

An Introduction to Questionmark

 Comprehensive Assessment Management





Howard Eisenberg

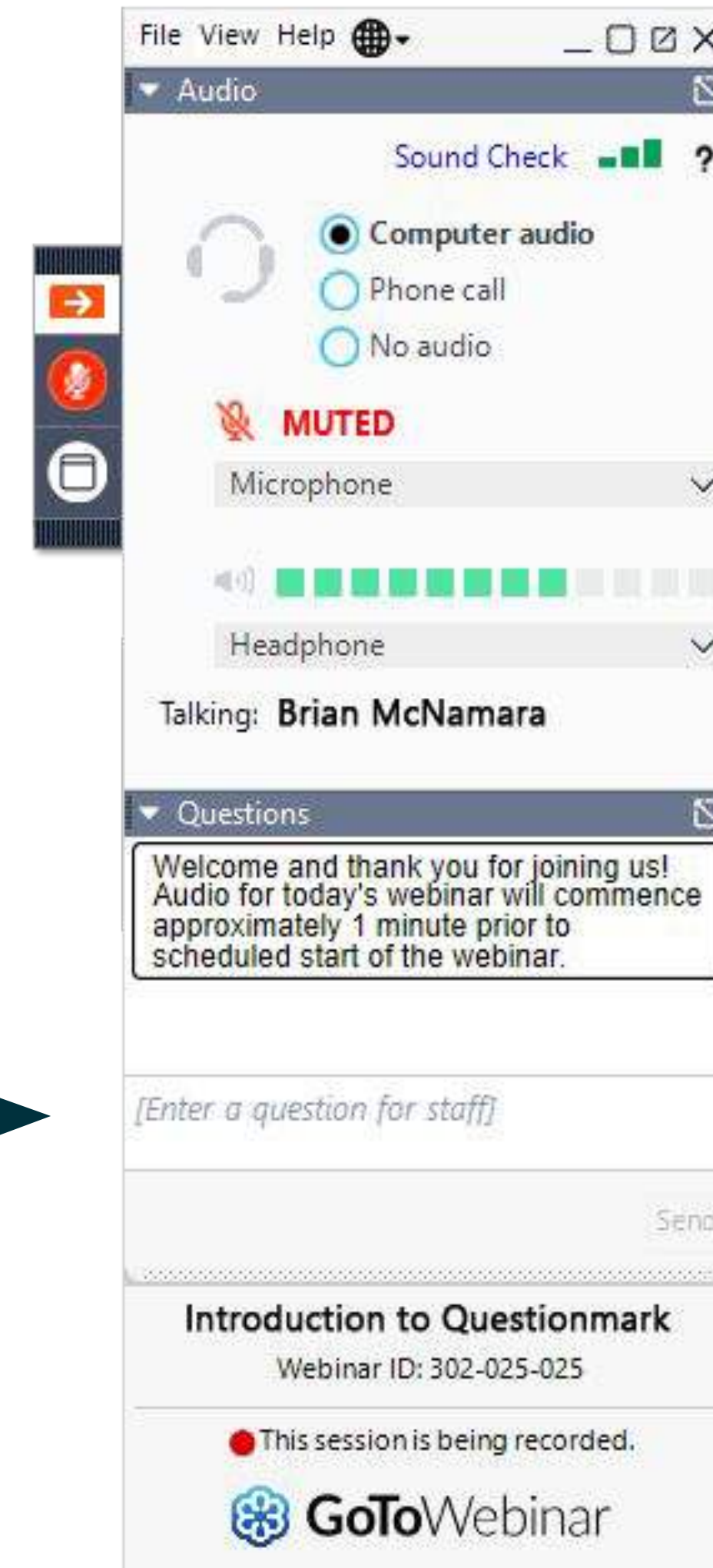
SVP, Solution Services

Before we begin...

Watch for an email after the webinar to:

- Download slides (PDF)
- View a recording

To ask questions, use
the “Questions” feature



| About us



Learnosity is the global leader in assessment solutions, providing experiences that are digital, dynamic, and designed to fit modern lifestyles and learning habits.

Questionmark is part of Learnosity. We are a standards-aligned and fully integratable assessment platform with industry-specific product offerings.

750+

customers

17B+

questions delivered p.a.

40m

online learners

FedRamp approved,
ISO 27001 certified
& TLS encrypted.

Our industry-leading customers include



| Assessment platform



Comprehensive assessment management

Collaborative Authoring

- Secure
- Browser-based
- Available globally

Secure Delivery

- Proctoring
- Responsive Design
- Accessibility

Reporting and analytics

- How are my participants doing?
- How are my tests doing?
- Results API

Multilingual

- Translation Management
- Screens/Controls in 38 languages
- Right-to-left languages

Integration

- Integrates with LMSs
- Standards support: AICC, SCORM, IMS LTI, and xAPI
- Flexible APIs

| Deployment options

Questionmark offers industry specific assessment solutions:

Questionmark Workforce

For L&D solutions that Keep you compliant and competitive.

Questionmark Certification

Creating and delivering smarter certification programs that scale.

Questionmark Government

For a FedRAMP and ATO achieved assessment solution you can count on.

Questionmark Academic

For learning supported with valid, secure, and scalable assessments.



Questionmark for Workday

Power L&D success with workday learning and Questionmark assessments.



| Assess knowledge, skills and abilities

Types of assessments

- Certification exams
- Observational assessments
- On-the job training (OJT)
- Regulatory Compliance tests
- Formative/quizzes
- Summative assessment
- Pre/post hire
- Pre/post course
- Diagnostic assessment
- Placement tests
- Licensure exams
- Job Task Analysis surveys
- Course Evaluation
- Kirkpatrick Level 1/2/3 Evaluations
- Employee Satisfaction



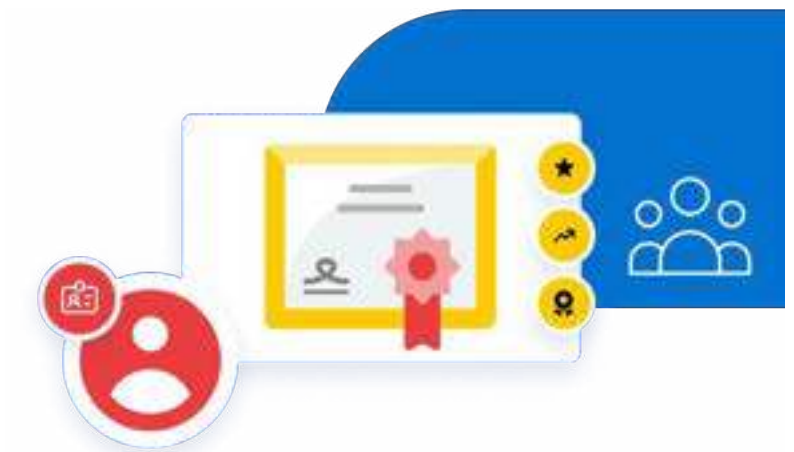
✓ Workforce Learning

✓ Sales/Technical Expertise



✓ Talent Management

✓ Higher Education



✓ Regulatory Compliance

✓ Certification & Credentialing

Demonstration



Authoring & Item Banking

Highlights of authoring & item banking



Collaborative, role-based and secure



40+ question types



Manage items by topic and metatag



Include video, audio, equations and more



Item versioning and version history



Random, rules-based item selection



Import items from CSV & other platforms



Sophisticated scoring and feedback

The screenshot displays the 'Standard Item Bank' interface. The top section shows a list of questions with columns for Order, Description, Type, Revisions, Status, Created on, Modified on, and Modified by. The bottom section shows a detailed view of a multiple-choice question titled 'What is the name of this famous landmark?' with a photo of the Taj Mahal. The question options are Hagia Sophia, Taj Mahal, and Al Aqsa Mosque. The interface includes a sidebar with navigation icons and a top bar with user information and search functionality.

Order	Description	Type	Revisions	Status	Created on	Modified on	Modified by
1	What is the name of this land...	Text match	3	Normal	Nov 11 2024	Nov 13 2024	Howard Eisenb...
2	Who are the historical figures ...	Drag and drop	1	Normal	Nov 11 2024	Nov 11 2024	Howard Eisenb...
3	Match the landmark with its g...	Matching	1	Normal	Nov 11 2024	Nov 11 2024	Howard Eisenb...
4	Copy of Match the landmark ...	Matching	2	Normal	Nov 11 2024	Nov 15 2024	Howard Eisenb...
5	What is the name of this famo...	Multiple choice	1	Incomplete	Nov 15 2024	Nov 15 2024	Howard Eisenb...

Standard Item Bank

Home > Topics > Multiple choice
Topic: Geography/Famous Landmarks

What is the name of this famous landmark?

Hagia Sophia
Taj Mahal
Al Aqsa Mosque

| Many question types to choose from...

Figural Response

Drag-and-Drop

Hotspot

No Response

Explanation

Selected Response

Multiple Choice

Multiple Response

Matching

Ranking

Pull-down List

Select-a-blank

Yes/No

True/False

Knowledge Matrix

Constructed Response

Numeric

Text Match

Fill-in-the-blanks

Selected Response (Manually Scored)

Essay

File Upload

Selected Response (Survey Use)

Job Task Analysis


Survey Matrix

Likert scale



| Many question types to choose from...

