



Questionmark

e-EXAM SYSTEM TRAINING



AGENDA

- ◀ Introduction
- ◀ **Questionmark** Features
- ◀ System Interfaces
- ◀ Exam Bank Authorities
- ◀ Repositories Types
- ◀ Organizing the Question Bank
- ◀ Question Types
- ◀ **Questionmark** **Authoring** Manager
- ◀ **Questionmark** **Enterprise** Manager
- ◀ Exams Scheduling System
- ◀ Student Interface
- ◀ Reports
- ◀ Split Sections Tool
- ◀ Score Adjustment



INTRODUCTION

ELECTRONIC EXAMS

WHAT IS IT?

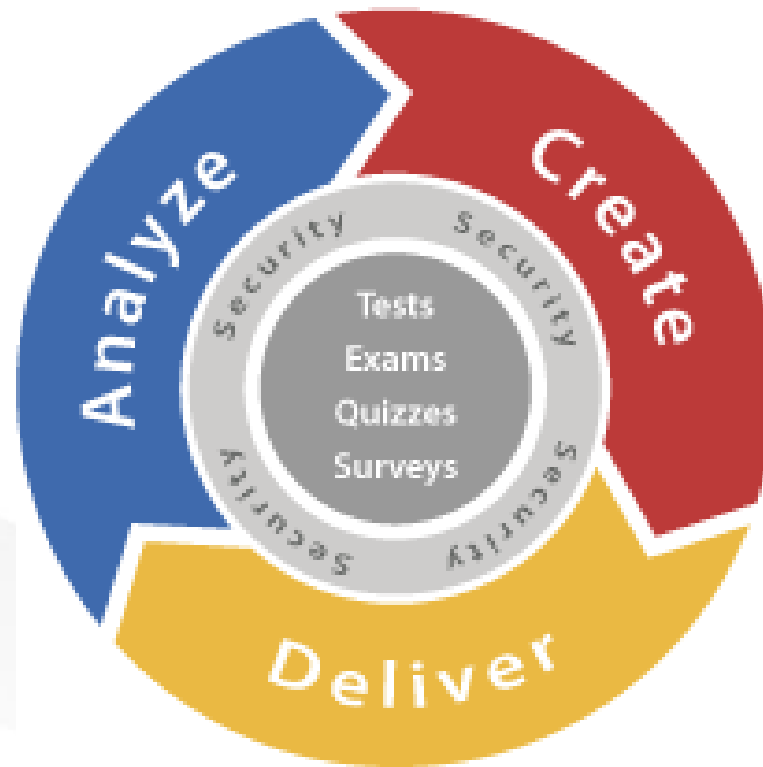
WHY?



e-EXAM FEATURES

- Unlimited number of questions
- Different version for each student
- Variety of question types
- Use of media
- Calculating the exam time
- Automatic evaluation and quick results
- Variety of reports
- Reduction of paper consumption

INTRODUCTION



SYSTEM FEATURES



Desktop application



Web browser



Collaborative, safe environment



Multilanguage



Different types of questions



Use of media



Different reports



Assessment-level feedback

SYSTEM INTERFACES

Questionmark Enterprise Manager (Online)

The screenshot shows the main dashboard of the Questionmark Enterprise Manager (Online). At the top left is the Questionmark logo. Below it is a navigation bar with tabs for Home, Authoring, Administration, Reporter, and Settings. The Authoring tab is selected. The main content area lists four primary functions:

- Authoring**: View, create, delete and tryout questions and assessments.
- Administration**: View and create participants, groups, schedules, accounts and administrators. Manage and configure Perception Server.
- Reporter**: Run Perception's powerful reporting system to see scores, answers and statistics.
- Settings**: Change password and edit settings.

At the bottom left, there is a copyright notice: Copyright ©2016 Questionmark Computing Ltd.

Questionmark Authoring Manager

The screenshot shows the Questionmark Authoring Manager interface. It features a standard Windows-style menu bar (File, Edit, View, Manage Items, Assessments, Security, Workflow, Tools, Window, Help) and a toolbar with various icons. The main workspace is divided into three panes:

- Folder Views**: A vertical list of icons representing different views: Show all, Questions view, Outcomes view, Resources view, Content view, Assessments view, Templates, Global Resources, and Global Content.
- Show all**: A tree view showing a hierarchical structure of content. The 'Topics' folder is selected, containing sub-items for Geography, Math, and q1. Other folders include Assessments, Templates, Global Resources, hotspot, system, templategfx, and Global Content.
- Description**: A table with two columns, 'Description' and 'Order', which is currently empty.



SYSTEM INTERFACES

Questionmark

Enterprise Manager (Online)

- ◀ Web application
- ◀ Shared repositories only
- ◀ **Management of the questions and assessments**
- ◀ Supports only 8 types of questions
- ◀ Basic settings for questions and assessments
- ◀ Support Adding picture only
- ◀ Supports reports

Questionmark

Authoring Manager

- ◀ Desktop application
- ◀ Local and shared repositories
- ◀ **Management of the questions and assessments**
- ◀ Supports 22 types of questions
- ◀ Advanced settings for questions and assessments
- ◀ Support Adding picture, audio and equations
- ◀ Does not support reports.

Exam Bank Authorities



1. Bank Administrator



Full bank privilege including create and publish exams

2. Bank Assistant



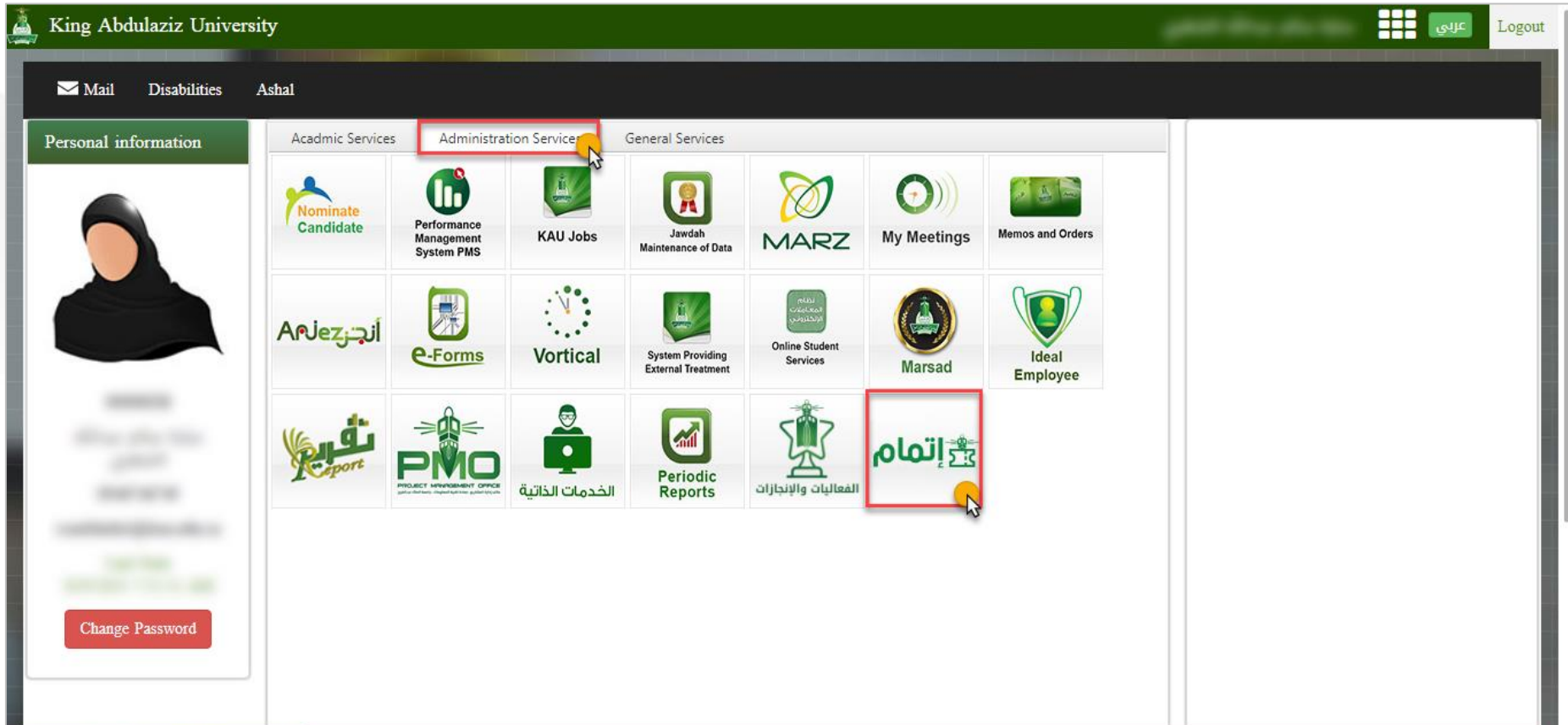
One or more of the followings:

