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

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Settings and customization				?
System preferences Theme and language	Notifications Job scheduler Support Attachm	ents library Custom properties		
System preferences	Additional modules setup Enable or disable additional components in the system.			
Date and time	Active directory			
Web session parameters	Syncronize GetCertified users with accounts from Microsoft Active Directory. <u>Read more</u>			
Internal network	Privacy			
Password configuration	Hide users' private information such as date of birth, address etc.			
Exam booking settings	SFTD transfor			
Answer ordinal markup	Configure SFTP Protocol and automatically			
Score report setup	recieve test results on your FTP server.			
Knowledge deficiency report setup	Passed/Failed labels Show or hide Passed/Failed labels throught the			
Additional modules setup	application			
Mail server	Self-registration			
Upcoming tests reminder	aliow users to register in application without administrators approval. <u>Read more</u>			
Finish test URL	Useful help links			

#### Enable the "Integrity check for generated tests" option.

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Additional modules setup	application	
Mail server	Self-registration	
Upcoming tests reminder	Allow users to register in application without administrators approval. <u>Read more</u>	
Finish test URL	Useful help links	
	Allow showing useful videos and articles that serve to facilitate navigation in the application.	
	Allow delete data	
	Enable deleting users and tests permanently from the system. Note that all associated data	
	(from reports and statistics) will be lost, and data cannot be retrieved. <u>Learn more</u>	
	Allow reverting test result verification	
	Enable the possibility to revert the verification of the teat results. By reverting the test result verification, the test result will be affected the latest grading setup of the test.	
	Allow advanced test configuration	
	Allow additional features related to testing management such as delivery preferences, common sessions, advanced management of the test result verification, integration with Pearson VUE, and setting up and importing results from Remark.	
	Integrity check for generated tests	
	Enable validation check to ensure there are enough questions for generating tests if some	_
	questions in pools are changed, moved, or deleted.	

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.

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# 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".

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	Basic settings Define how the answer to the question will be graded. Points, penalty, and duration are default values that can be overridden during the test creation process.	Scoring method: ③ Points: Duration:	Defining correct/incorrect 4   Pena 00:02:00	ict answers v lity: 2 *	Single choice д		
	Generator settings Label question by a difficulty to prepare them for the Test generator or just for better organization. Tune the level of appearance in randomly generated tests by specifying the frequency factor.	Difficulty: Frequency: ⑦	Add category Select the category wit	h the appropriate values that will Difficulty level	be added to the question.	×	
>	Question categories           Add question categories used for filtering in test generation.           Question does not belong to any category.           Add category		3 Select values:	<ul> <li>▼ Difficulty level</li> <li>✓ E</li> <li>→ H</li> <li>→ M</li> </ul>			
	Custom properties Specify the custom properties for the question.	Auswending: Topic Area:	4	Select		-	
	Advanced question setup Create multi-dimensional question structures by utilizing question branching. Use tags for better question organization and advanced searching.	Tags: ⑦ Branching ⑦ External ID:					

### 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 <u>link</u> (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"**.

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

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Click the pencil icon to edit the desired question.

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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.

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#### **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.