Multiple Choice <ul style="list-style-type: none">• Standard ✓• Multi Response ✓• True or False ✓• Block Layout• Choice Matrix• Choice Matrix Inline ✓• Choice Matrix Labels	Classify Match and Order <ul style="list-style-type: none">• Classification• Match List ✓• Order List ✓• Sort List	Math <ul style="list-style-type: none">• Math / Cloze Math ✓• Cloze Math with Image• Math Essay with Rich Text• Math Question Generator	Chemistry <ul style="list-style-type: none">• Chemistry Formula• Cloze Chemistry ✓• Chemistry Essay with Rich Text• Cloze Chemistry with Image
Fill in the blanks <ul style="list-style-type: none">• Drag and Drop• Drop Down ✓• Text ✓• Label Image Drag and Drop ✓• Label Image Drop-down• Label Image Text	Written & Recorded <ul style="list-style-type: none">• Essay with Rich Text ✓• Essay with Plain Text ✓• Short Text ✓• Audio Recorder• Video Recorder	Graphing <ul style="list-style-type: none">• Graphing• Graphing in the 1st Quadrant• Number Line with Drag & Drop• Number Line with Plot	Other <ul style="list-style-type: none">• File Upload ✓• Image Annotation Upload• Rating ✓• Gridded
	Highlight and Drawing <ul style="list-style-type: none">• Drawing• Shading• Token Highlight• Hotspot ✓	Charts <ul style="list-style-type: none">• Bar Chart• Line Chart• Histogram• Dot Plot• Line Plot	Custom Question Type

 Comparable question type available in Standard Item Bank

| Incorporate real-world scenarios and exhibits

Easily include real-world exhibits using multimedia or HTML to create authentic and realistic scenarios for your exam items.

The screenshot displays the 'Advanced Item Bank' interface for a user named Howard Eisenberg. The main content area is titled 'Splenic Laceration Medical Chart-2' and includes a warning: 'Warning: This Item is used in Activities. Any changes will impact all Activities that use this Item.' Below the title, a scenario is presented: 'The nurse in the emergency department (ED) is caring for a 17-year-old male client.'

The medical chart is divided into four tabs: 'History and Physical', 'Nurses' Notes', 'Vital Signs', and 'Laboratory Results'. The 'Vital Signs' tab is currently selected, showing data for 'Emergency Department Day 1 0900':

	Vital Signs
T	97.8° F (36.6° C)
P	116
RR	24
BP	90/50
Pulse Oximetry Reading	98% on room air

To the right of the chart, a text box states: 'The nurse has reviewed the Nurses' Notes from 1000.' Below this, a table allows the user to specify whether potential orders are indicated or not indicated for the client:

	Indicated	Not Indicated
intravenous fluids	<input type="radio"/>	<input type="radio"/>
serum type and screen	<input type="radio"/>	<input type="radio"/>
chest percussion therapy	<input type="radio"/>	<input type="radio"/>
insertion of a nasogastric (NG) tube	<input type="radio"/>	<input type="radio"/>
administration of prescribed pain medication	<input type="radio"/>	<input type="radio"/>

The interface includes a sidebar with navigation icons and a bottom bar with a plus sign and a settings icon.

Generative AI – Author Aide

Utilize Generative AI to:

- rapidly create plausible distractors for selected response questions.
- create choice specific feedback/rationale.
- generate real-world scenarios for more valid and authentic assessment.

The screenshot displays the 'Advanced Item Bank' interface with a user profile 'Howard Eisenberg' in the top right. The interface is divided into several sections:

- Refine your question (optional):** Includes a text input field for refining the question, a character limit of 0/500, and a box with suggestions: 'Avoid the word "content"', 'Use female characters only', and 'That answer is incorrect, the correct answer is...'. A 'Change original inputs' button is at the bottom.
- Generated question:** Shows a composed question: 'An ER nurse is attending to a patient presenting with a splenic laceration. What is the most critical thing the nurse should be on watch for to prevent further medical complications?'. It includes multiple choice options: 'Monitoring for signs of increased intracranial pressure', 'Checking for any allergic reactions to medications', 'Observing for signs of internal bleeding and hypovolemic shock' (selected), and 'Ensuring the patient's pain levels are managed'. There are checkboxes for 'Show advanced accessibility options' and 'Show Distractor Rationale'.
- Set correct answer(s):** A section for selecting the correct answer and points. The correct answer is 'Observing for signs of internal bleeding and hypovolemic shock' with 1 point.
- Feedback:** A section showing an 'Incorrect' message: 'Incorrect. While monitoring intracranial pressure is important in head injuries, it is not the most critical concern for a splenic laceration.'

Buttons for 'Cancel', 'Re-generate', and 'I'm happy, save' are located at the top. A 'Feedback' button is in the bottom right corner.

Item version history and rollback

⚙️

👤

✎️

📌

🔍

📊

📁

»

Home » Topics » Revision history

Revision History for Question ID 100009608788 – What is the name of this famous landmark?

History

Rollback

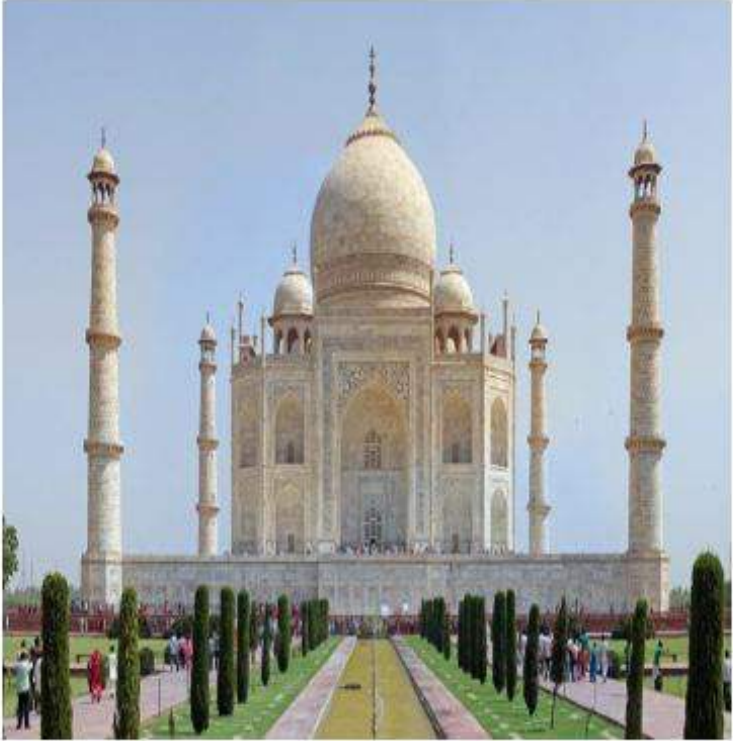
All Revisions

<input type="checkbox"/>	Revision	Version ID	Modified On	Modified By	Change Type	Comments
<input checked="" type="checkbox"/>	2	15369694	Nov 15 2024 10:27 PM	howard@learnosity.com	Edit	added fourth choice
<input checked="" type="checkbox"/>	1	15369515	Nov 15 2024 09:08 PM	howard@learnosity.com	Add	New question created

Page 1 of 1 25

Revision 1

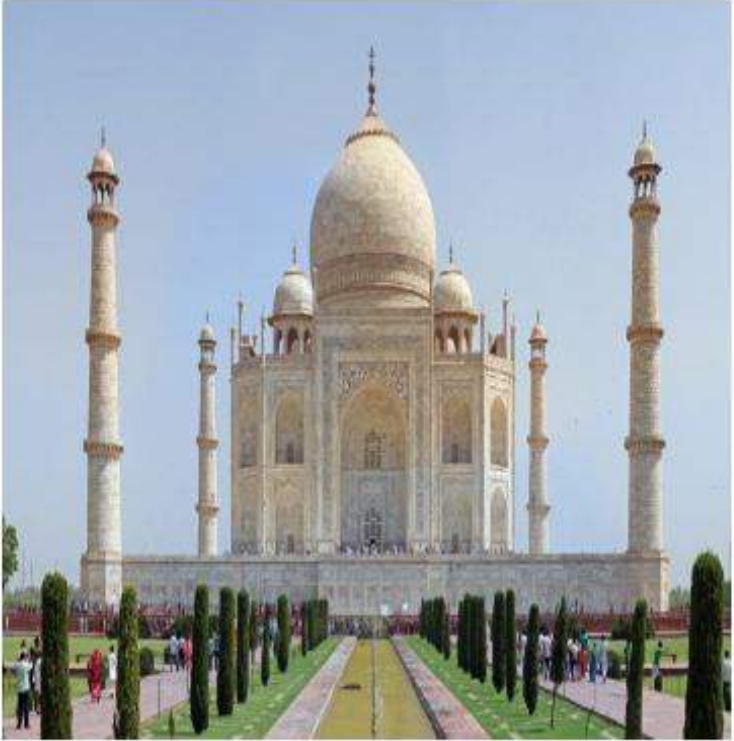
What is the name of this famous landmark?



☐ Hagia Sophia
☐ Taj Mahal
☐ Al Aqsa Mosque

Revision 2

What is the name of this famous landmark?