- ✓ View Question Bank (Read only)
- ✓ Create & Edit Questions
- ✓ Reports



Request for Exam Bank Authorities

1. From the unified KAU login to university systems, select the (Itmam) system under “Administration Services” tab.



King Abdulaziz University

Logout

Mail Disabilities Ashal

Personal information

Academic Services Administration Services General Services

Nominate Candidate Performance Management System PMS KAU Jobs Jawdah Maintenance of Data MARZ My Meetings Memos and Orders

انجزه Anjez e-Forms Vortical System Providing External Treatment Online Student Services Marsad Ideal Employee

تقرير Report PMO PROJECT MANAGEMENT OFFICE الخدمات الذاتية Periodic Reports الفعاليات والإنجازات إتمام

Change Password



Request for Exam Bank Authorities

2. After entering the "Itmam" system, click on "Create a new request".

Itmam System Interface Screenshot:

Navigation bar: بحث الطلبات | مرحبا | تسجيل الخروج | تواصل معنا | الطلبات | إتمام

متابعة الطلبات

عرض كجدول | **انشاء طلب جديد**

قائمة المتابعة | صور الطلبات | طلبات خاصة بي | طلبات صادرة | طلبات متأخرة | طلبات واردة (0)

يحتوي هذا التبويب على الطلبات التي تتطلب اجراء من قبلك. عند اتخاذ اجراء على طلب، سيتم اضافة الاجراء في تبويب "طلبات صادرة"

لا يوجد طلبات واردة



Request for Exam Bank Authorities

3. From the list, select “Deanship of E-Learning and Distance Education.”



مرحبا

تسجيل الخروج

تواصل معنا

الطلبات 0

إتمام 

مجموعات الخدمات

عرض جميع الخدمات

لا توجد خدمات لهذه الجهة ..

فضلا اختر احدى الجهات التي لديها خدمات على النظام من أعلى الصفحة

Itmam System by Deanship of Information Technology - © 2022

-- اختر الجهة --

-- اختر الجهة --

ادارة الاسكان

ادارة الخدمات العامة بشطر الطالبات

الادارة العامة للخدمات التعليمية بشطر الطالبات

ادارة العقود والمشتريات

الادارة العامة لخدمات الأمن

الادارة العامة للخدمات التعليمية

الادارة العامة للموارد البشرية

عمادة التعلم الالكتروني والتعليم عن بعد

عمادة القبول والتسجيل

عمادة تقنية المعلومات

عمادة شؤون الطلاب

كلية الاداب والعلوم الانسانية

كلية الاقتصاد والادارة بشطر الطالبات

كلية الحاسبات وتقنية المعلومات

كلية الحاسبات وتقنية المعلومات برباغ

كلية الحاسبات وتقنية المعلومات بشطر الطالبات

كلية الحقوق



Request for Exam Bank Authorities

4. From the list of electronic services, select “Request authorization for electronic exams”.

إتمام تواصل معنا تسجيل الخروج مرحبا بحث الطلاب

عمادة التعلم الإلكتروني والتعليم عن بعد

مجموعات الخدمات

عرض جميع الخدمات

خدمات (2) عمادة التعلم الإلكتروني والتعليم عن بعد

الخدمات الإلكترونية

الخدمات الإلكترونية لأنظمة التعليم عن بعد

اختر خدمة من هذه المجموعة

اختر خدمة من هذه المجموعة

انشاء مقرر دراسي

طلب صلاحية على الاختبارات الإلكترونية


Itmam System by Deanship of Information Technology - © 2022



Request for Exam Bank Authorities

5. Enter The course code and number then select the required type of authorization (more than one authorization can be selected by pressing Ctrl on the keyboard and choosing the authorizations), after that click OK.

[مرحبا](#)
[تسجيل الخروج](#)
[تواصل معنا](#)
[الطلبات](#)



خدمة مقدمة من عمادة التعلم الالكتروني والتعليم عن بعد

طلب صلاحية على الاختبارات الالكترونية

طلب تفعيل صلاحية على نظام كويسشن مارك

نموذج الطلب

* رمز المادة ورقمها
رمز المادة ورقمها

* نوع الصلاحية المطلوبة
نوع الصلاحية المطلوبة

- صلاحية كاملة على الأسئلة والاختبار
- صلاحية على الاسئلة فقط
- صلاحية على الاختبار فقط
- صلاحية على التقارير فقط


لاختيار أكثر من عنصر، فضلا اضغط على CTRL

الاجراء
فضلا تحديد الاجراء المطلوب

تقديم الطلب

الرئيس المباشر لمقدم الطلب -

موافق



```

graph TD
    Start((Start)) --> Step1[مقدم الطلب]
    Step1 --> Step2[الرئيس المباشر لمقدم الطلب]
    Step2 --> Step3[الوكيل المختص لمقدم الخدمة]
    Step3 --> Step4[موظف عام]
    Step4 --> End((End))
            
```



Request for Exam Bank Authorities

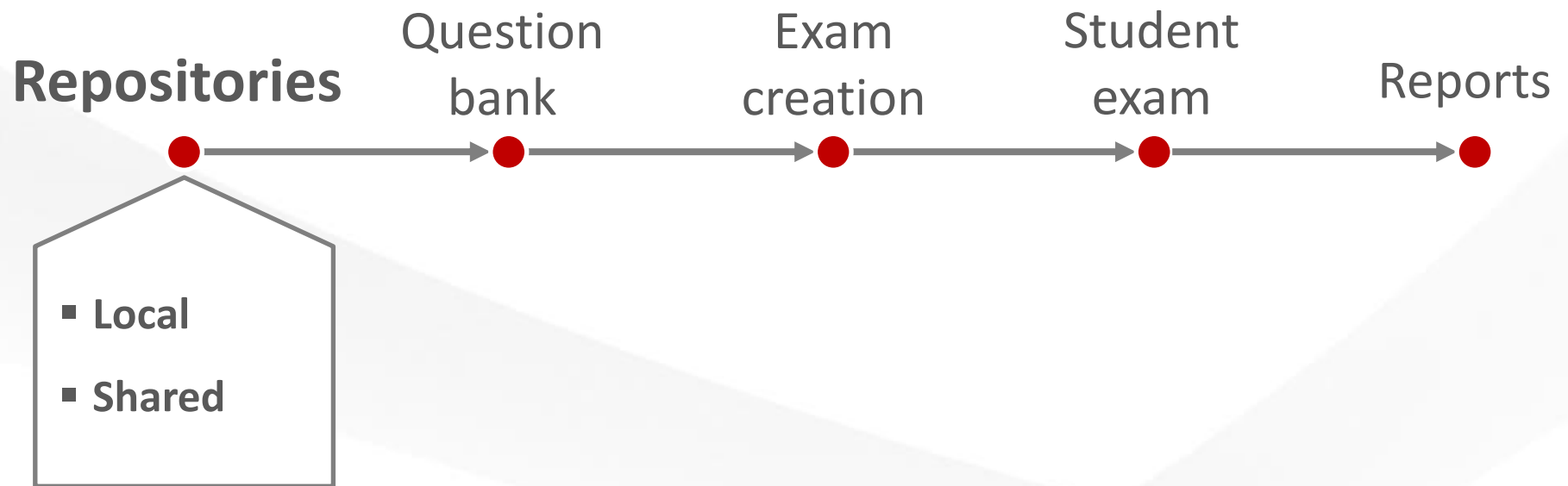
6. **After approval of the submitted request, the authorization will be activated, and the login information will be sent via email and text messages.**

