



مركز تطوير المحتوى الرقمي
Digital Content Development Center



CREATING POOLS IN BLACKBOARD LMS FOR FACULTY MEMBERS



عمادة تقنية المعلومات والتعليم عن بعد
IT & DISTANCE LEARNING DEANSHIP



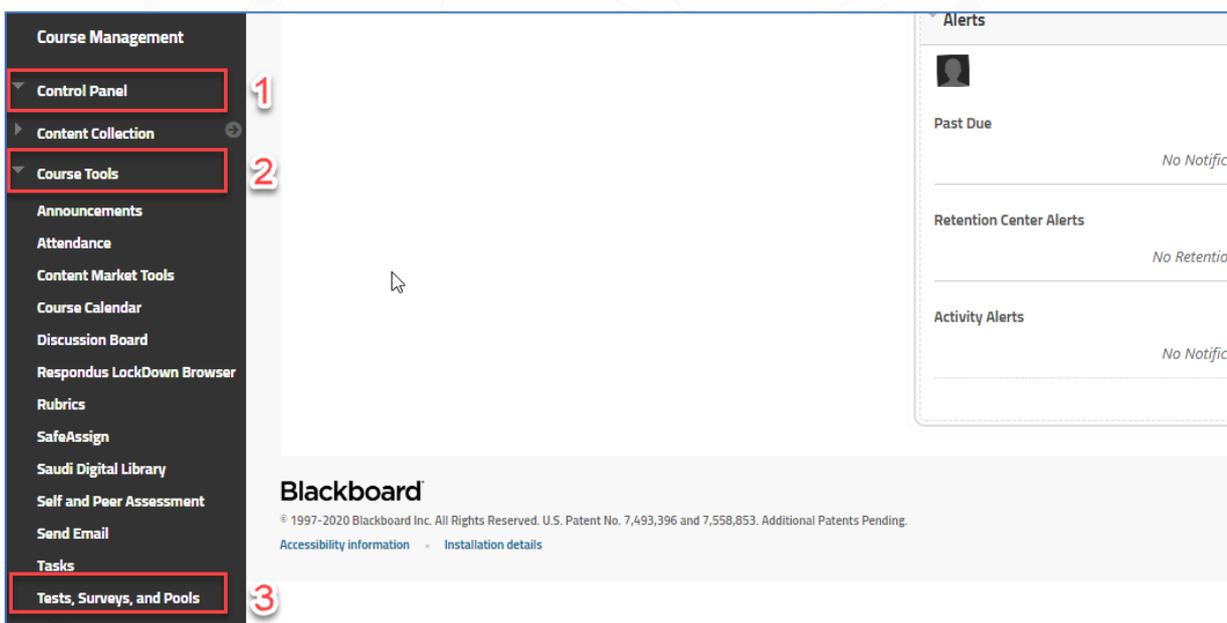
جامعة الأمير سattam بن عبد العزيز
Prince Sattam Bin Abdulaziz University

Creating Pools

Question Banks: are a store for questions, in which question groups can be added and re-used in any exam or questionnaire.

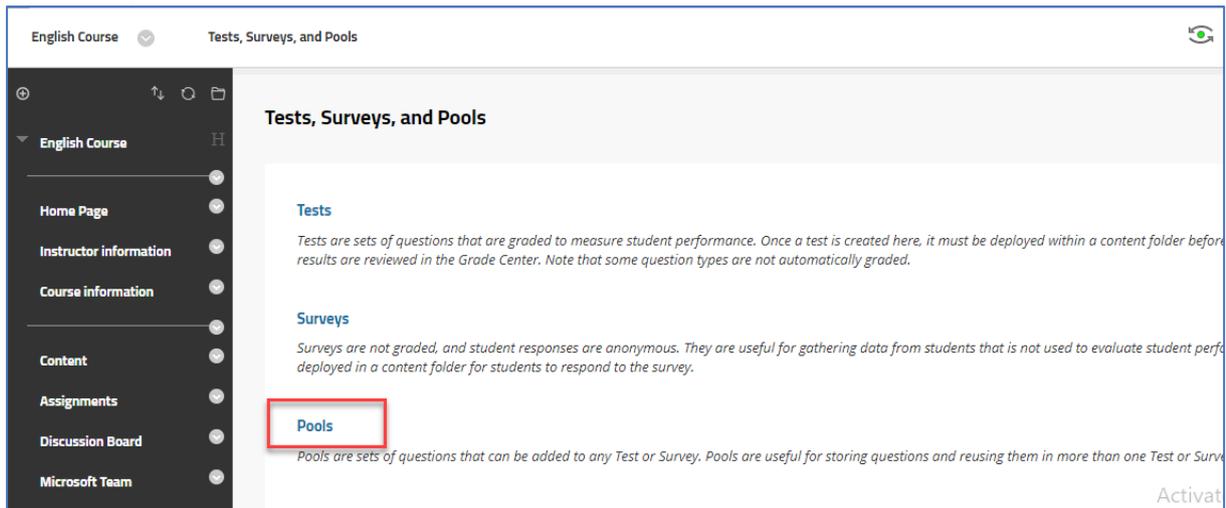
How to create and use Question Banks?

First: creating Question Banks using Blackboard System.

