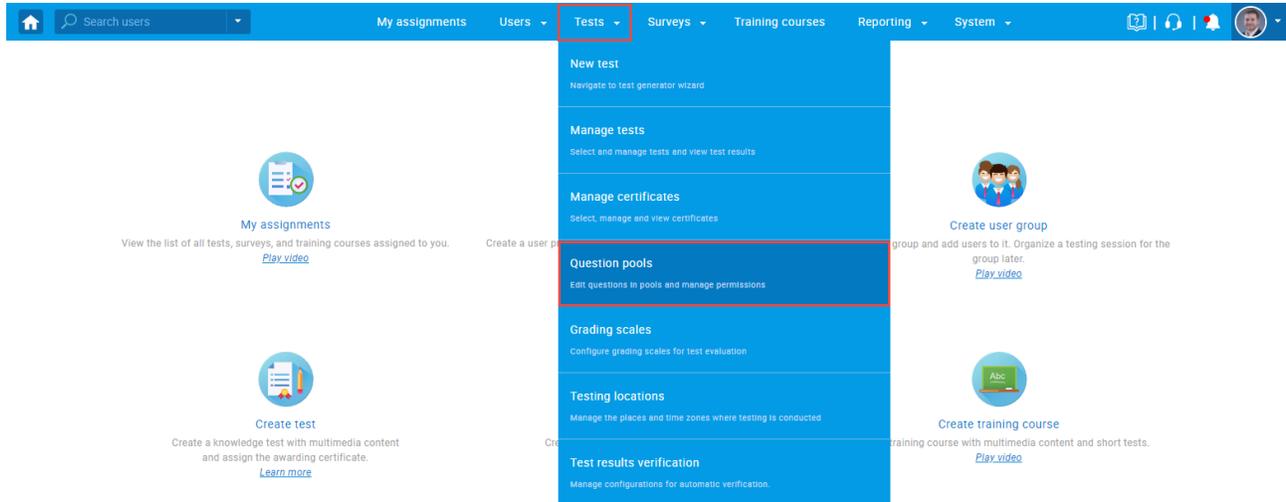
Enable the "Integrity check for generated tests" option.



In this way, you will enable validation check to ensure there are enough questions for generating tests if some questions in pools are changed, moved, or deleted.

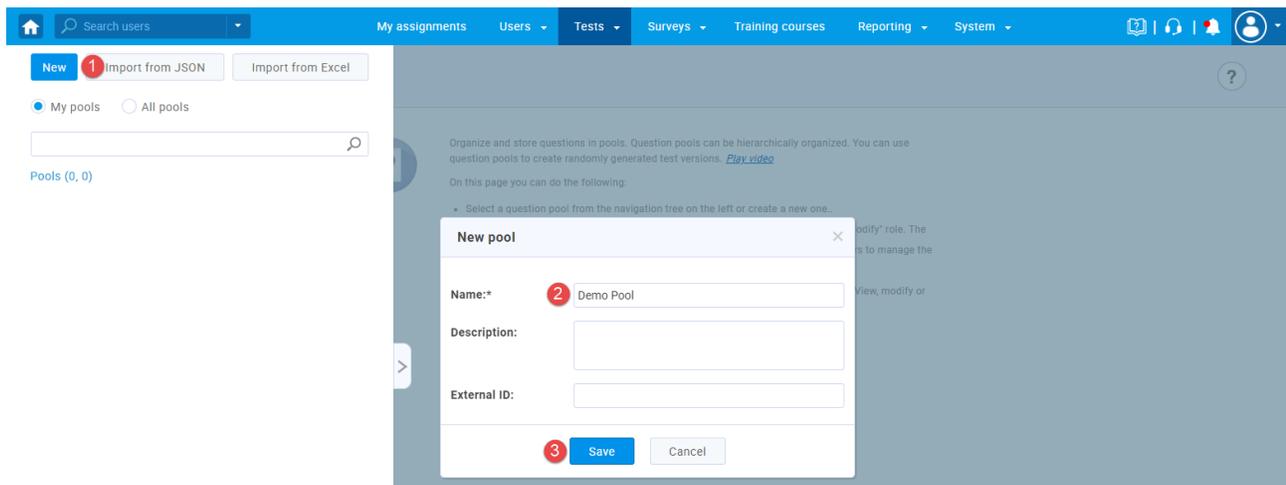
## 4 Creating a question pool

After creating a category, hover over to the **"Tests"** section in the main menu, then select the **"Question pools"**.