Important notes about conducting Exit Exams on the **Questionmark** system



- When submitting an authorization request to the question bank, the name of **the exact section code** must be entered in the course name field.
- The status of the student must be **expected to graduate** in the ODUS system, so that they can take the exam.
- For any inquiries regarding the exit exams, you can contact the **supervisor of the end-of-program exams unit at the college** or the unit for supervising and following up on the exit exams at the university via: **Ecc-eeu@kau.edu.sa**

e-EXAM PROCESS





REPOSITORIES

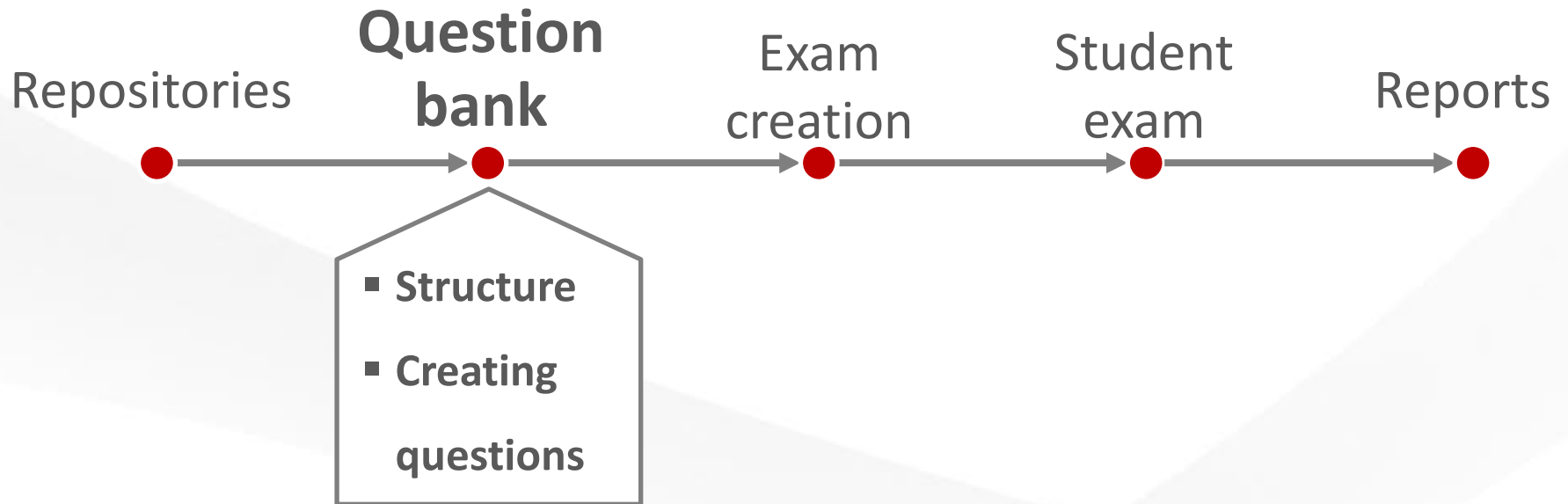
Shared Repository

- On KAU servers
tcp://examam.kau.edu.sa:7800
- Shared among bank administrators and assistants
- Questions and assessments are available on both interfaces

Local Repository

- On your PC only
- **For testing only**
- Assessments can't be published to students

e-EXAM PROCESS



STRUCTURING QUESTION BANK

Organize and classify your questions into topics (folders) according to:

- **Objectives**
- **Scores**
- **Difficulty levels**
- **Question type**
-



SUGGESTED STRUCTURE

❖ First Objective

– First Topic

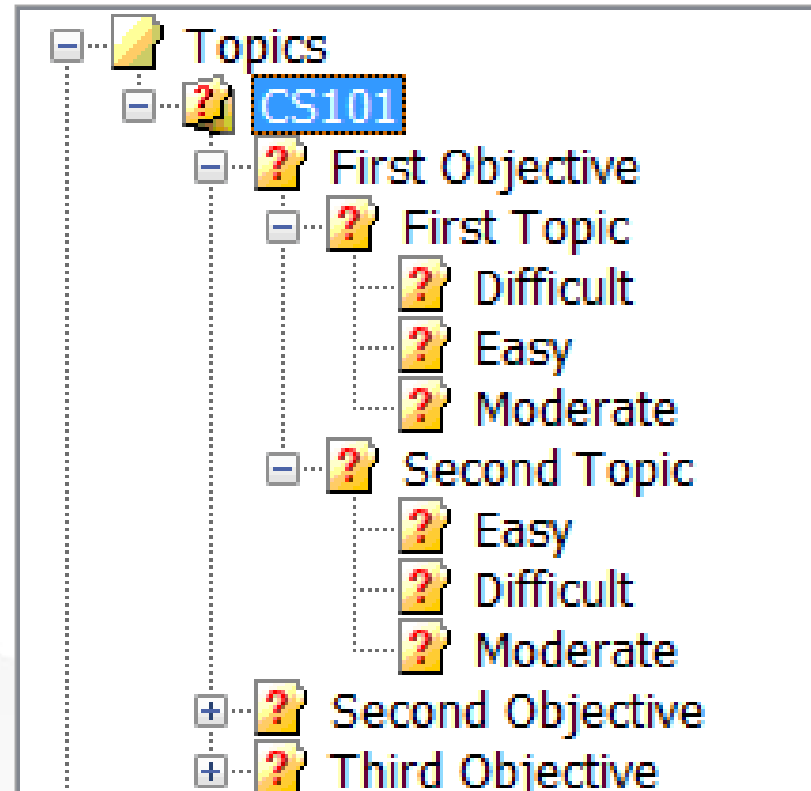
- Easy
- Moderate
- Difficult

– Second Topic

- Easy
- Moderate
- Difficult

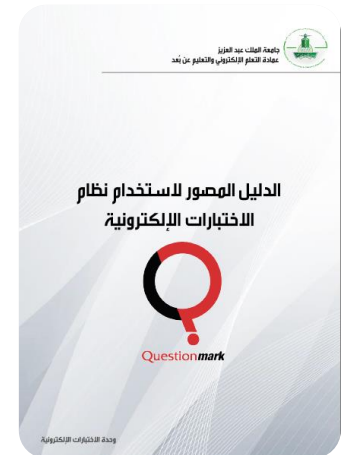
❖ Second Objective

–



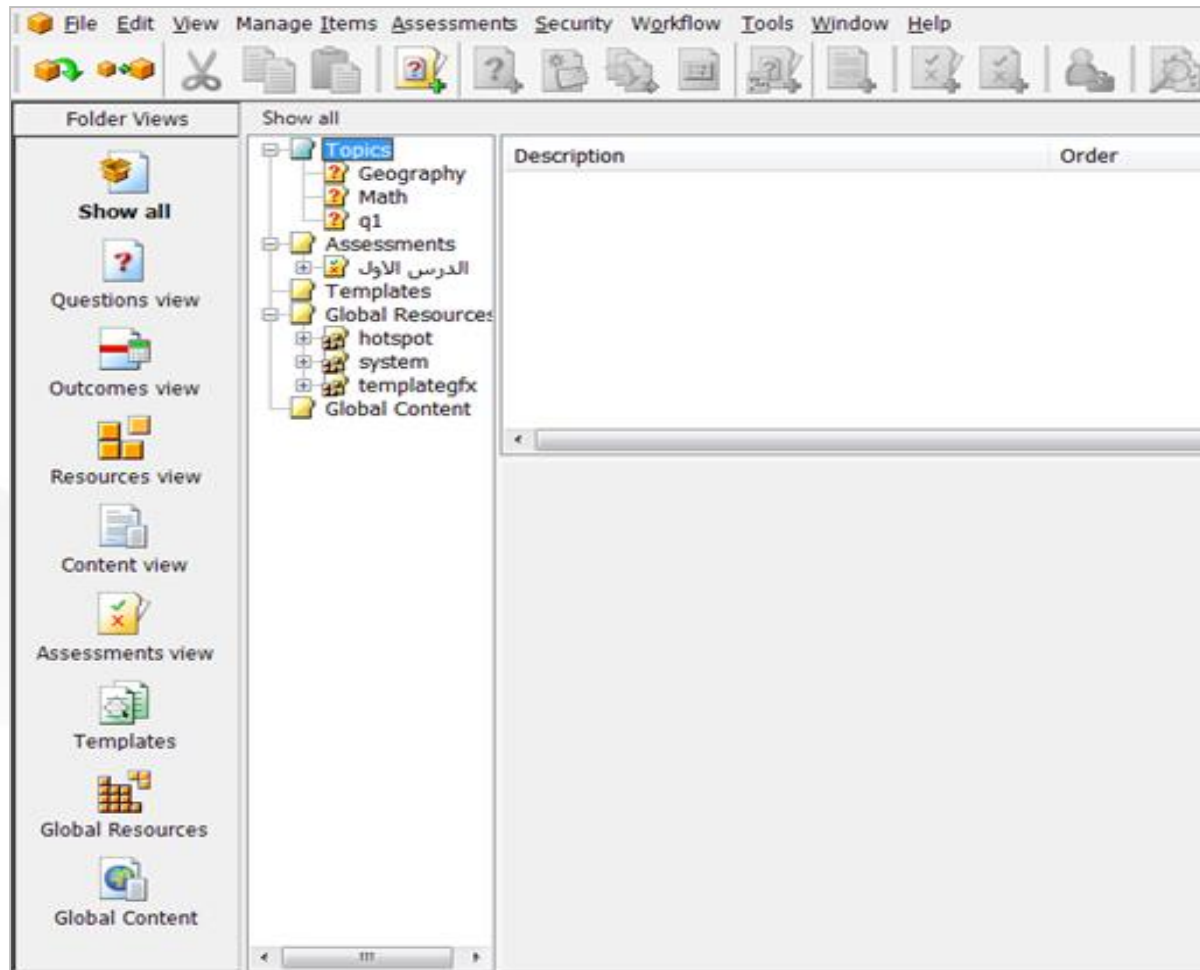
QUESTION TYPES

- Multiple choice
- Multiple Response
- Numeric questions
- Essay question
- Yes/No
- True/False
- Likert scale
- Text match
- Adobe flash
- Spoken response
- Survey matrix
- Drag-and-Drop
- Explanation
- File Upload
- Fill-in-the-blank
- Hotspot
- Knowledge Matrix
- Matching
- Pull-Down List
- Ranking
- Select-a-blank
- Adobe captivate



bit.ly/35iGo3r

Questionmark Authoring Manager



Questionmark AUTHORIZING MANAGER DOWNLOAD

1. Send a downloading request to: Ddlg.exu@kau.edu.sa
2. Send VPN Request from <http://itmam.kau.edu.sa>

We will send:

1. The download link
2. Guide to download
3. Steps to set VPN (required if you intend to use the app at home)



Questionmark Enterprise Manager (Online)

- Web interface
- No need for desktop installation

URL: <https://exam.kau.edu.sa/portal/kau/>



Questionmark Enterprise Manager (Online)

[Home](#)[Authoring](#)[Administration](#)[Reporter](#)[Settings](#)

English



Authoring

View, create, delete and tryout questions and assessments.



Administration

View and create participants, groups, schedules, accounts and administrators. Manage and configure Perception Server.



Reporter

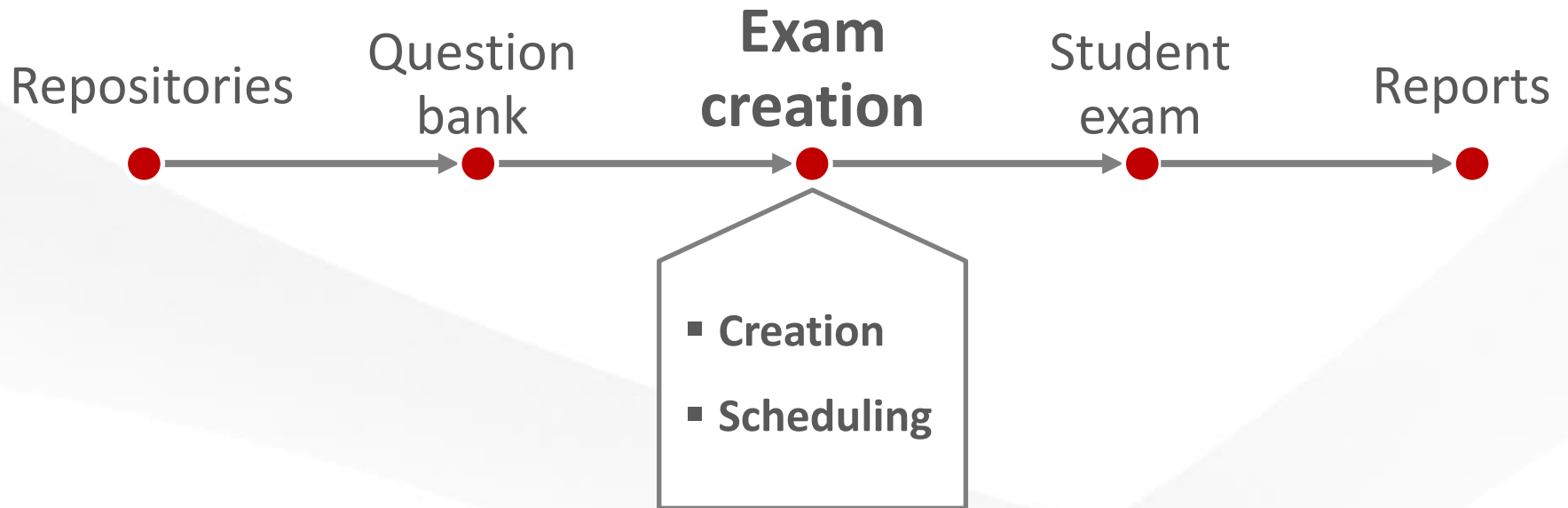
Run Perception's powerful reporting system to see scores, answers and statistics.