☐ Hagia Sophia
☐ Taj Mahal
☐ Al Aqsa Mosque
☐ Bahá'í Temple



Meta tags

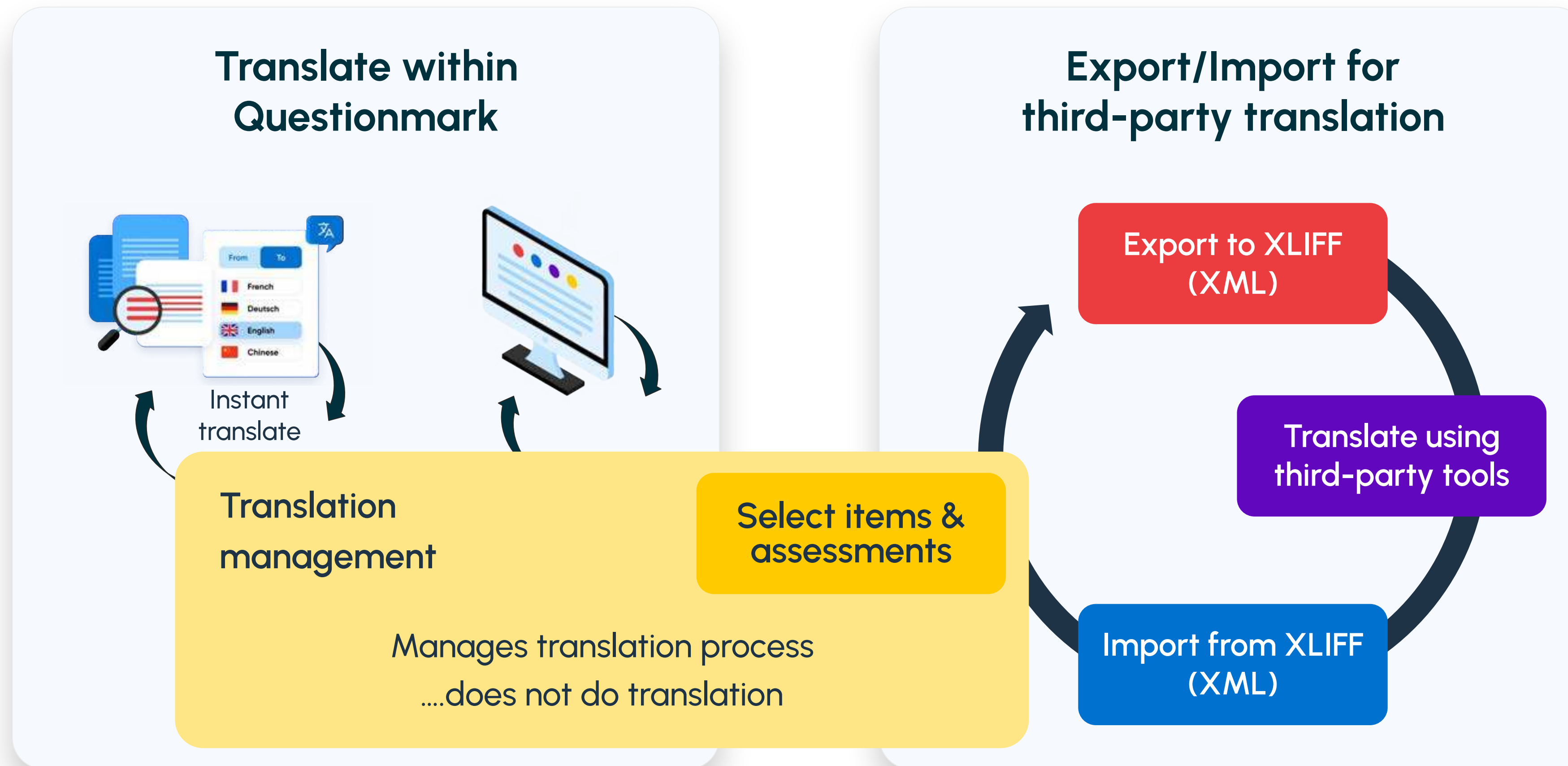
- Create meta tags and values
- Assign to items
 - Individually
 - In batches
- Set default values
- Lock/unlock meta tags
 - Prevent meta tags from being imported via Qpacks
- Use for
 - Search
 - Item selection in dynamic assessments
 - Available in some reports

The screenshot displays the 'Bloom's Taxonomy' meta-tag configuration in the Questionmark software. The main window has a breadcrumb trail 'Home > Metatags > Metatag' and buttons for 'Save' and 'Cancel'. The title is 'Bloom's Taxonomy'. Below it is a 'Description' field with the placeholder 'Enter description'. There is a checkbox for 'Mandatory'. The 'Values' section includes buttons for '+ New', 'x Delete', and 'Toggle default'. A table lists the values:

<input type="checkbox"/>	Name ▲
<input type="checkbox"/>	Analysis
<input type="checkbox"/>	Application

An 'Update question metatags' dialog is open in the foreground. It has a close button (x) in the top right. The dialog contains three radio button options: 'Add selected metatags' (selected), 'Remove existing metatags and add selected metatags', and 'Remove existing metatags'. Below these are two expandable sections, each with a green checkmark icon and a folder icon. The first section is '3-Tier Item Difficulty Rating - Difficulty rating of item' and contains three sub-items: 'Most Difficult (P-value < 0.450)' (unchecked), 'Moderately Difficult (P-value ≥ 0.45 and ≤ 0.800)' (checked), and 'Least Difficult (P-value > 0.800)' (unchecked). The second section is 'Bloom's taxonomy - Bloom's taxonomy' and contains three sub-items: '2 Comprehension' (checked), '4 Analysis' (unchecked), and '6 Evaluation' (unchecked). At the bottom of the dialog are 'Update' and 'Cancel' buttons.

| Managing multilingual assessments



Translation management for multilingual assessments

[Home](#) » [Topics](#) » Question Translations

Base Language

English (United States)

Target language

French (France) ▼

Editable fields

Option 4

Option 5

Outcome Condition

Outcome Message 1

Outcome Message 2

Wording

Translation status

Translated ▼

Properties

Save

Exit

◀ Previous Question

Next Question ▶

?

Path: Round the world\America\Southernmost city in world

Base

Correct. The southernmost city in the world, Ushuaia, is located in Argentina.

Target

B I U x₂ x² [list icons]

Corriger. La ville la plus méridionale du monde, Ushuaia, est située en Argentine.

➔ Import XLIFF

💬 Topic translations

💬 Question translations

💬 Topic Translations Editor

Multilingual interfaces

- Arabic (العربية)
- Bulgarian (Български)
- Catalan (Català)
- Chinese, Simplified (简体中文)
- Chinese, Traditional (繁體中文)
- Croatian (Hrvatski)
- Czech (Čeština)
- Danish (Dansk)
- Dutch (Nederlands)
- English
- Finnish (Suomi)
- French (Français)

- German (Deutsch)
- Greek (Ελληνικά)
- Hebrew (עברית)
- Hindi (हिन्दी)
- Hungarian (Magyar)
- Indonesian (Bahasa Indonesia)
- Italian (Italiano)
- Japanese (日本語)
- Korean (한국어)
- Norwegian Bokmål (Bokmål)
- Persian (فارسی)
- Polish (Polski)
- Portuguese, Brazil
- Portuguese, Portugal (Português)

- Romanian (Română)
- Russian (Русский)
- Serbian (Српски)
- Slovenian (Slovenščina)
- Spanish (Español)
- Swedish (Svenska)
- Thai (ภาษาไทย)
- Turkish (Türkçe)
- Ukrainian (Українська)
- Urdu (اردو)
- Vietnamese (Tiếng Việt)
- Welsh (Cymraeg)



| Authoring: Summary of key points

Question authoring

- Collaborative, browser-based and secure
- 20 question types
- Tool that SMEs can use directly
- Include video, audio, equations and more
- Item versioning and version history
- Search questions to identify those that need update

Assessment authoring

- Random selection of questions from item bank
- Random ordering of questions and choices
- Set a pass score including topic prerequisites
- Set time limit for assessment, question block, and/or questions
- Topic scoring and feedback



Assessment Delivery

Assessment delivery methods

Questionmark Portal

- Schedules/My Assessments
- Schedules/Observational Assessments
- Schedules/Test Center Delivery

LMS Integration

- Standards
- AICC
- SCORM
- LTI
- "Headless" Launch

APIs

- Get participant's actionable schedules
- Invoke the "start" action
- "Headless" Launch

Paper

- Printing and Scanning



Schedules control the “who/what/when” of assessment delivery

What

The assessment(s) to be delivered

Who

Participants / groups allowed to take an assessment

When

Date ranges exam is available

Security

- Proctoring
- Test center

Number of attempts

- Max # attempts
- Resumable?