Create a new pool:

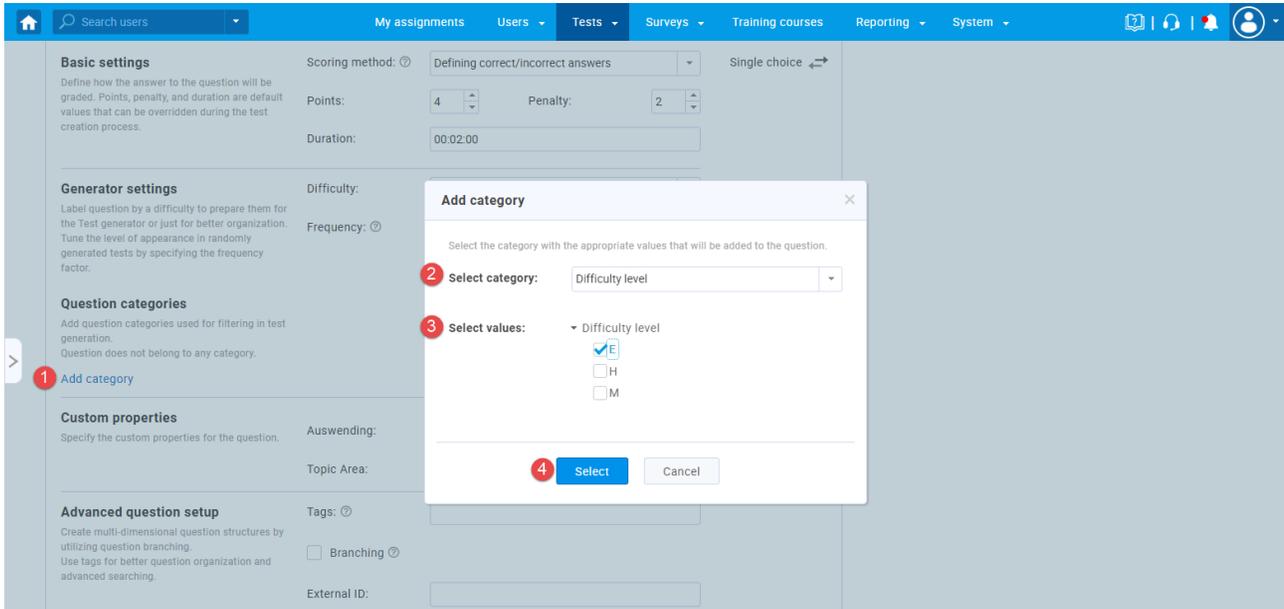
1. In the left side menu, click the **"New"** button.
2. Enter a pool name.
3. Click the **"Save"** button.



## 5 Creating questions in the question pool

Create a sample question. While creating questions, it is necessary to add previously created category value:

1. Click the **"Add category"** button.
2. Choose the desired category from the dropdown menu.
3. Select the desired category value.
4. Click the **"Select"**.



## 6 Creating a test

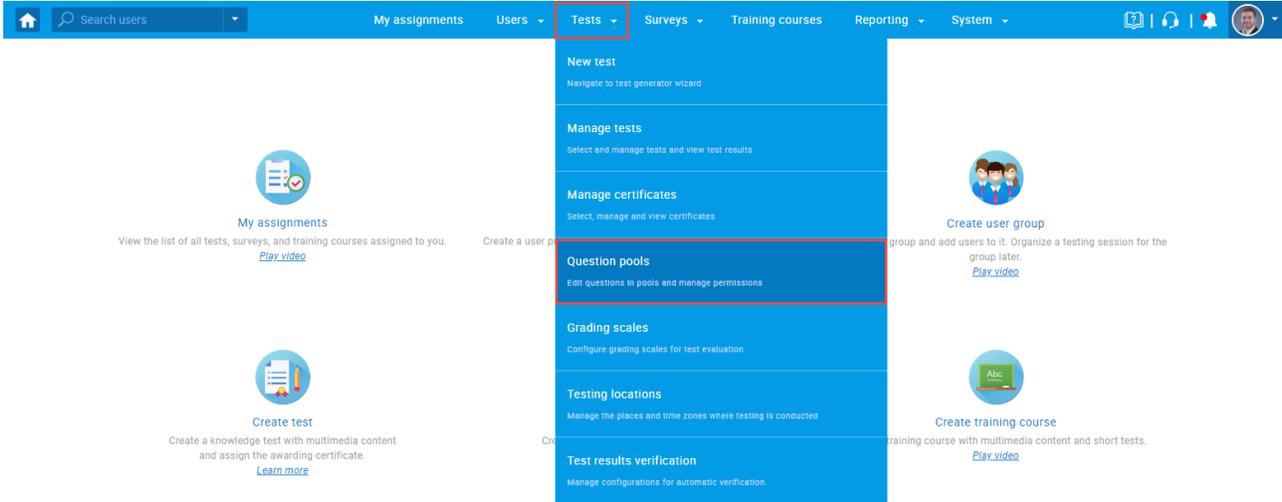
The next step is to create a test that contains a newly created question pool.

For more information on creating generated tests based on question categories, you can check this [link](#) (Chapter named **"Test creation process"**).