Settings

Change password and edit settings

e-EXAM PROCESS





Ratings settings

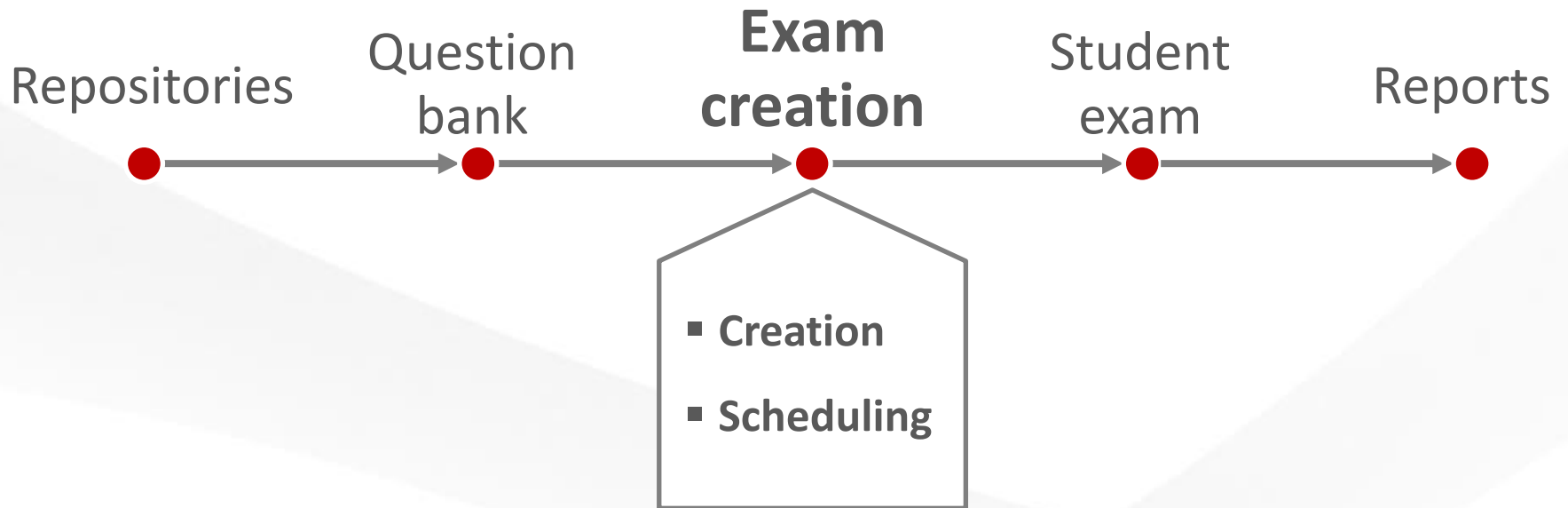
Suggested points for creation

- Example: Plan an exam that covers the content of the first semester
 - 3** Questions from (First chapter < First goal < Easy)
 - 5** Questions from (First chapter < First goal < Medium)
 - 2** Questions from (First chapter < First goal < hard)

 - 2** Questions from (First chapter < Second goal < Easy)
 - 4** Questions from (First chapter < Second goal < Medium)
 - 3** Questions from (First chapter < Second goal < hard).....



e-EXAM PROCESS



Schedule

Portal of the electronic exam management system

تسجيل الدخول

الرقم الوظيفي

كلمة المرور

تسجيل الدخول

1

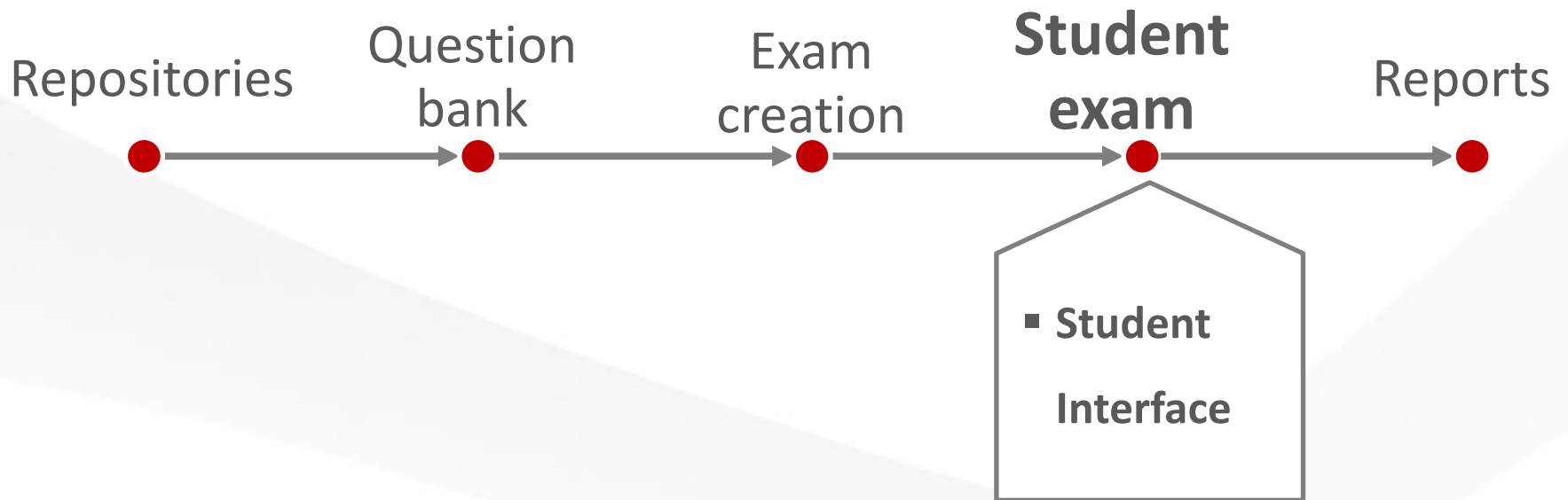
2

Insert the user name and the password for the e-services



bit.ly/3IMtWyE

e-EXAM PROCESS



STUDENT EXAM - INTERFACE




تسجيل الدخول

User number رقم المستخدم

Password كلمة السر

الرجاء ادخال الرقم الجامعي وكلمة المرور الخاصة بنظام الـ **ODUS** لكي تتمكن من بدء الاختبار

الاختبارات الإلكترونية
Electronic Exams



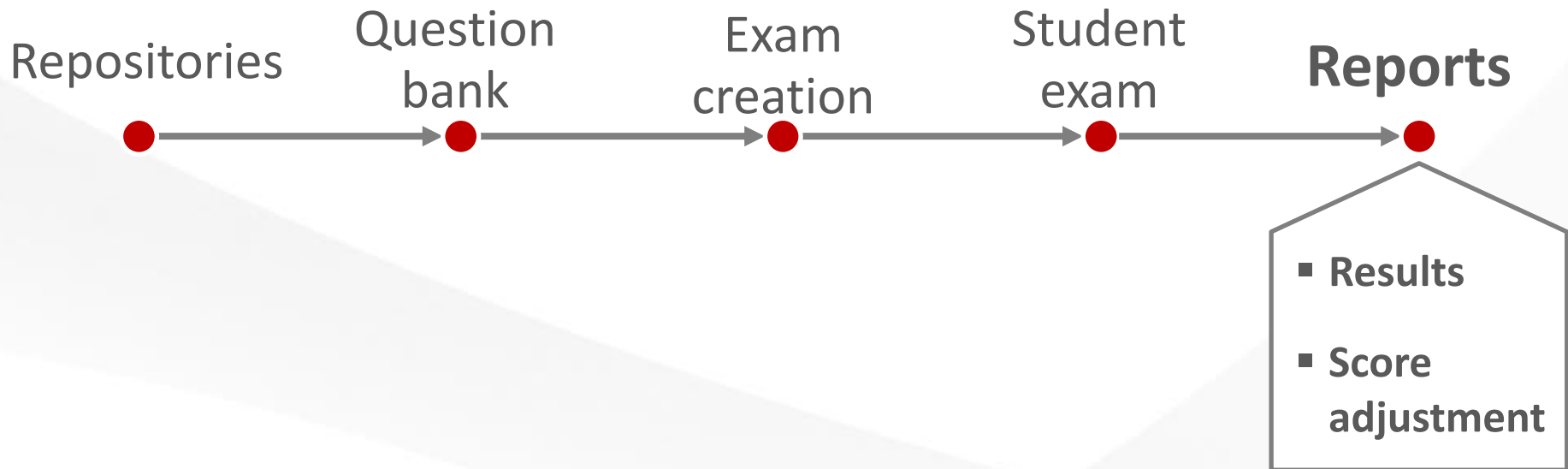
رقم المعمل : L12

اسم المبنى : كلية العلوم -

رقم المبنى : B7



e-EXAM PROCESS



REPORTS

- **Assessment Overview Report**
overview of results for one or more assessments
- **Coaching Report**
detailed results for one participant taking one assessment
- **Score List Report**
a list of results for a single assessment
- **Export for Excel**
Export results to comma separated Excel file