Security

Email broadcast / notify participants scheduled for exam

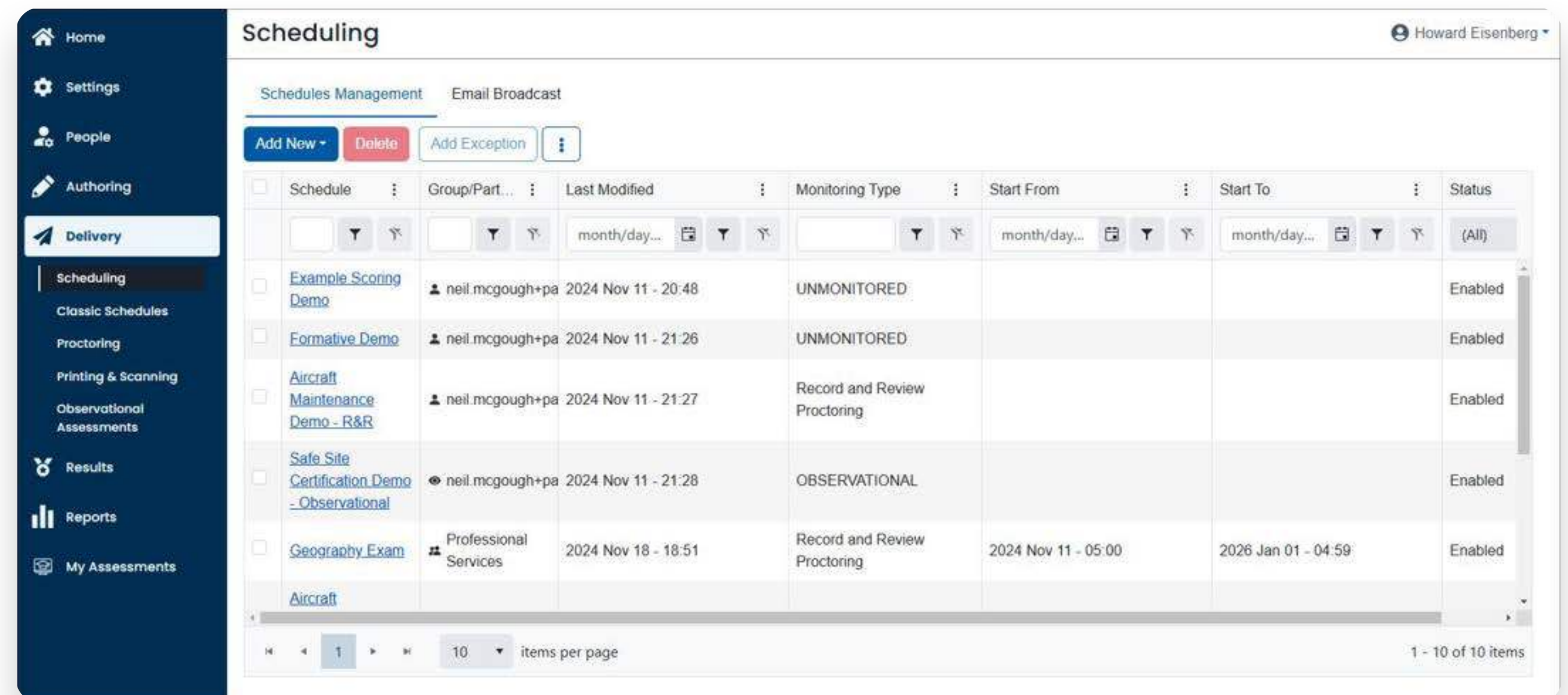
Number of attempts

If/when a Coaching Report available to participants

Schedules

Schedules are authorization records that allow you to deliver the right assessment, to the right participant, at the right time.

- Constrain the testing window
- Specify the conditions under which the assessment is administered
 - With proctoring
 - At a test center only
 - Via a secure browser only
 - As an observational assessment
- Grant accommodations
 - Extra time
 - Instant translate
 - Text-to-speech



The screenshot displays the 'Scheduling' interface in the Questionmark software. On the left is a dark blue sidebar with navigation links: Home, Settings, People, Authoring, Delivery (selected), Scheduling (sub-selected), Classic Schedules, Proctoring, Printing & Scanning, Observational Assessments, Results, Reports, and My Assessments. The main content area is titled 'Scheduling' and includes tabs for 'Schedules Management' and 'Email Broadcast'. Below these are buttons for 'Add New', 'Delete', 'Add Exception', and a menu icon. A table lists several schedules with columns for checkboxes, Schedule names, Group/Part, Last Modified, Monitoring Type, Start From, Start To, and Status. The table contains five rows of data, including 'Example Scoring Demo', 'Formative Demo', 'Aircraft Maintenance Demo - R&R', 'Safe Site Certification Demo - Observational', and 'Geography Exam'. The bottom of the interface shows pagination controls for 10 items per page, indicating 1 of 10 items.

	Schedule	Group/Part...	Last Modified	Monitoring Type	Start From	Start To	Status
<input type="checkbox"/>	Example Scoring Demo	neil.mcgough+pa	2024 Nov 11 - 20:48	UNMONITORED			Enabled
<input type="checkbox"/>	Formative Demo	neil.mcgough+pa	2024 Nov 11 - 21:26	UNMONITORED			Enabled
<input type="checkbox"/>	Aircraft Maintenance Demo - R&R	neil.mcgough+pa	2024 Nov 11 - 21:27	Record and Review Proctoring			Enabled
<input type="checkbox"/>	Safe Site Certification Demo - Observational	neil.mcgough+pa	2024 Nov 11 - 21:28	OBSERVATIONAL			Enabled
<input type="checkbox"/>	Geography Exam	Professional Services	2024 Nov 18 - 18:51	Record and Review Proctoring	2024 Nov 11 - 05:00	2026 Jan 01 - 04:59	Enabled

My assessments

Home

My Assessments

Collapse

406529

My Assessments

Debbie Eisenberg

Hi Debbie Eisenberg, welcome to your assessments

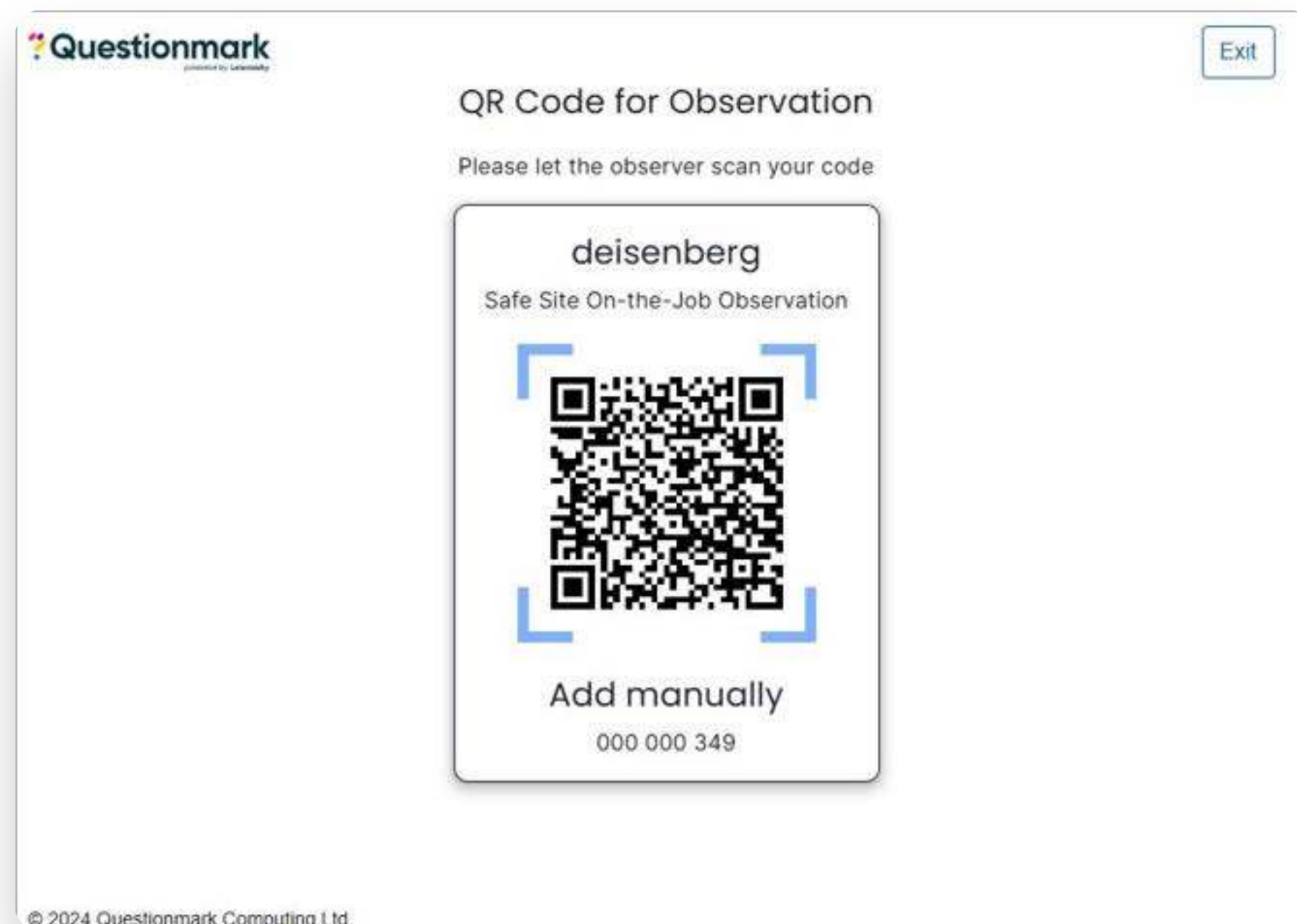
Go to list of classic schedules

Name	Attempts left	Available from	Available until	Delivery	Actions
Geography Exam	1 of 1	11/11/2024 - 00:00	12/31/2025 - 23:59	Record and Review Proctoring	Start
Geography Test	Unlimited			Unmonitored	Start
Nursing Test	Unlimited			Unmonitored with Instant Translate	Start
Nursing Certification Exam	1 of 1	11/18/2024 - 00:00	11/30/2024 - 23:59	OnSite Proctoring	Start
Nursing Exam	1 of 1	11/18/2024 - 00:00	11/30/2024 - 23:59	Proctoring Online	
Safe Site On-the-Job Observation	1 of 1			OBSERVATIONAL	Start