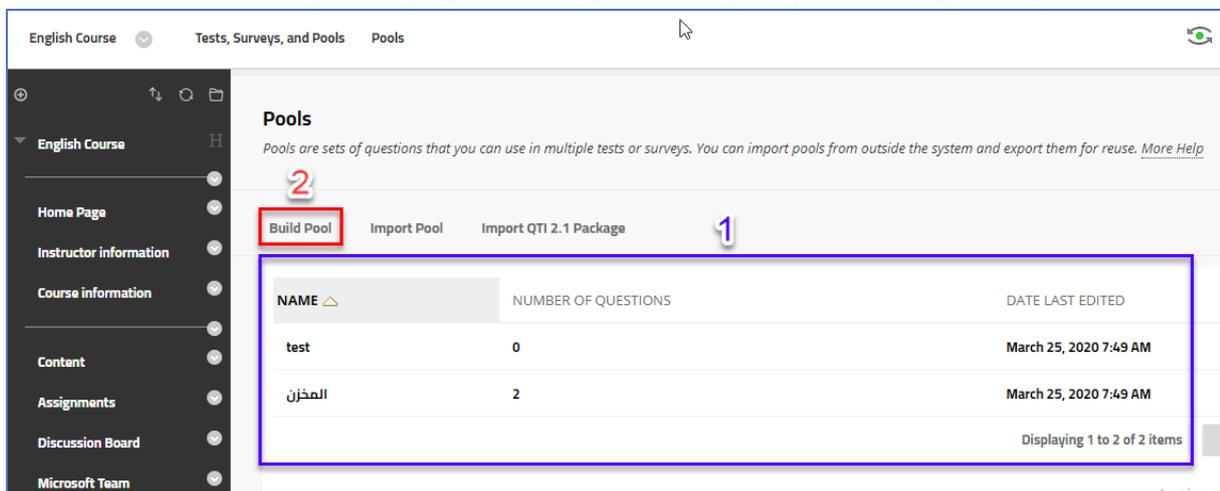


Through your course page: expand **"Control Panel" (1)**

Then, from **"Course Tools" (2)** menu, choose **"Tests, Surveys and Pools" (3)**.



You will see three choices, choose "Pools".



After that, the Pools page will appear.

- If you or one of your colleagues have created Pools before, they will appear in the **blue box (1)**.
- In the sub menu, you will see three choices to create Pools: **Build Pool**, **Import Pool**, and **Import QTI 2.1 Package**. Here we begin with first choice "**Build Pool**" (2).

In the pool page includes its information, please fill the following:

English Course Tests, Surveys, and Pools Pools Pool Information

Pool Information
Type a **Name** for the pool. This is a required field. Use a descriptive name to identify the pool. [More Help](#)

* Indicates a required field.

POOL INFORMATION

Name

Description

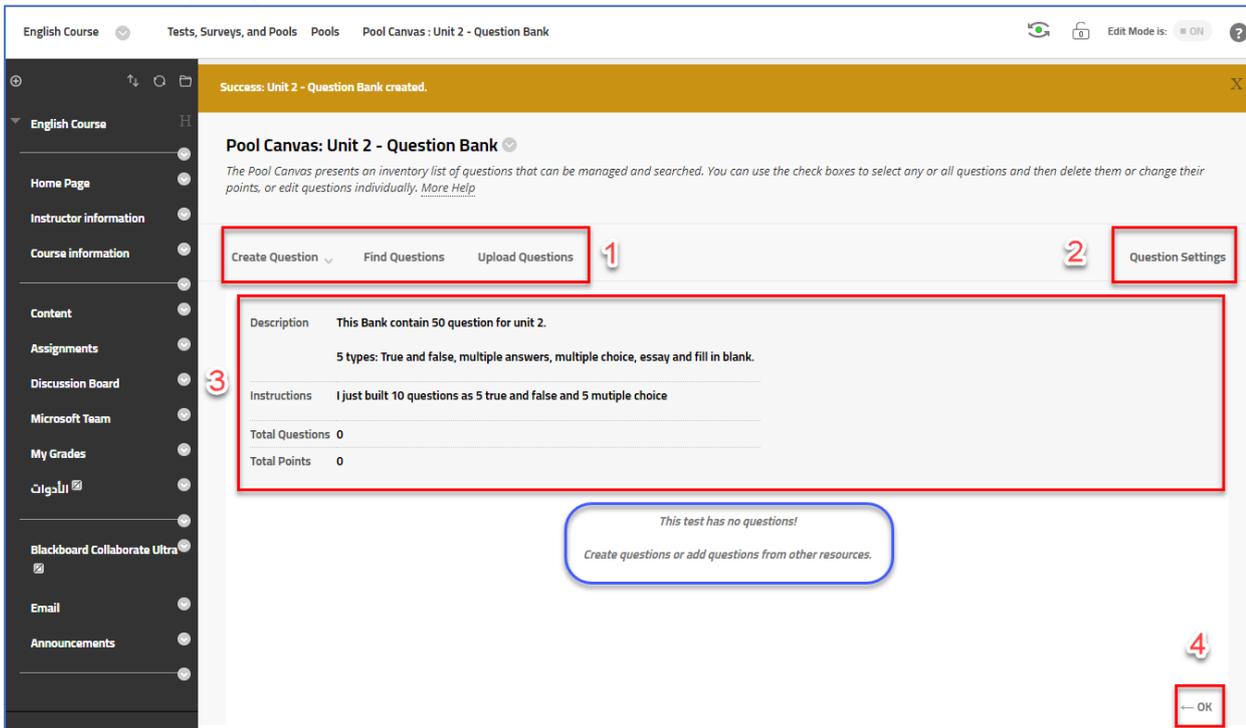
Instructions

Click **Submit** to proceed.

Activate Windows
Go to Settings to activate Windows

- Write a suitable **Name** for the Pool (1).
- Write a suitable **Description** for the Pool (2).
- Write a suitable use **Instructions** (3).
- Click on **"Submit"** (4).

The **orange box** indicates that the Question Bank is created successfully.



The Pool doesn't contain any question as shown in the **blue box**.

- You can create or add question as mentioned in the Tests Guide from the following choices "Create question/Find questions/Upload questions" (1).
- You can change questions settings from "Question Settings" (2).
- Box number (3) shows the Pool's description, instruction, total of questions and total of points.
- By clicking on "Ok", you can go to Pool page and review it (4).

Let's assume that you have added or created ten true or false, and multiple choice questions.