Questionmark ENTERPRISE MANAGER (WEB)

[Home](#)[Authoring](#)[Administration](#)[Reporter](#)[Settings](#)

English



Authoring

View, create, delete and tryout questions and assessments.



Administration

View and create participants, groups, schedules, accounts and administrators. Manage and configure Perception Server.



Reporter

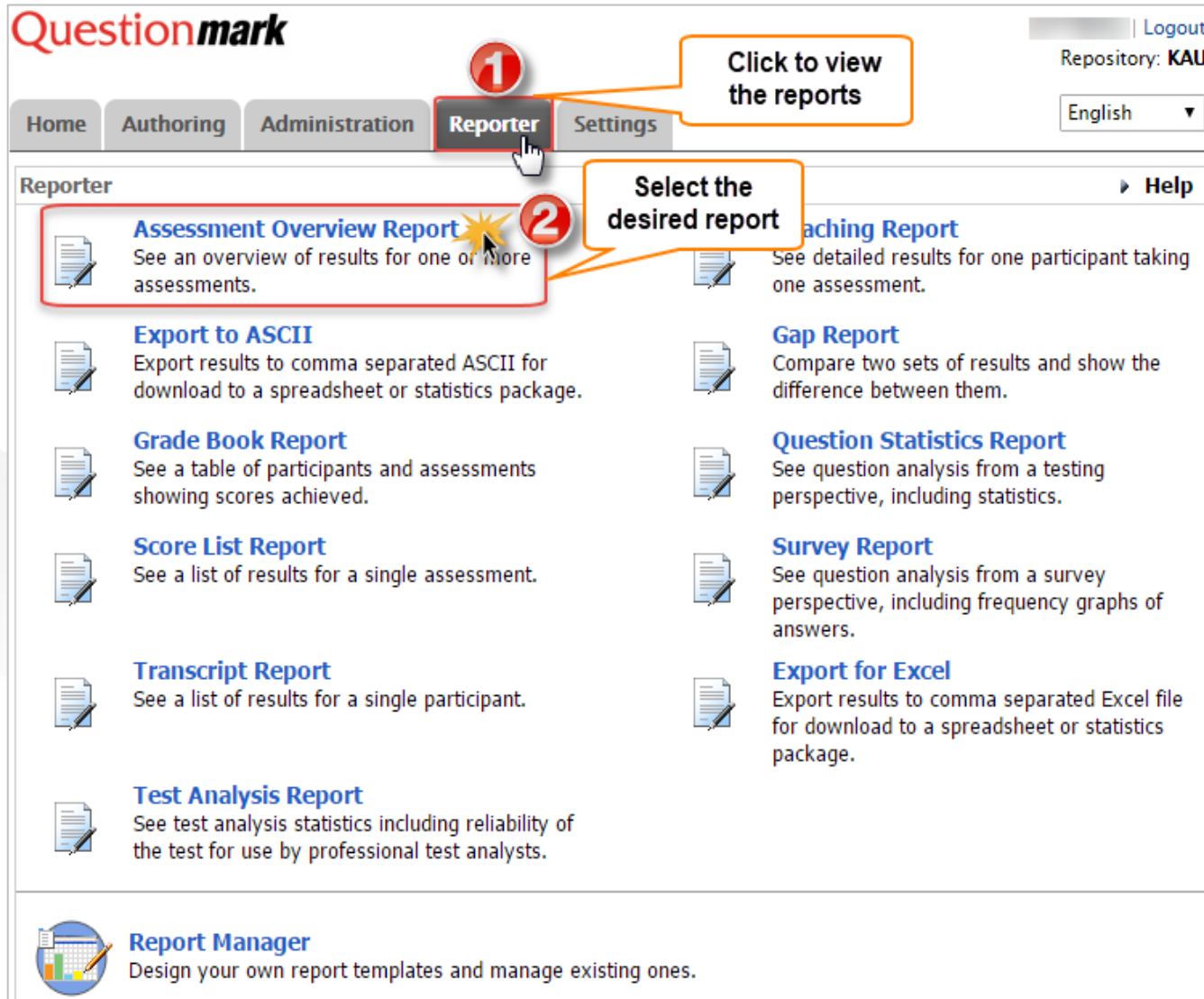
Run Perception's powerful reporting system to see scores, answers and statistics.



Settings

Change password and edit settings

Assessment Overview Report



The screenshot displays the Questionmark Reporter interface. At the top left is the Questionmark logo. The top right shows a user profile with a 'Logout' link, the repository name 'KAU', and a language dropdown set to 'English'. A navigation bar contains 'Home', 'Authoring', 'Administration', 'Reporter', and 'Settings'. The 'Reporter' tab is active and highlighted with a red circle and the number '1'. A callout box points to it with the text 'Click to view the reports'. Below the navigation bar, the 'Reporter' section is titled, with a 'Help' link on the right. A list of report options is shown, each with a document icon and a brief description. The 'Assessment Overview Report' is highlighted with a red box and a yellow starburst, and a red circle with the number '2' is placed over it. A callout box points to it with the text 'Select the desired report'. Other reports listed include 'Teaching Report', 'Export to ASCII', 'Grade Book Report', 'Score List Report', 'Transcript Report', 'Test Analysis Report', 'Gap Report', 'Question Statistics Report', 'Survey Report', and 'Export for Excel'. At the bottom, there is a 'Report Manager' section with a bar chart icon and the text 'Design your own report templates and manage existing ones.'

Questionmark

Logout
Repository: KAU
English

Home Authoring Administration **Reporter** Settings

Reporter Help

Assessment Overview Report
See an overview of results for one or more assessments.

Teaching Report
See detailed results for one participant taking one assessment.

Export to ASCII
Export results to comma separated ASCII for download to a spreadsheet or statistics package.

Gap Report
Compare two sets of results and show the difference between them.

Grade Book Report
See a table of participants and assessments showing scores achieved.

Question Statistics Report
See question analysis from a testing perspective, including statistics.

Score List Report
See a list of results for a single assessment.

Survey Report
See question analysis from a survey perspective, including frequency graphs of answers.

Transcript Report
See a list of results for a single participant.

Export for Excel
Export results to comma separated Excel file for download to a spreadsheet or statistics package.

Test Analysis Report
See test analysis statistics including reliability of the test for use by professional test analysts.

Report Manager
Design your own report templates and manage existing ones.