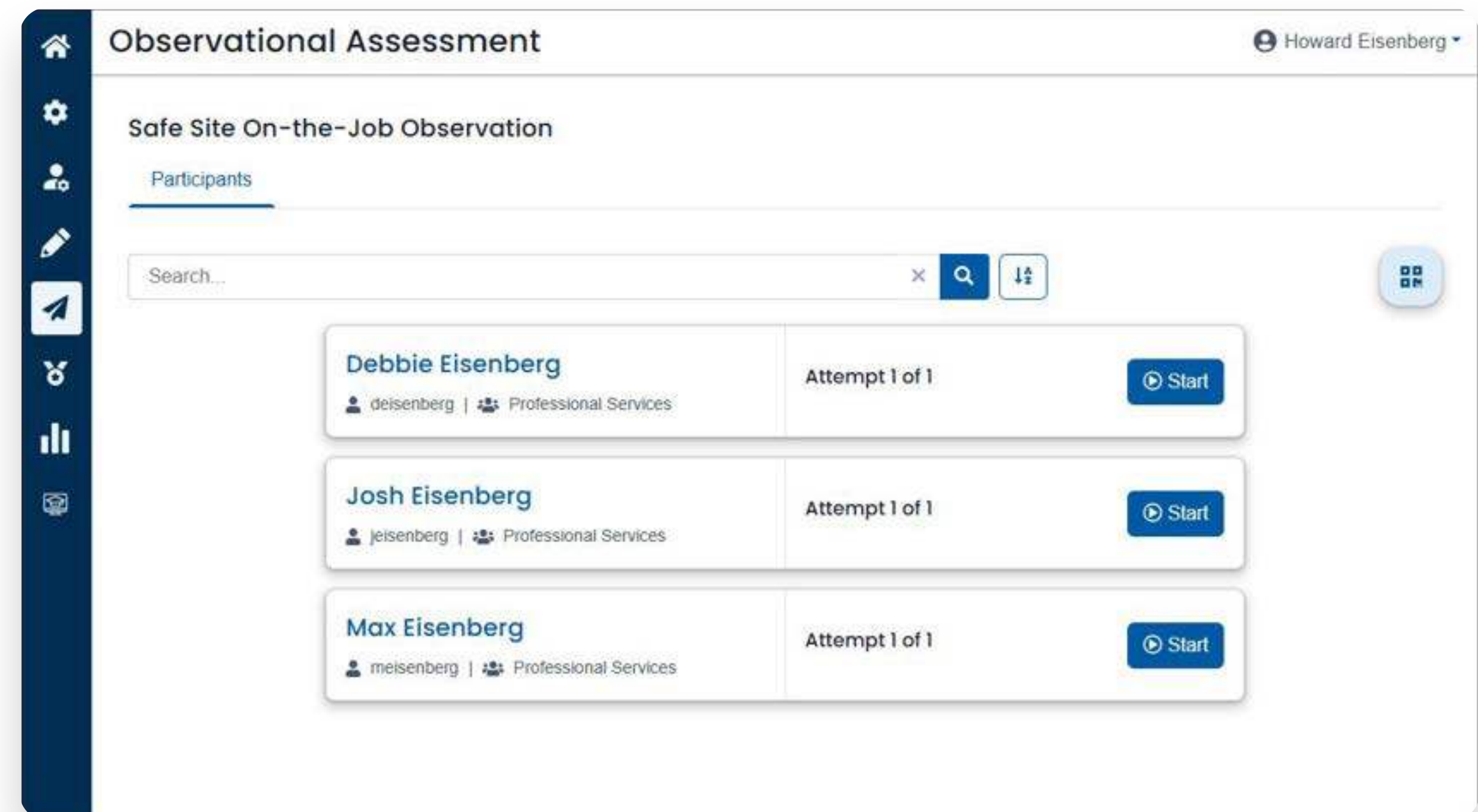


Observational assessment

Participant initiates observational assessment from *My Assessments*



Administrator initiates observational assessment from a group schedule

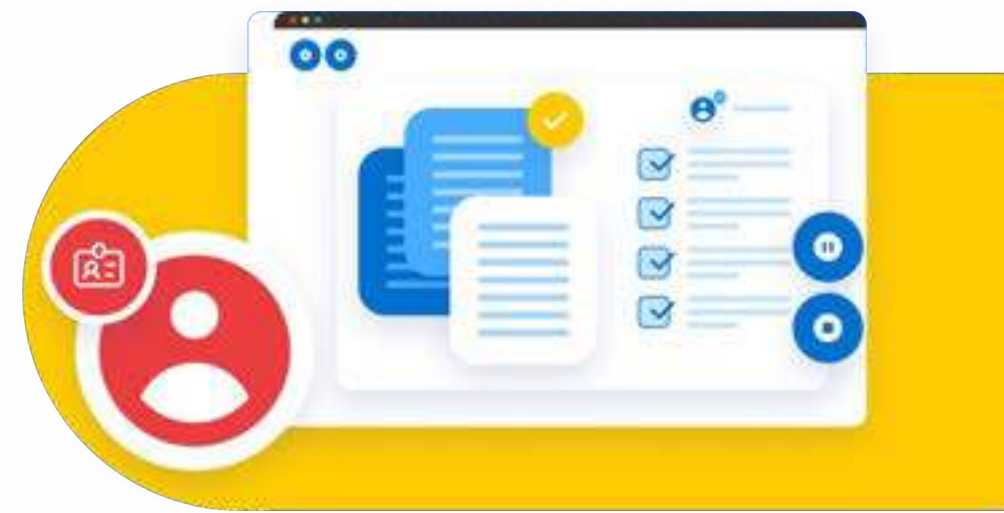


Proctoring options



Proctoring Onsite

- Proctor tools and dashboard
- Generate "unlock" code for test
- Start, pause, un-pause and stop
- Monitor exam status of each test taker



Proctoring Live Online

- Proctored exam delivery at home or workplace
- Works with most standard webcams/audio
- Live proctor can start, pause, and stop exam



Proctoring Record and Review

- Automated, objective data analytics to flag anomalies
- No appointment needed
- ID verification options
- Professional Review available

Real-time exam controls for proctors

Time remaining: 00:59:47
Proctor paused your exam.

Questionmark
powered by Learnosity

Block 2 of 3

Assessment progress:

Time remaining: 01:00:00

Feb 13 2024 | tryout

3 of 4

For each of the following statements select whether it is:

Confirmed by the data in the table

Contradicted by the data in the table

Neither supported nor opposed by the data in the table

patients in the survey

patients in Clinic 1 using

veyed used more than

ange the cleansing

products they use.

Daisy is the highest selling brand of cleanser.

Those who attend clinic 3 are more likely to use "other brands" than users of the other 2 clinics.

Cleansing Product Brand

Percentage Using Product Clinic 1

Percentage Using Product Clinic 2

Percentage Using Product Clinic 3

Clarity

22%

25%

20%

Daisy

46%

51%

39%

Smooth'n'Gentle

29%

15%

25%

Silk

14%

9%

19%

Dermaclean

6%

5%

9%

Other brands

13%

15%

21%

Error

Proctor terminated your exam

OK

Question List

Previous

Next

Mark Question

Submit

Questionmark secure

- Secure browser for high-stakes assessments
- Reduce content theft, cheating; improve exam integrity