After adding the question, you can control the Question Bank as follows:

The screenshot shows the 'Criteria Summary' page for a question bank. At the top, it displays 'Total Questions 10' and 'Total Points 0'. A search bar with 'Search current results:' and a 'Go' button is highlighted with a red box and a '1'. On the left, the 'Browse Criteria' section has a 'Question types' dropdown menu with 'All Pool Questions', 'Multiple Choice', and 'True/False' options, highlighted with a red box and a '2'. The main table lists 10 questions with columns for 'QUESTION TEXT', 'QUESTION TYPE', and 'DEFAULT POINTS'. A red box highlights the 'Delete', 'Points', 'Update', and 'Question Display' buttons for the first question, with a '3' next to it. The table contains the following data:

QUESTION TEXT	QUESTION TYPE	DEFAULT POINTS
The substances that are the result of a chemical reaction are called	True/False	0
"After a chemical reaction, the properties of the products are:"	True/False	0
A precipitate is a	True/False	0
The part of the atom involved in chemical bonding is the	True/False	0
Black and white mixed together to give a gray color.	True/False	0
The substances that enter a chemical reaction are called	Multiple Choice	0
A substance that is used to speed up a chemical reaction but is not used as p...	Multiple Choice	0
A precipitate is a	Multiple Choice	0
The part of the atom involved in chemical bonding is the	Multiple Choice	0
Solar system contain plants.	Multiple Choice	0

1. Search for specific type of questions (1).
2. View specific type of questions (2).
3. Create filter and add points for the questions (3).

The three points will be explained further.

1- Search

The screenshot displays a search interface for a question pool. At the top, it shows 'Total Questions 10' and 'Total Points 0'. A search bar contains 'Search current results:' followed by a 'Go' button (1). Below the search bar, the 'Criteria Summary' section shows 'Question types All Pool Questions' and search terms 'chemical' and 'bonding' (3). The search results are displayed in a table (2) with columns for 'QUESTION TEXT', 'QUESTION TYPE', and 'DEFAULT POINTS'. The table contains two rows of results, both with a default point value of 0. The first row is a 'True/False' question, and the second is a 'Multiple Choice' question. Both rows have a 'Delete' button and a 'Points' input field. The interface also includes a 'Browse Criteria' section on the left with 'Question types' and 'All Pool Questions' selected.

- Write the word you want to search for, either it was in the question, choices or answer, then click on **"Go" (1)**.
- The question that include the word will appear in box **(2)**.
- Click on **✖** beside the word to view all questions in the Pool again **(3)**.

2- View the questions

Criteria Summary

Question types: True/False

Displaying 1 to 5 of 5 items

1 View ▾ Reset to Default

2

3

QUESTION TEXT	QUESTION TYPE	DEFAULT POINTS
The substances that are the result of a chemical reaction are called	True/False	0
"After a chemical reaction, the properties of the products are:"	True/False	0
A precipitate is a	True/False	0
The part of the atom involved in chemical bonding is the	True/False	0
Black and withe mixed together to give a gray color.	True/False	0

Activate Windows
Displaying 1 to 5 of 5 items

- From **Browse Criteria** area, click on arrow ▾ beside **Question types** to expand all question types in this Pool (1).
- Chose type of questions by checking the box beside it. e.g. **"True/False"** (2).
- Only the True/False question type will appear in this Pool (3).
- When choosing **"All Pool questions"** in the **Browse Criteria** area or unchecking all the boxes , all question types will appear in the Pool again.

3- Filtering section: here you can delete, add points, view or fold questions.

	QUESTION TEXT	QUESTION TYPE	DEFAULT POINTS
<input type="checkbox"/>	The substances that are the result of a chemical reaction are called	True/False	0
<input type="checkbox"/>	"After a chemical reaction, the properties of the products are:"	True/False	0
<input checked="" type="checkbox"/>	A precipitate is a	True/False	0
<input checked="" type="checkbox"/>	The part of the atom involved in chemical bonding is the	True/False	0
<input checked="" type="checkbox"/>	Black and withe mixed together to give a gray color.	True/False	0
<input checked="" type="checkbox"/>	The substances that enter a chemical reaction are called	Multiple Choice	0
<input checked="" type="checkbox"/>	A substance that is used to speed up a chemical reaction but is not used as p...	Multiple Choice	0
<input type="checkbox"/>	A precipitate is a	Multiple Choice	0
<input type="checkbox"/>	The part of the atom involved in chemical bonding is the	Multiple Choice	0
<input type="checkbox"/>	Solar system contain plants.	Multiple Choice	0

Deleting 1 to 10 of 10 items | Show All | Edit Paging...

Questions must be checked first, for example:

- Check box (1) to select all questions.
- Check the needed questions box (2) to choose some of the questions.
- Click on "**Delete**" to delete your selection (3).
- To view the full question, click on "**Question Display**" and chose the **view type** (4).
- To set the points, write the number in the "**Point**" field, then click "**Update**" (5). The selected question points will appear in area (6).

Pool Canvas: Unit 2 - Question Bank

The Pool Canvas presents an inventory list of questions that can be managed and searched. You can use the check boxes to select any or all questions and then delete them or change their points, or edit questions individually. [More Help](#)

Create Question ▾ Find Questions Upload Questions

Question Settings

Description This Bank contain 50 question for unit 2.

5 types: True and false, multiple answers, multiple choice, essay and fill in blank.