Assessment Overview Report

Assessment overview report

[Back](#) [Home](#)

Report generated: February 1, 2016 - 10:16

Page 1 of 1

Filters for this report

No filters specified

اختبار

Assessment name	Assessment ID	Assessment author	Date/time first taken	Date/time last taken	Date/time last modified	Number of times started	Number of times not finished	Number of times finished	Minimum score of those finished	Maximum score of those finished	Mean score of those finished	Least time taken for those finished	Most time taken for those finished	Mean time taken for those finished	Standard deviation for those finished
اختبار															

Analysis of score bands

This report displays the evaluation information as well as a set of statistical data to analyse the evaluation

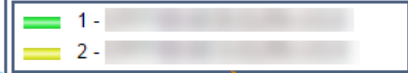
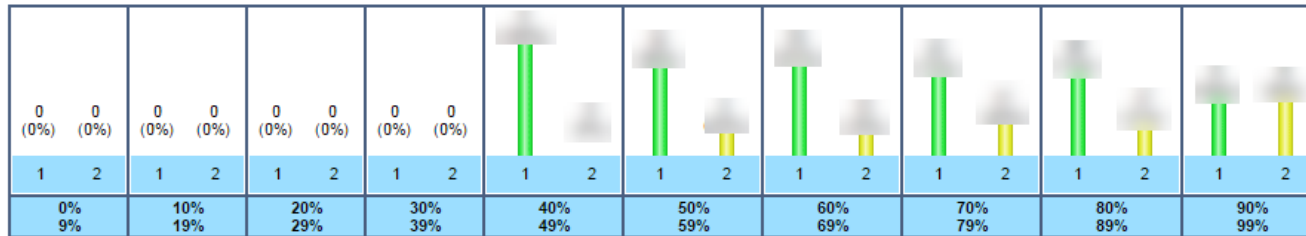
(100%)

Completed

اختبار

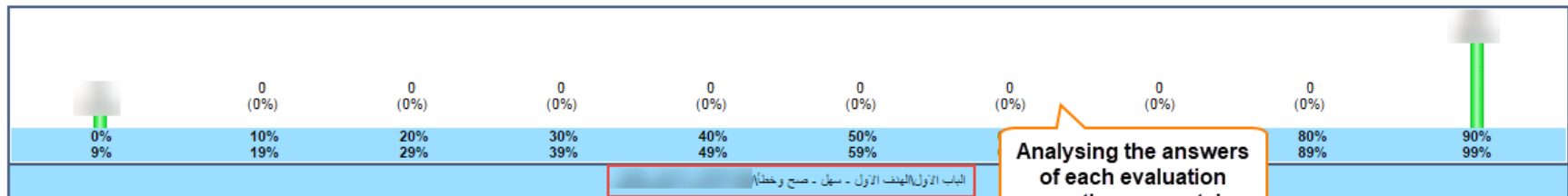
Assessment Overview Report

Histogram of assessment scores - اختبار



Analysing students' grades by section

Histogram of topic scores - اختبار



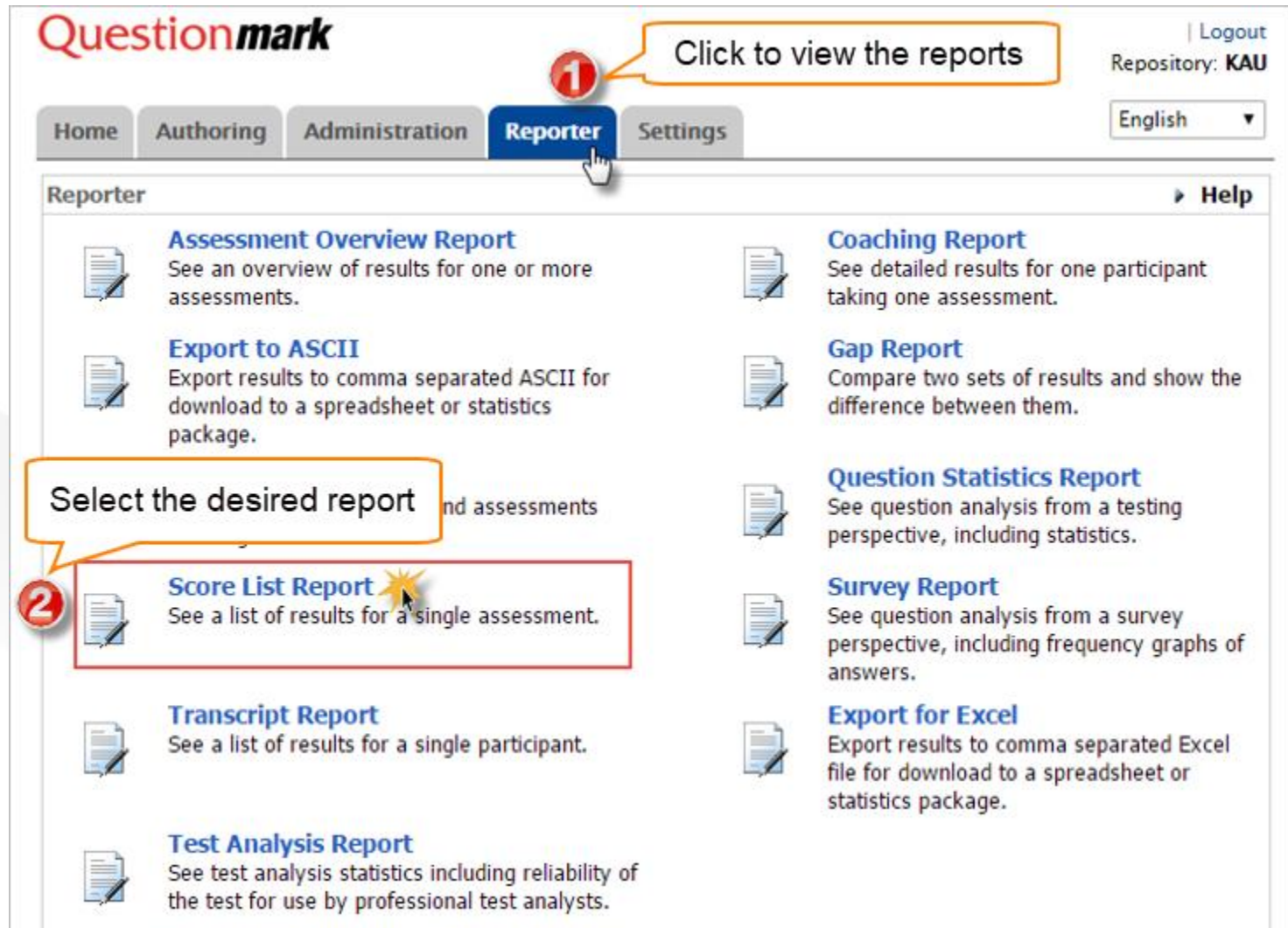
Analysing the answers of each evaluation question separately

Assessment Overview Report

Topic information	Average score	Minimum score	Maximum score	Standard deviation
الباب الاول\الهدف الاول - سهل - صح وخطأ		0%	100%	
الباب الاول\الهدف التاسع - سهل - اختيارات		0%	100%	
الباب الاول\الهدف الثالث - متوسط - اختيارات		0%	100%	
الباب الاول\الهدف الثالث عشر - سهل - اختيارات		0%	100%	
الباب الاول\الهدف الثاني عشر - متوسط - اختيارات		0%	100%	
الباب الاول\الهدف الحادي عشر - سهل - اختيارات			100%	
الباب الاول\الهدف الخامس عشر - سهل - صح وخطأ			100%	
الباب الاول\الهدف الرابع عشر - سهل - صح وخطأ			100%	
الباب الثالث\الهدف الاول سهل اختياري			100%	

At the end of the report a statistical analysis of all evaluation questions is presented

Score List Report



The screenshot displays the Questionmark Reporter interface. At the top left is the Questionmark logo. On the right, there are links for "Logout" and "Repository: KAU", and a language dropdown menu set to "English". A navigation bar contains tabs for "Home", "Authoring", "Administration", "Reporter" (which is highlighted in blue and has a red circle with the number "1" above it), and "Settings". A callout box with an orange border points to the "Reporter" tab, containing the text "Click to view the reports".