Windows



Mac

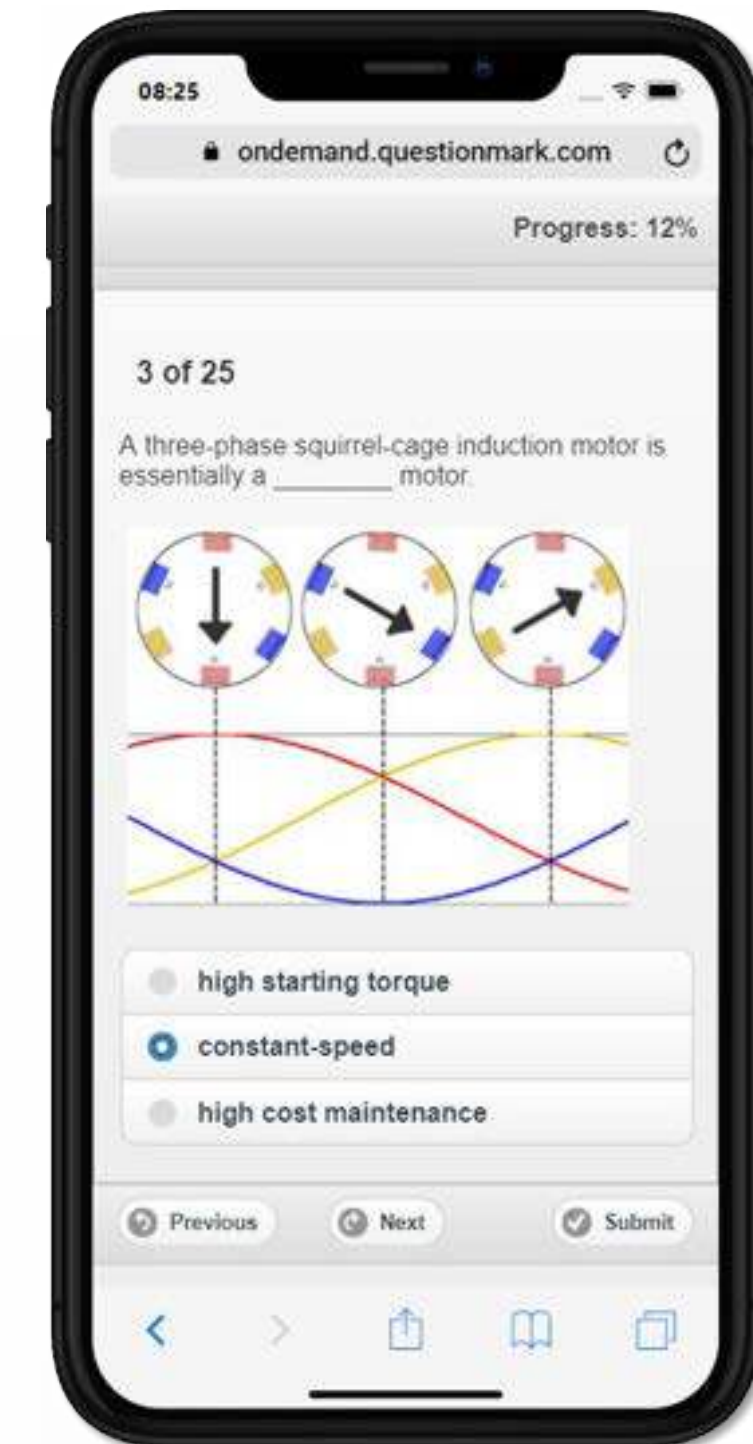
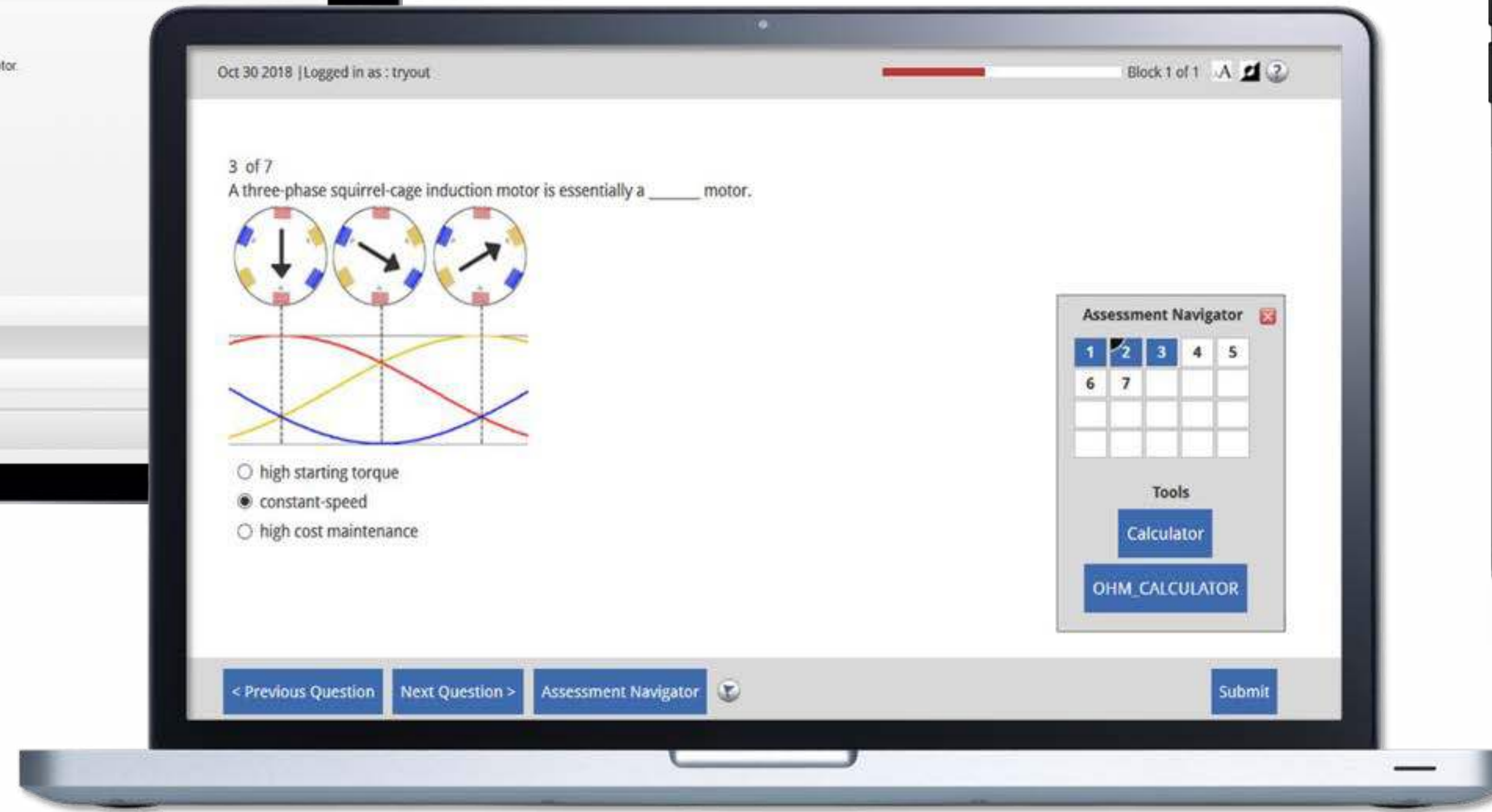
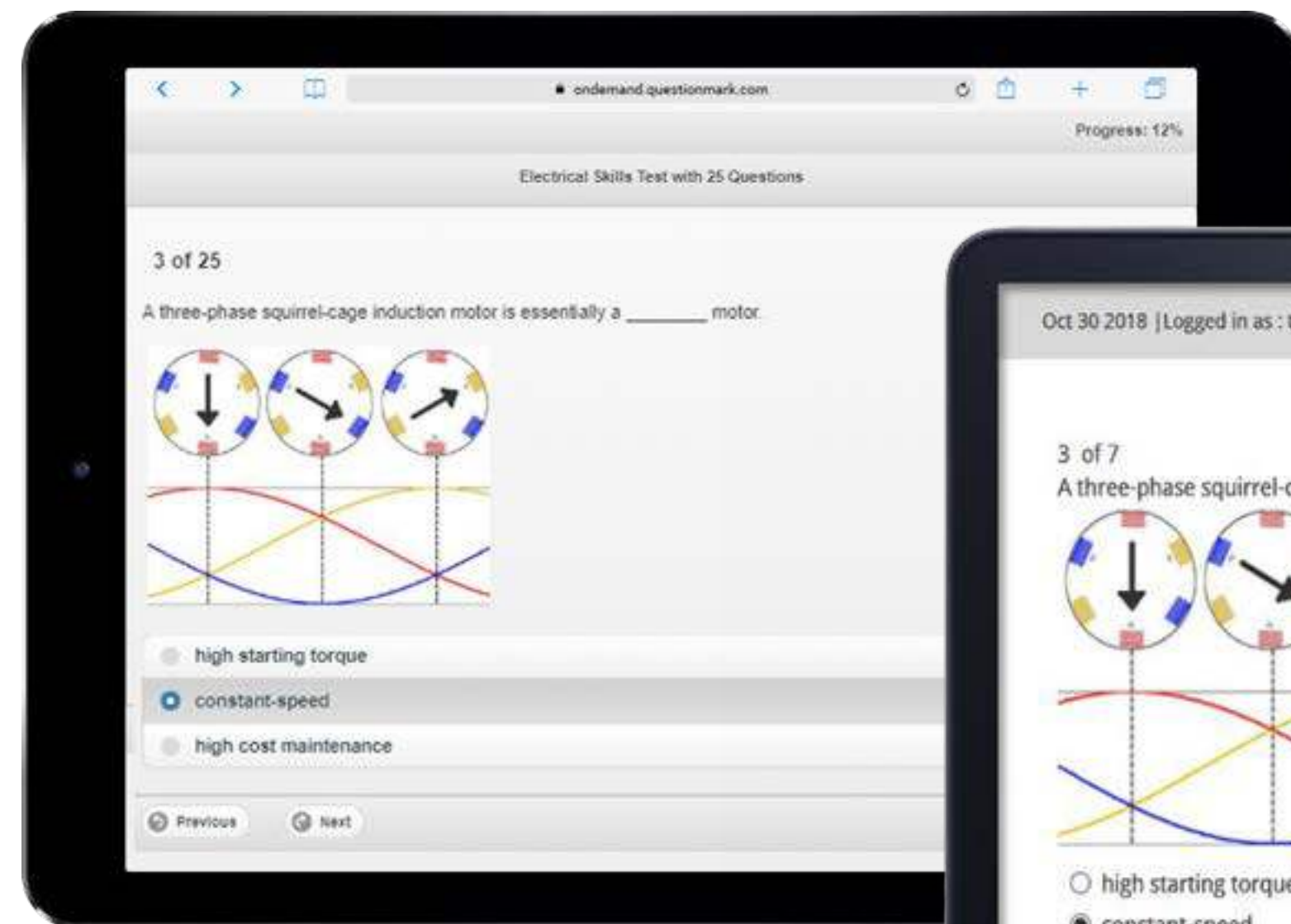


iOS

Prevents

Printing
Screen capture
Task switching
Control/system keys
Right-click/context menu options
View source
Accidentally exiting exam

Mobile delivery



Integration



Integration tools

EdTech Interoperability Standards

- AICC
- SCORM
- LTI
- xAPI

Authentication Standards

- SAML
- OAuth (planned for 2025)

APIs

- Authoring Odata API
- Delivery Odata API
- Results Odata API
- QMWISe API



LMS integration options

LMSs that customers integrate with Questionmark.