Instructions I just built 10 questions as 5 true and false and 5 multiple choice

Total Questions 10

Total Points 50

Search current results: Go

Criteria Summary

Displaying 1 to 10 of 10 items

Browse Criteria

View ▾ Reset to Default

Question types

- All Pool Questions
- Multiple Choice
- True/False

<input type="checkbox"/>	QUESTION TEXT	QUESTION TYPE	DEFAULT POINTS
<input type="checkbox"/>	The substances that are the result of a chemical reaction are called	True/False	0
<input type="checkbox"/>	"After a chemical reaction, the properties of the products are:"	True/False	0
<input type="checkbox"/>	A precipitate is a	True/False	10
<input type="checkbox"/>	The part of the atom involved in chemical bonding is the	True/False	10
<input type="checkbox"/>	Black and withe mixed together to give a gray color.	True/False	10
<input type="checkbox"/>	The substances that enter a chemical reaction are called	Multiple Choice	10
<input type="checkbox"/>	A substance that is used to speed up a chemical reaction but is not used as p...	Multiple Choice	10
<input type="checkbox"/>	A precipitate is a	Multiple Choice	0
<input type="checkbox"/>	The part of the atom involved in chemical bonding is the	Multiple Choice	0
<input type="checkbox"/>	Solar system contain plants.	Multiple Choice	0

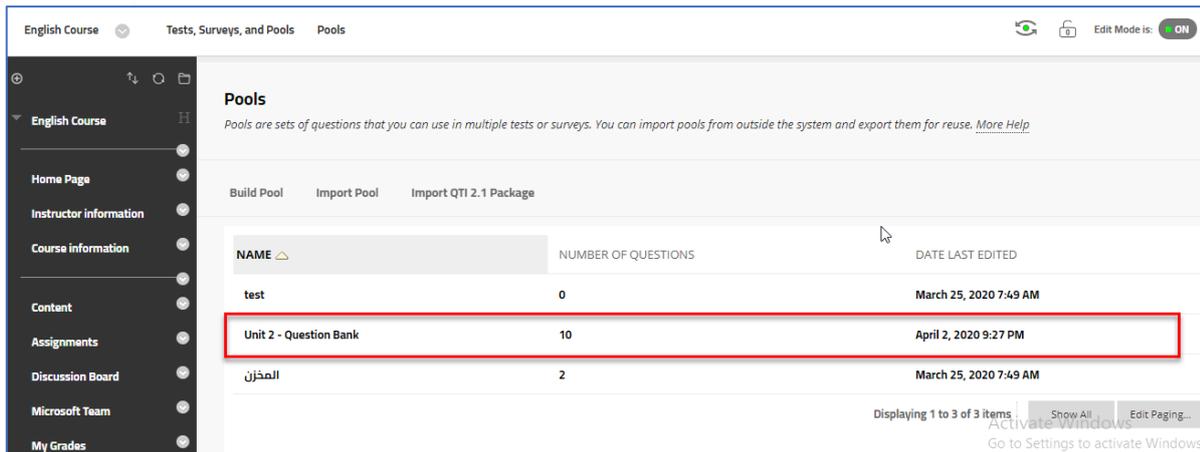
Displaying 1 to 10 of 10 items

Show All

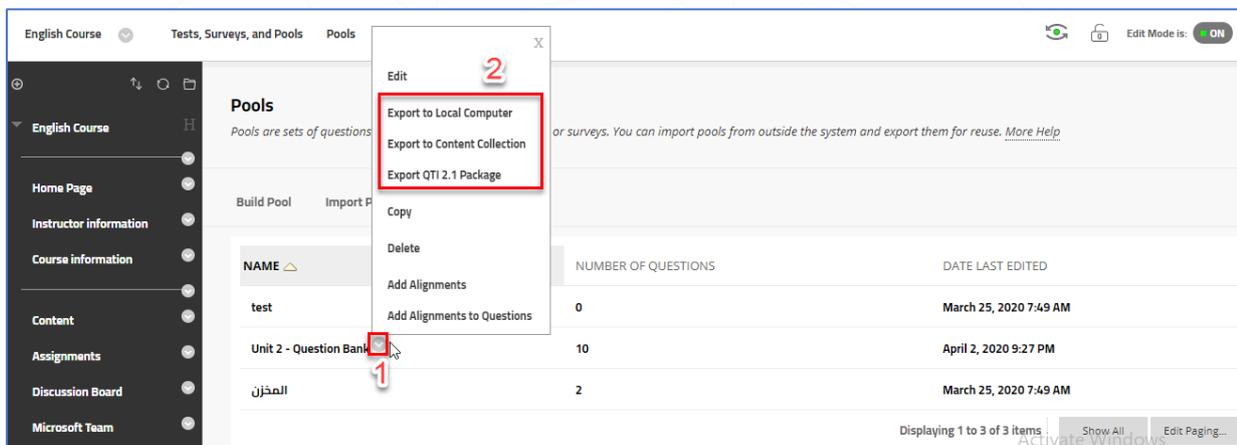
Edit Paging...

← OK

Click on "Ok" after adding all the questions and points.



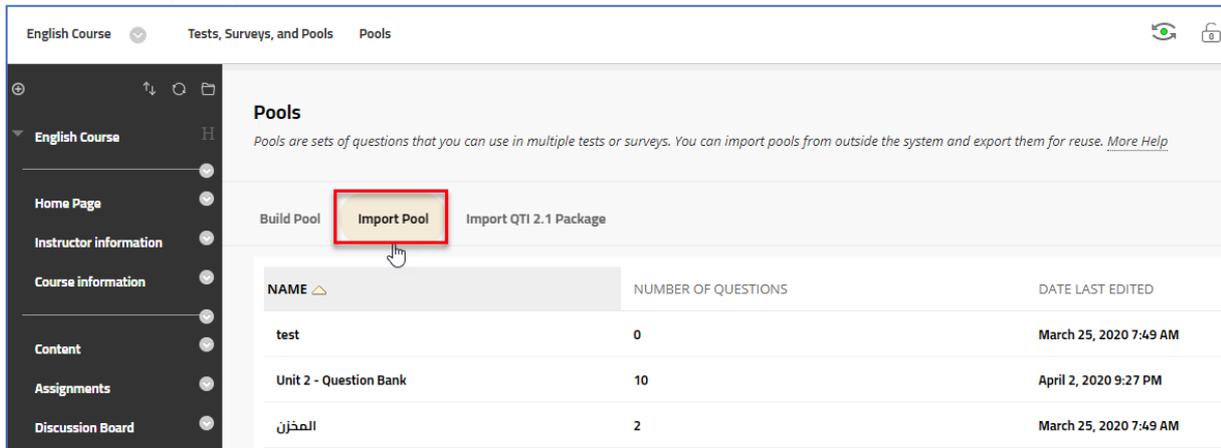
Now you have created a "Pools" and it will appear in the Pools as shown.