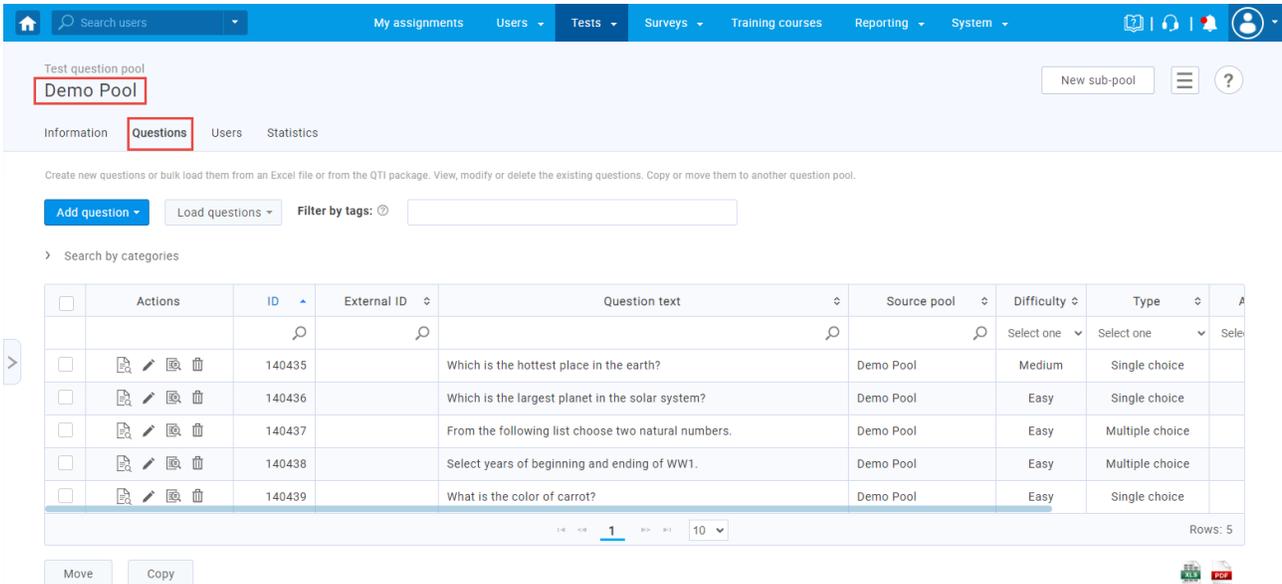
YTM's suggestion is to assign to the test the maximum number of available questions with the assigned category since the testing will be easier.

## 7 Confirmation that the requirement is met

Once the test is created, hover over to the "Tests" section in the main menu, then select the "Question pools".



Open the desired question pool, then navigate to the "Questions" tab.



Click the pencil icon to edit the desired question.

Test question pool  
Demo Pool

Information **Questions** Users Statistics

Create new questions or bulk load them from an Excel file or from the QTI package. View, modify or delete the existing questions. Copy or move them to another question pool.

**Add question** Load questions Filter by tags

Search by categories

Actions	ID	External ID	Question text	Source pool	Difficulty	Type
	140435		Which is the hottest place in the earth?	Demo Pool	Medium	Single choice
	140436		Which is the largest planet in the solar system?	Demo Pool	Easy	Single choice
	140437		From the following list choose two natural numbers.	Demo Pool	Easy	Multiple choice
	140438		Select years of beginning and ending of WW1.	Demo Pool	Easy	Multiple choice
	140439		What is the color of carrot?	Demo Pool	Easy	Single choice

Rows: 5

Move Copy

Edit the category value assigned to the question. In this example, the value is changed from "Easy" to "Medium".

Click the "Save" button at the bottom of the page to save the changes. There should be an error message in the top right corner of the screen that the test integrity is breached. The question change cannot be saved.

You will be able to see the question ID where the change cannot be applied, as well as the name of the test(s) where the question is used.

Remove picture

Answers Correct

A Spain

Add feedback for this answer  Second try

B Ethiopia

Add feedback for this answer

C Brasil

Add feedback for this answer  Second try

D Egypt

Add feedback for this answer  Second try

**Add answer**

Answer generator

**Assistance**  
Define the optional assistance that will make answering the question easier. If the candidate chooses to use the assistance, a penalty will be applied to the question score. If you define the assistance to the question where the branching is allowed, the branching option will be disabled.

Add assistance

**Save** Cancel

The change cannot be applied. Test(s) integrity was breached due to an attempt to change, delete, or move question(s) with ID(s) [140435]. Test(s) affected: [Demo test].

**Useful notes:**

- The integrity check is applied for all generated tests – generated based on categories as well as generated based on difficulties. You can test this feature in the same way for tests generated based on difficulties by trying to change the question difficulty.
- If the test is created not to include branching questions and questions with the scoring method "By answer weight" ("Allow different points in versions" option is not enabled during the test creation process), those questions will not be included when generating a test, and also you will not be able to add branching when editing question nor to change the scoring method to "By answer weight" – you will get the same notification that the test integrity is breached and the changes cannot be applied.
- In the same way, as for the question editing, you will not be able to move questions to another pool or delete questions if the test integrity is breached - you will get the same error message.