- Absorb
- Appinium
- Blackboard
- Canvas
- Classroom
- Cornerstone OnDemand
- D2L
- Docebo

- Elevate
- Kallidus
- LearnUpon
- Litmos
- LMS365
- MEDAD
- Meridian
- Moodle

- Northpass
- OpenSesame
- Pathlore
- Peoplesoft
- Saba
- SAP SuccessFactors
- Skilljar
- SumTotal

- TalentLMS
- TargetSolutions
- Thought Industries
- Thrive Learning
- TopClass
- Totara
- Vector Solutions
- Workday Learning

| Questionmark & Workday Learning

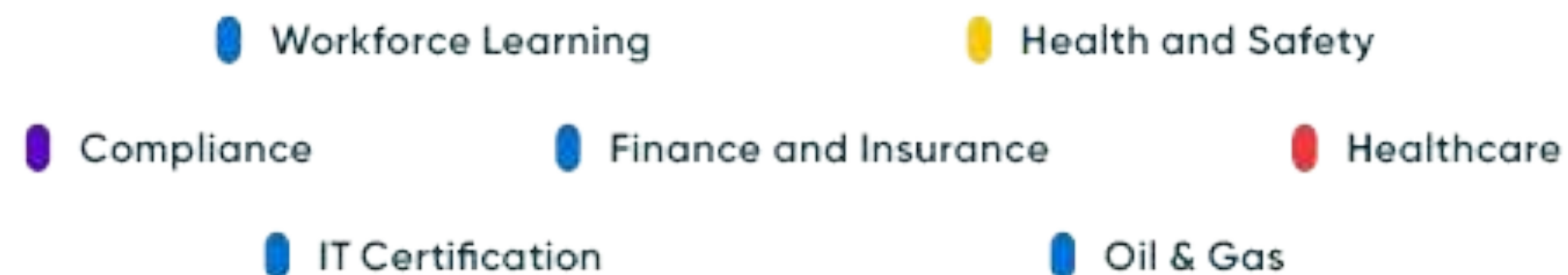
With Questionmark assessments integrated into Workday Learning, you can:

- Easily create, deliver, and analyze a wide range of assessments
- Deliver skill-based assessments including observational assessments (OJTs)
- Harness data for more informed decision-making
- Boost productivity with AI-powered assessment tools
- Seamlessly launch assessments from Workday Learning

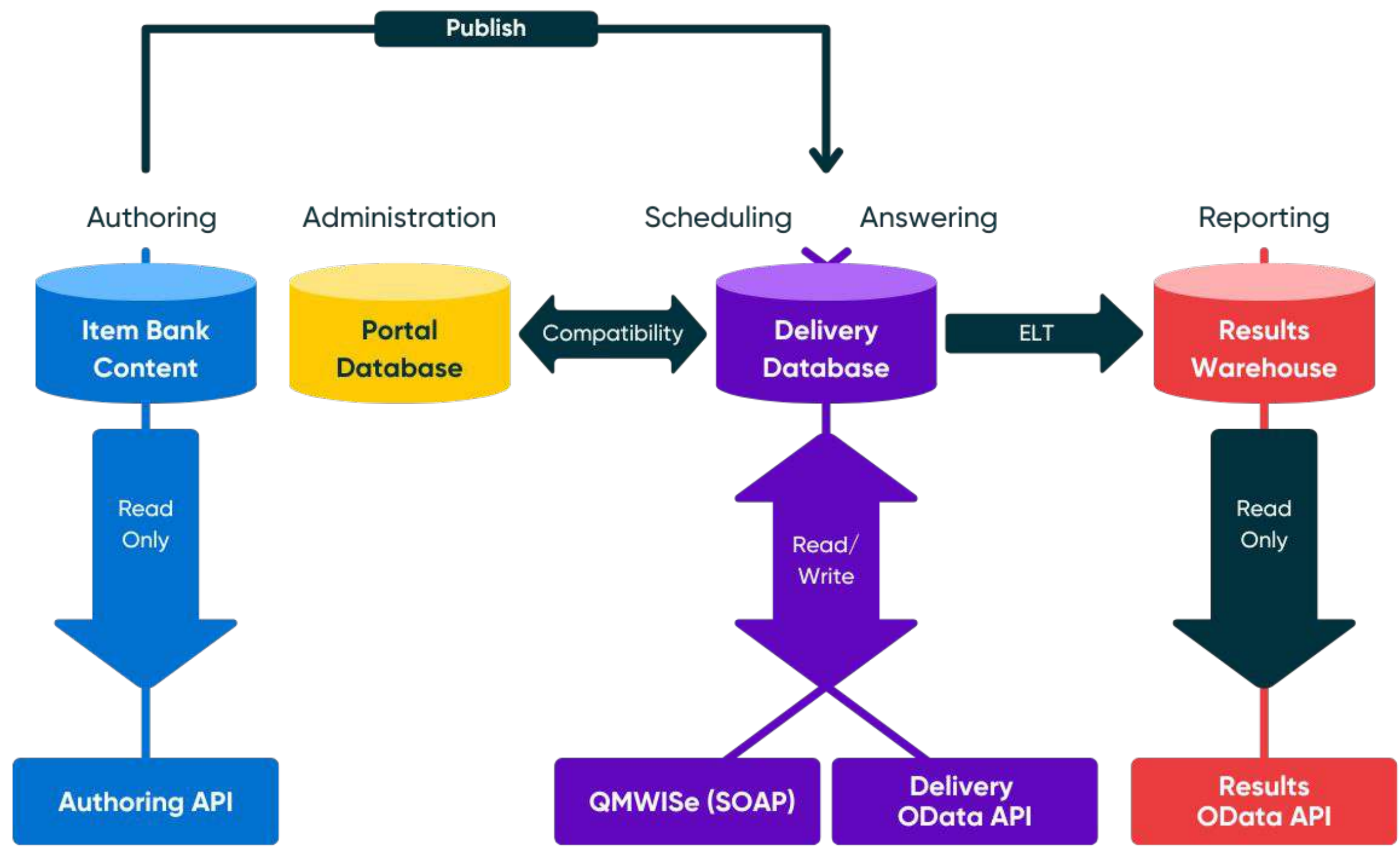
"We partnered with Questionmark for our customers who have very extensive needs to analyze or create a variety of interaction types to really measure and verify knowledge and capability."

Sonny Yuen

Senior Director of Product Strategy at Workday



API big picture



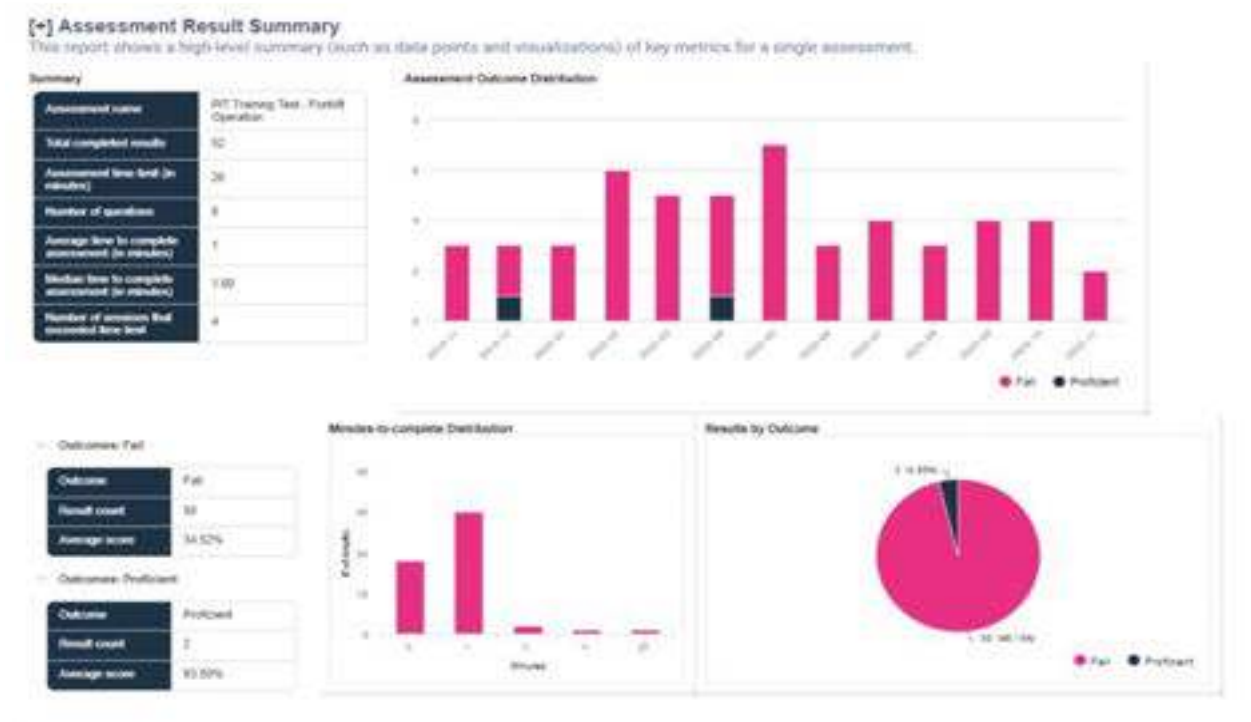
	QMWISE	Delivery OData	Results OData	Authoring API
Real-time	Yes	Yes	No	Yes
Read/Write	Yes	Yes	Read-only	Read-only
Protocol	SOAP	REST/OData	REST/OData	REST/OData