In case you need to (delete, modify, copy...etc.), click on the arrow beside pool name (1). To export the Pool (2), you have three choices:

- **Export** to a local computer for having a backup on your computer.
- **Export** to Content Collection, to share Pool with your colleagues at the college or the university. It will make the Pool available for everyone.
- **Export** to (QTI 2.1 package): it is a standard form used by various Learning Management Systems, e-exams and e-publishers. (**i.e. QTI: Question and Test Interoperability**)

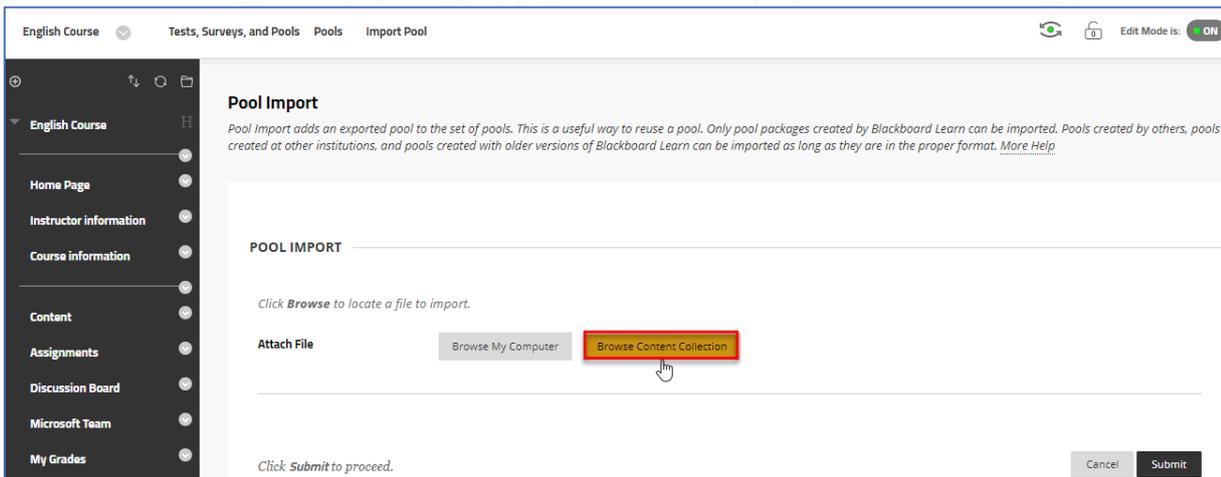
Second: Import Pools to Blackboard LMS



The screenshot shows the 'Pools' page in Blackboard LMS. The 'Import Pool' button is highlighted with a red box. Below it is a table listing existing pools.

NAME	NUMBER OF QUESTIONS	DATE LAST EDITED
test	0	March 25, 2020 7:49 AM
Unit 2 - Question Bank	10	April 2, 2020 9:27 PM
المخزن	2	March 25, 2020 7:49 AM

You have two options to Import Pools (**Import Pool** and **Import QTI 2.1 Package**).
First, let's choose "**Import Pool**".



The screenshot shows the 'Pool Import' page in Blackboard LMS. The 'Browse Content Collection' button is highlighted with a red box.

POOL IMPORT

Click **Browse** to locate a file to import.

Attach File

Browse My Computer **Browse Content Collection**

Click **Submit** to proceed.

We recommend, importing from Content Collection by clicking on "**Browse Content Collection**" or you can import from your computer.

Browse Content Collection

	Grading_Rubric_for_Blogs (John Graham).zip	Off	Feb 27, 2020 1:05:01 PM	3.36 KB
	Grading_Rubric_for_Discussion_Boards (Karen Lynden).zip	Off	Feb 27, 2020 1:05:01 PM	4.25 KB
	Lesson_Plan_and_Transcript_Rubric (Anastassia Tzoytzoyrakos).zip	Off	Feb 27, 2020 1:05:01 PM	3.92 KB
	PoolExportFile_TC_Demo_Course_EXP_AR_أسئلة الوحدة الأولى.zip	Off	Mar 31, 2020 9:47:56 PM	6.09 KB
	PoolExportFile_TC_Demo_i.khaled_BB_TR101_EN_بنك أسئلة تجريبي.zip	Off	Apr 2, 2020 5:58:31 AM	7.4 KB
	TestExportFile_TEST_583_5_ENGL132_2nd Mid term.zip	Off	Mar 25, 2020 1:33:58 PM	5.19 KB
	التدريب الأول.html	Off	Mar 19, 2017 1:33:57 PM	0
	الوحدة الأولى.html	Off	Mar 19, 2017 1:32:32 PM	0

Displaying 1 to 13 of 13 items Show All Edit Paging...

Cancel **Submit**

Search for the needed compressed file that represent a Pool.

- Check the file (1).
- Then, click **"Submit"** (2).

English Course Tests, Surveys, and Pools Pools Import Pool Edit Mode is: ON

Pool Import

Pool Import adds an exported pool to the set of pools. This is a useful way to reuse a pool. Only pool packages created by Blackboard Learn can be imported. Pools created by others, pools created at other institutions, and pools created with older versions of Blackboard Learn can be imported as long as they are in the proper format. [More Help](#)

POOL IMPORT

Click **Browse** to locate a file to import.