Below the navigation bar, the "Reporter" section is titled. A "Help" link is visible in the top right of this section. The main content area lists several report options, each with a document icon and a brief description:

- Assessment Overview Report**: See an overview of results for one or more assessments.
- Export to ASCII**: Export results to comma separated ASCII for download to a spreadsheet or statistics package.
- Score List Report**: See a list of results for a single assessment. This option is highlighted with a red box and a red circle with the number "2" next to it. A callout box with an orange border points to it, containing the text "Select the desired report". A mouse cursor is shown clicking on the "Score List Report" text.
- Transcript Report**: See a list of results for a single participant.
- Test Analysis Report**: See test analysis statistics including reliability of the test for use by professional test analysts.
- Coaching Report**: See detailed results for one participant taking one assessment.
- Gap Report**: Compare two sets of results and show the difference between them.
- Question Statistics Report**: See question analysis from a testing perspective, including statistics.
- Survey Report**: See question analysis from a survey perspective, including frequency graphs of answers.
- Export for Excel**: Export results to comma separated Excel file for download to a spreadsheet or statistics package.



Score List Report

Score list report

[Report URL](#) [Back](#) [Home](#)

Report generated: February 4, 2016 - 10:03 Page 1 of 1

Filters for this report

No filters specified

Assessment name	Participant	Participant group	Status	Date/time started
اختبار - تعليم عن بعد			Finished normally	
اختبار - تعليم عن بعد			Finished normally	
اختبار - تعليم عن بعد			Finished normally	
اختبار - تعليم عن بعد			Finished normally	
اختبار - تعليم عن بعد			Finished normally	
اختبار - تعليم عن بعد			Finished normally	
اختبار - تعليم عن بعد			Finished normally	
اختبار - تعليم عن بعد			Finished normally	

This report displays student information and scores on a specific assessment

Coaching Report

Questionmark Logout
Repository: KAU












Home Authoring Administration **Reporter** Settings


1 Click to view the reports

Select the desired report

2

Reporter ▶ Help

 Assessment Overview Report See an overview of results for one or more assessments.	 Coaching Report See detailed results for one participant taking one assessment.
 Export to ASCII Export results to comma separated ASCII for download to a spreadsheet or statistics package.	 Gap Report Compare two sets of results and show the difference between them.
 Grade Book Report See a table of participants and assessments showing scores achieved.	 Question Statistics Report See question analysis from a testing perspective, including statistics.
 Score List Report See a list of results for a single assessment.	 Survey Report See question analysis from a survey perspective, including frequency graphs of answers.
 Transcript Report See a list of results for a single participant.	 Export for Excel Export results to comma separated Excel file for download to a spreadsheet or statistics package.
 Test Analysis Report See test analysis statistics including reliability of the test for use by professional test analysts.	

 **Report Manager**
Design your own report templates and manage existing ones.

Coaching Report

Coaching Report1 The report name

Total score	19	Assessment type	Exam
Status	Finished	Participant ID	[Redacted]
Percentage score	54%	Participant group	[Redacted]
Maximum score	35	Assessment name	تعليم عن بعد اختبار
Date/time finished	Dec 13 2015 08:34:05	Time taken	00:25:27
Language	not set	Questions answered	35
Assessment outcome label	Completed		

Questions

1 This section will show the student information x

Maximum score	1
Answer given	1
Actual score	0

Question wording [Redacted]

Question type	Multiple Choice
Time taken	00:02:45

The report displays detailed information about the student answers of each question in the assessment

2 ✓

Maximum score	1
Answer given	مراجع
Actual score	1

Question wording [Redacted]












Question type	Multiple Choice
Time taken	00:01:52


Export for Excel

Questionmark | Logout
Repository: KAU
English ▼

Home | Authoring | Administration | **Reporter** | Settings

Reporter ▶ Help

 Assessment Overview Report See an overview of results for one or more assessments.	 Coaching Report See detailed results for one participant taking one assessment.
 Export to ASCII Export results to comma separated ASCII for download to a spreadsheet or statistics package.	 Gap Report Compare two sets of results and show the difference between them.
 Grade Book Report See a table of participants and assessments showing scores achieved.	 Question Statistics Report See question analysis from a testing perspective, including statistics.
 Score List Report See a list of results for a	 Survey Report See question analysis from a survey perspective, including frequency graphs of answers.
 Transcript Report See a list of results for a single participant.	 Export for Excel Export results to comma separated Excel file for download to a spreadsheet or statistics package.
 Test Analysis Report See test analysis statistics including reliability of the test for use by professional test analysts.	

 **Report Manager**
Design your own report templates and manage existing ones.

1 Click to view the reports

Select the desired report

2



Export for Excel

	A	B	C	D	E	F	G
1	Report Generated On January 27, 2016 At 11:26 AM						
2	Participant	Participant details	Status	Date/time finished	Total score	Maximum score	Percentage score
3			Finished normally	/15 16:38	42	50	84%
4			Finished normally	/15 11:00	28	50	56%
5			Finished normally	/15 16:15	38	50	76%
6			Finished normally	/15 16:19	34	50	68%
7			Finished normally	/15 11:04	27	50	54%
8			Finished normally	/15 13:11	29	50	58%
9			Finished normally	/15 08:43	32	50	64%
10			Finished normally	/15 11:08	22	50	44%
11			Finished normally	/15 13:41	40	50	80%
12			Finished normally	/15 08:56	43	50	86%
13			Finished normally	/15 16:29	23	50	46%
14			Finished normally	/15 10:59	42	50	84%
15			Finished normally	/15 08:27	35	50	70%
16			Finished normally	/15 10:40	37	50	74%
17			Finished normally	/15 16:00	34	50	68%
18			Finished normally	/15 15:49	40	50	80%
19			Finished normally	/15 15:54			72%
20			Finished normally	/15 16:40			84%
21			Finished normally	/15 08:41			62%
22			Finished normally	/15 11:01			50%
23			Finished normally	/15 08:33			62%
24			Finished normally	/15 13:44			84%
25			Finished normally	/15 15:50			70%
26			Finished normally	/15 20:00			62%
27			Finished normally	/15 19:46	43	50	86%
28			Finished normally	/15 19:46	35	50	70%
29			Finished normally	/15 20:31	30	50	60%

The report will be exported as an (Excel) file.
Contains all the students information including the scores in certain assessment

Basic Information

Split Sections Tool

To get the tool please contact us by the e-mail:

Ddlg.exu@kau.edu.sa



SCORE ADJUSTMENT

During the exam:

Register **question number** and the **student ID**, (who that question appeared to) after the coordinator's approval. Then follow the steps in “**Degree Adjustment Mechanism on Electronic Exam System**” that created by deanship of e-Learning and distance education.

For requiring the mechanism file and support:

Ddlg.exu@kau.edu.sa

Electronic Exams page

For accessing the e-Exams systems and viewing the systems manuals

Please visit our [e-exams page on KAU website](#)



bit.ly/3IMtWyE

Communication Channels

Deanship of e-Learning and Distance Education

- **e-Exam Support:**

e-Exam Unit, Department of learning systems

- Ext **72248 - 72862 - 41717 -26029**
- e-mail: ddlg.exu@kau.edu.sa

- **System training:**

Training Unit, Department of e-learning Programs.

- Ext. **27785**
- e-mail: ddlg.train@kau.edu.sa