Attach File Browse My Computer Browse Content Collection

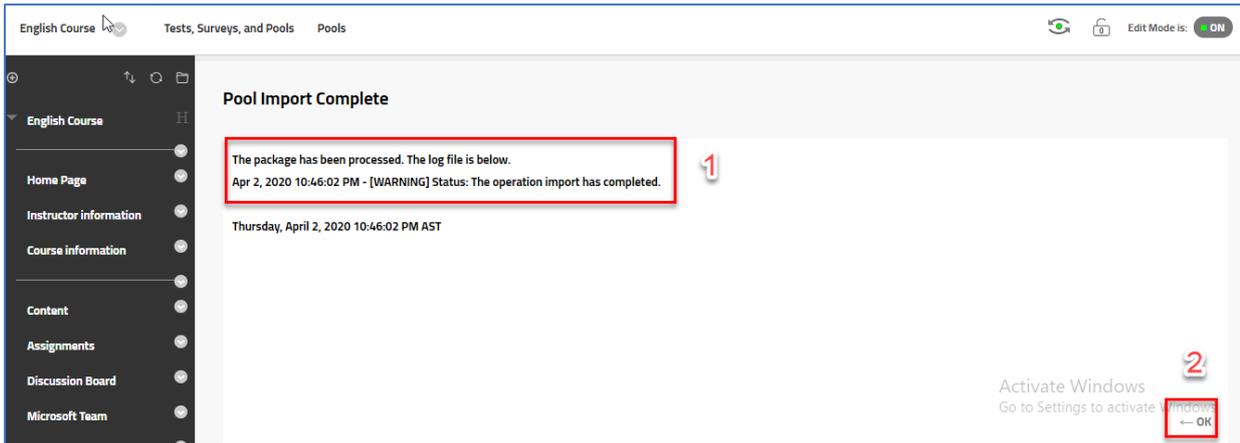
Selected File	File Name
	TestExportFile_TEST_583_5_ENGL132_2nd Mid term.zip

Do not attach

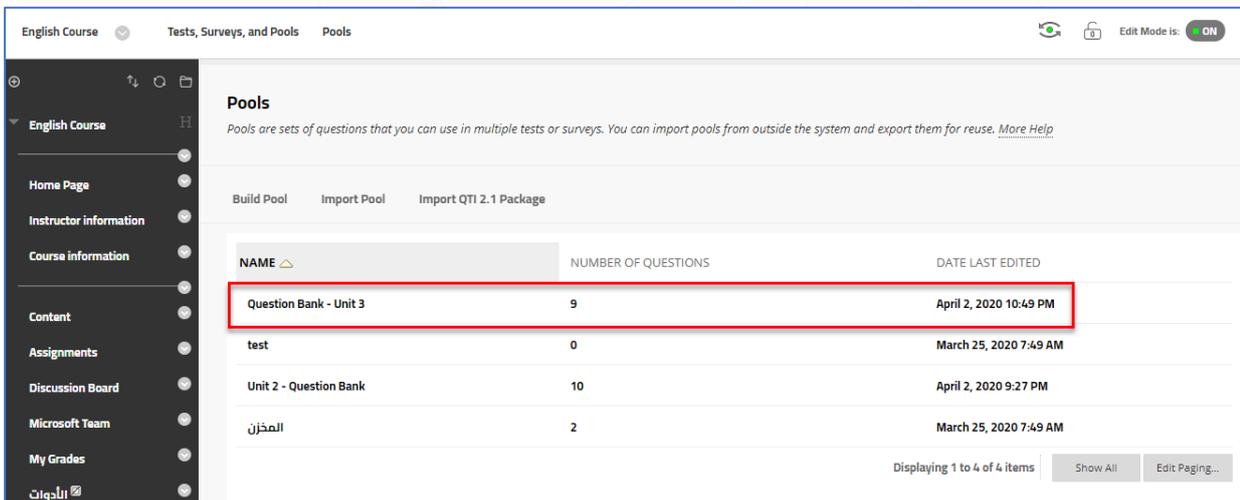
Click **Submit** to proceed.

Activate Windows **Submit** Go to Settings to activate Windows.

Now, you will see the **file** that want to add to the system (1) ... click on **"Submit"** (2).



You will see a message that confirm **“The package has been processed” (1)**. Click on **“Ok” (2)**.



The added **Pool name** will appear in the pools list. **Review** it to confirm.

Create Question ▾ Find Questions Upload Questions Question Settings

Description يتكون هذا البنك من 50 سؤال موزعة على الوحدات الخمسة بحيث يكون لكل وحدة عشر أسئلة
مقسمة في 3 مستويات من السهولة: سهل - متوسط - صعب

Instructions

Total Questions 9

Total Points 40

Search current results:

Criteria Summary

Question types All Pool Questions

Browse Criteria

View ▾ Reset to Default

▶ Question types

Deleting 1 item

Displaying 1 to 9 of 9 items

QUESTION TEXT	QUESTION TYPE	DEFAULT POINTS
<input type="checkbox"/> <input type="checkbox"/> Q2: What is the largest lizard in the world?	Multiple Answer	5
<input type="checkbox"/> <input type="checkbox"/> Q3: Do snails have teeth?	True/False	5
<input type="checkbox"/> <input type="checkbox"/> What flower is the symbol of the sun and the symbol of Japan?	Multiple Choice	5
<input type="checkbox"/> <input type="checkbox"/> Which giraffe legs are the longest?	Multiple Choice	0
<input type="checkbox"/> <input type="checkbox"/> The working principle of a washing machine is	Multiple Choice	5
<input type="checkbox"/> <input type="checkbox"/> Nuclear sizes are expressed in a unit named	Multiple Choice	5
<input type="checkbox"/> <input type="checkbox"/> The speed of light will be minimum while passing through	Multiple Choice	5
<input type="checkbox"/> <input type="checkbox"/> Speed is not a vector quantity	True/False	5
<input type="checkbox"/> <input type="checkbox"/> An air bubble in water will act like a convex mirror	True/False	5

Deleting 1 item

Displaying 1 to 9 of 9 items

← OK

For example: the added Pool have 9 questions from (True and False), (Multiple-choice) and (Multiple answers) types. Most questions have 5 points, only one question has 0 points. You can add any number of questions as mentioned Tests Guide. Click on **"OK"** to return to your Pool page.

English Course Tests, Surveys, and Pools Pools

Pools
Pools are sets of questions that you can use in multiple tests or surveys. You can import pools from outside the system and export them for reuse. [More Help](#)

Build Pool Import Pool **Import QTI 2.1 Package**

NAME	NUMBER OF QUESTIONS	DATE LAST EDITED
Question Bank - Unit 3	9	April 2, 2020 10:49 PM
test	0	March 25, 2020 7:49 AM
Unit 2 - Question Bank	10	April 2, 2020 9:27 PM
المخزن	2	March 25, 2020 7:49 AM

Displaying 1 to 4 of 4 items Show All Edit Paging...

In case you have a Pool from another system or e-publishing house in form of QTI 2.1, then, click on the second choice "**Import QTI 2.1 package**".

English Course Tests, Surveys, and Pools Pools Import QTI 2.1 Package

Import QTI 2.1 Package
Import a pool to add pools used in other courses to the current set. You can import pool packages created by Blackboard Learn or those using the Question and Test Interoperability (QTI) 2.1 specification. If you want to import a pool created in older versions of Blackboard Learn or at another institution, make sure it's in the proper format. [More Help](#)

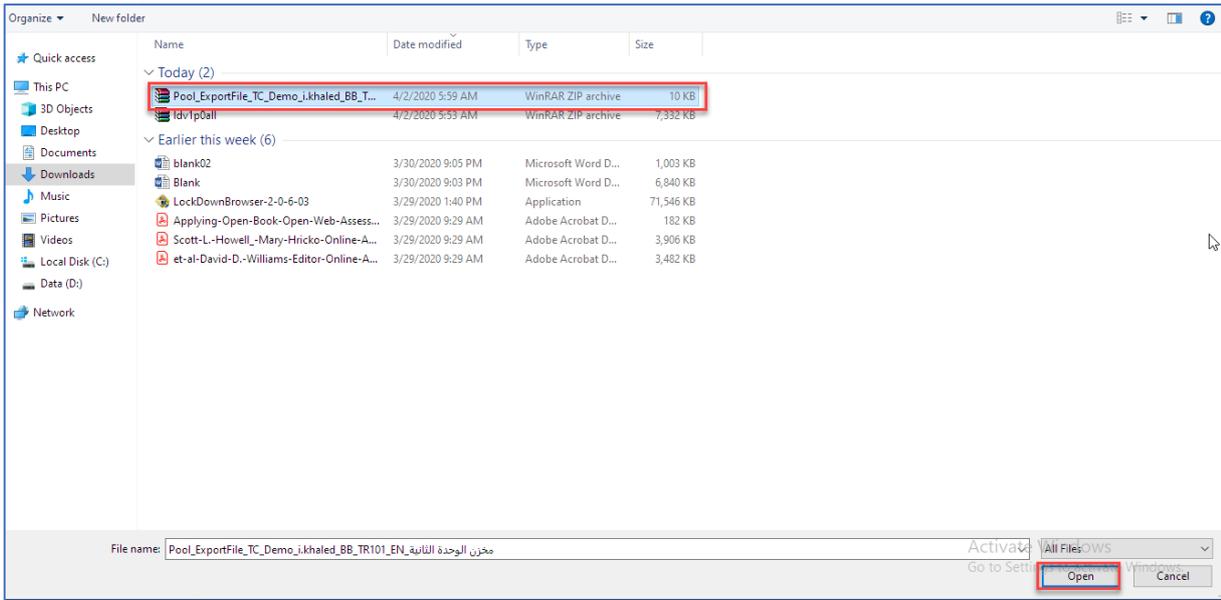
IMPORT QTI 2.1 PACKAGE

Click **Browse** to locate a QTI 2.1 package to import.

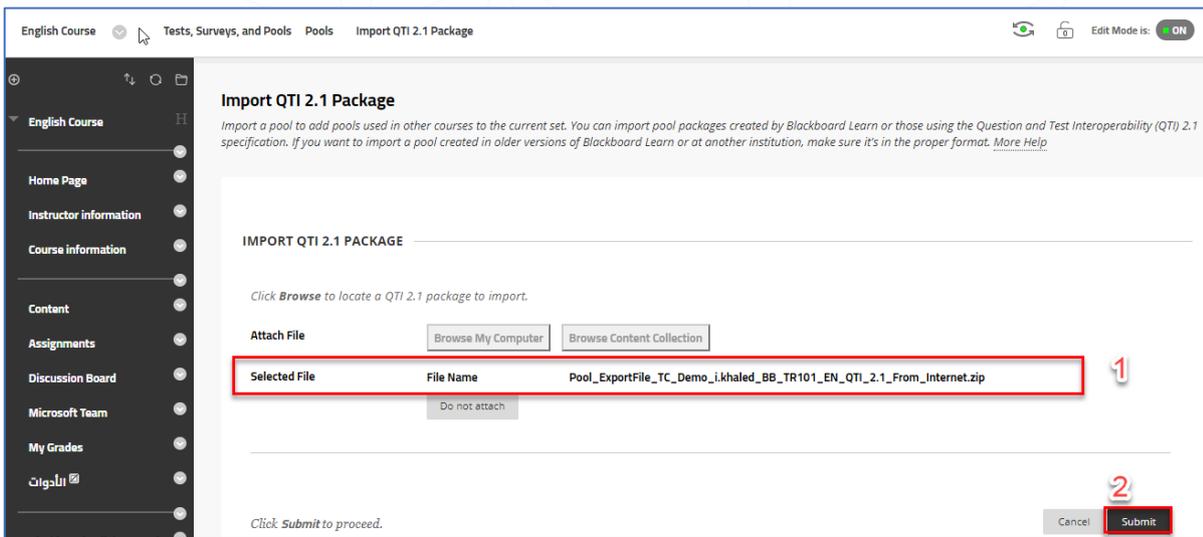
Attach File **Browse My Computer** Browse Content Collection

Click **Submit** to proceed. Cancel Submit

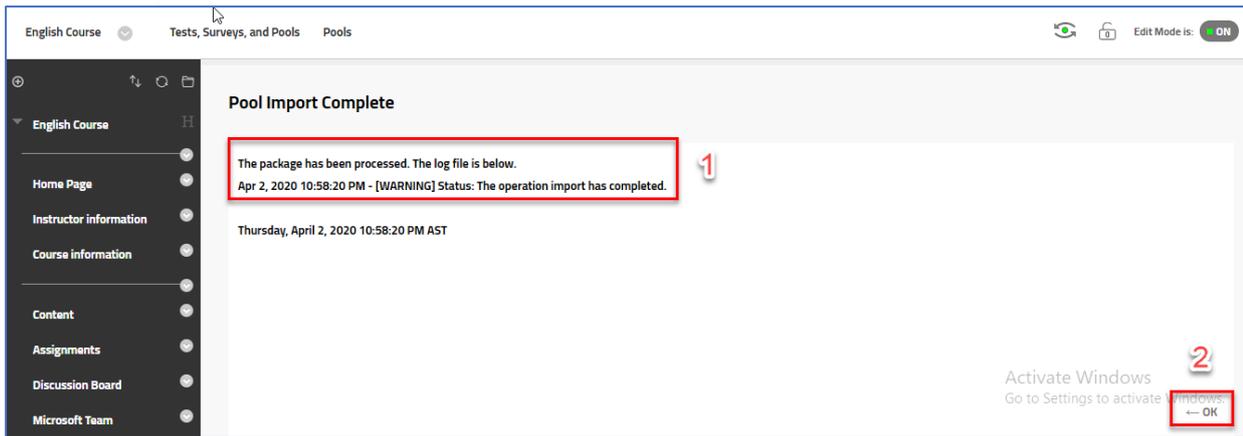
We recommend, importing from **Content Collection** or you can import from your computer. In this time, we are going to choose from your computer. Click on "**Browse My Computer**".



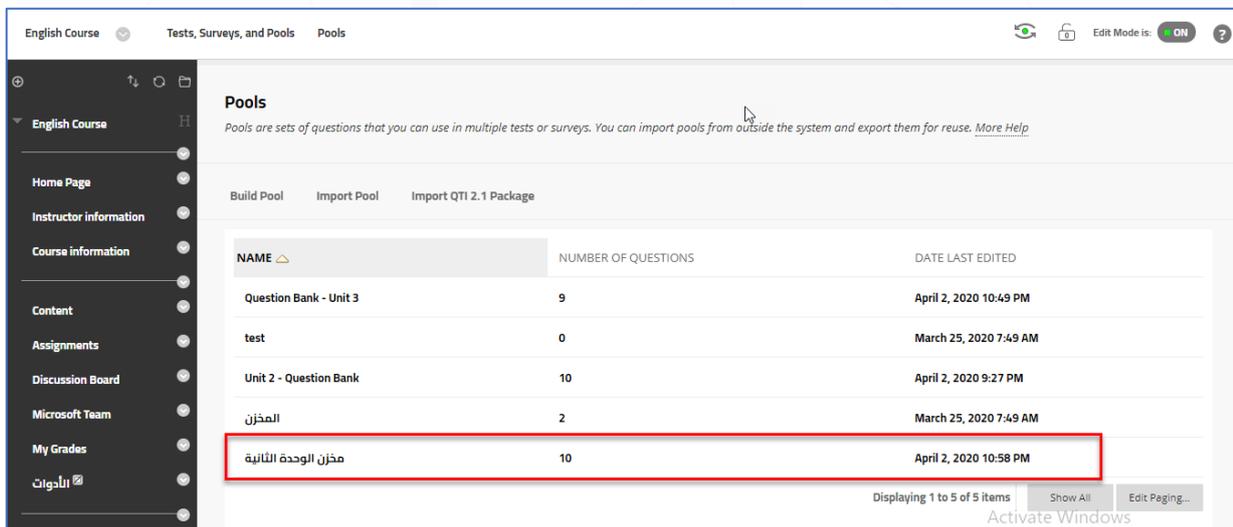
Chose the file from your computer, then click **“Open”**.



Now, you see the **file name (1)**, click on **“Submit” (2)**.



You will see a message that confirm **“The package has been processed” (1)**, click on **“OK” (2)**.



The added **Pool name** will appear in the pools list. **Review** it to confirm.

Pool Canvas: مخزن الوحدة الثانية

The Pool Canvas presents an inventory list of questions that can be managed and searched. You can use the check boxes to select any or all questions and then delete them or change their points, or edit questions individually. [More Help](#)

Create Question Find Questions Upload Questions Question Settings

Description
Instructions
Total Questions 10
Total Points 100

Search current results: Go

Criteria Summary
Question types All Pool Questions

Browse Criteria
View Reset to Default

Question types

Displaying 1 to 10 of 10 items

QUESTION TEXT	QUESTION TYPE	DEFAULT POINTS
Q1: The working principle of a washing machine is	Multiple Choice	10
Q1: Nuclear sizes are expressed in a unit named	Multiple Choice	10
The speed of light will be minimum while passing through	Multiple Answer	10
Q1: The working principle of a washing machine is	Multiple Choice	10
The working principle of a washing machine is	Multiple Choice	10
The working principle of a washing machine is	Multiple Choice	10
Nuclear sizes are expressed in a unit named	Multiple Choice	10
The speed of light will be minimum while passing through	Multiple Choice	10
Speed is not a vector quantity	Multiple Choice	10
An air bubble in water will act like a convex mirror	Multiple Choice	10

Displaying 1 to 10 of 10 items Show All Edit Paging...

← OK

For example: this Pool has 10 questions from multiple-choice type, except one question is Multiple Answers, each question has 10 points.

You can add any number of questions to the bank as mentioned in Tests Guide.



مَرْكَزُ تَطْوِيرِ الْمُنْتَوَى الرَّقْمِي
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