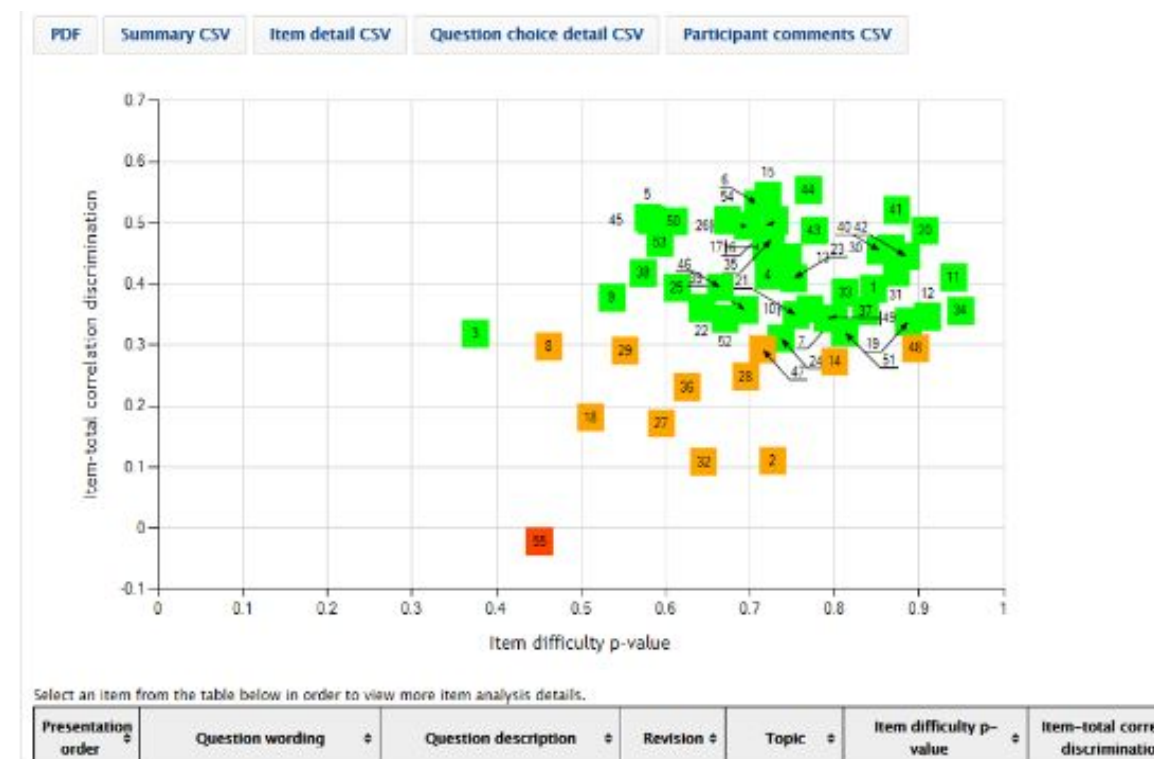


Reporting & Analytics

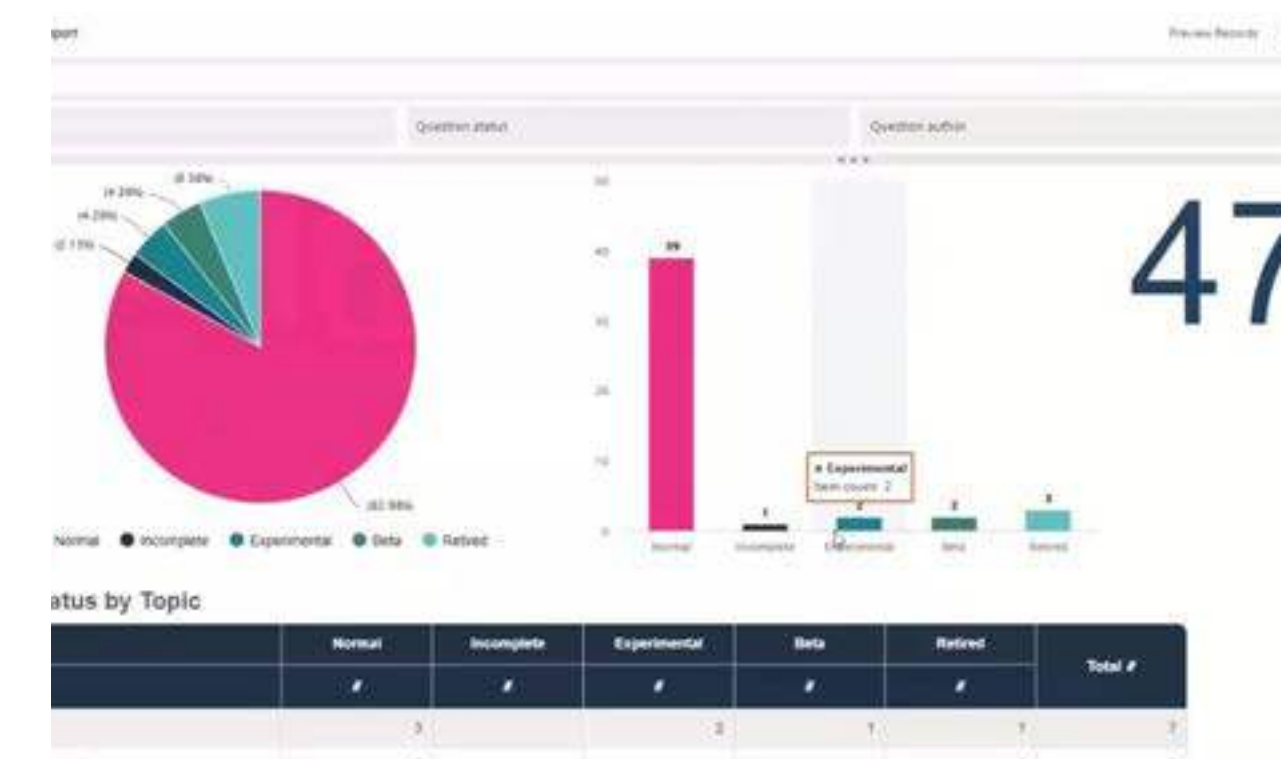
Areas of reporting



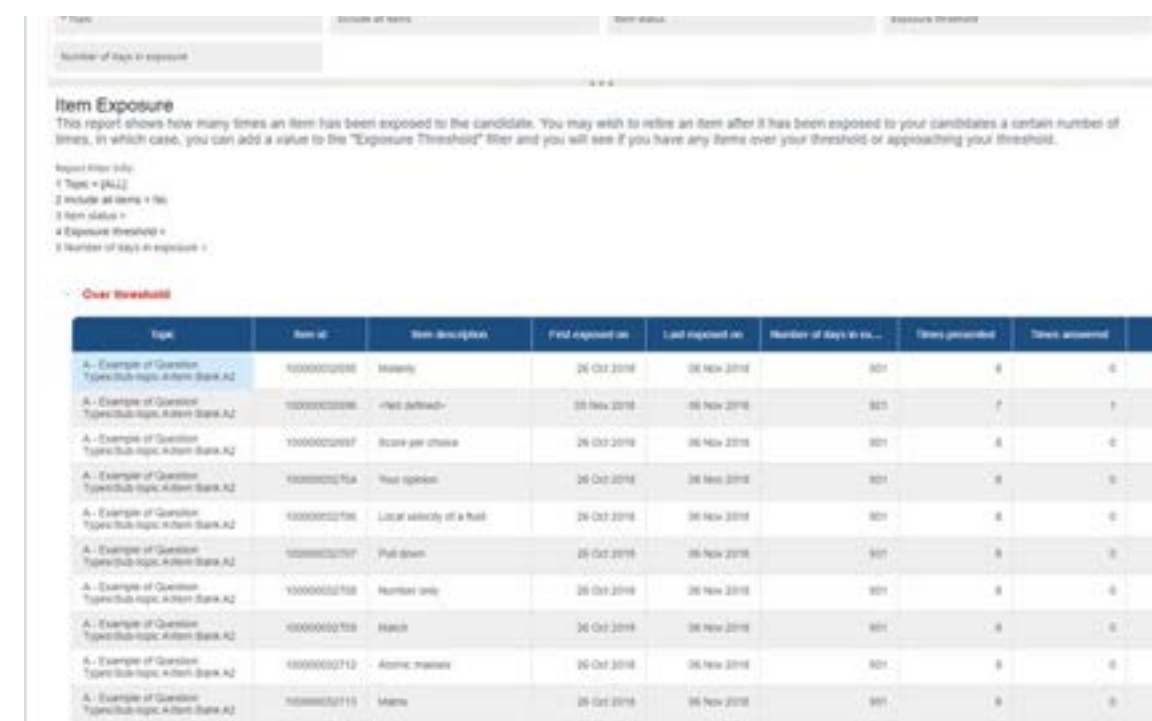
Participant/group performance



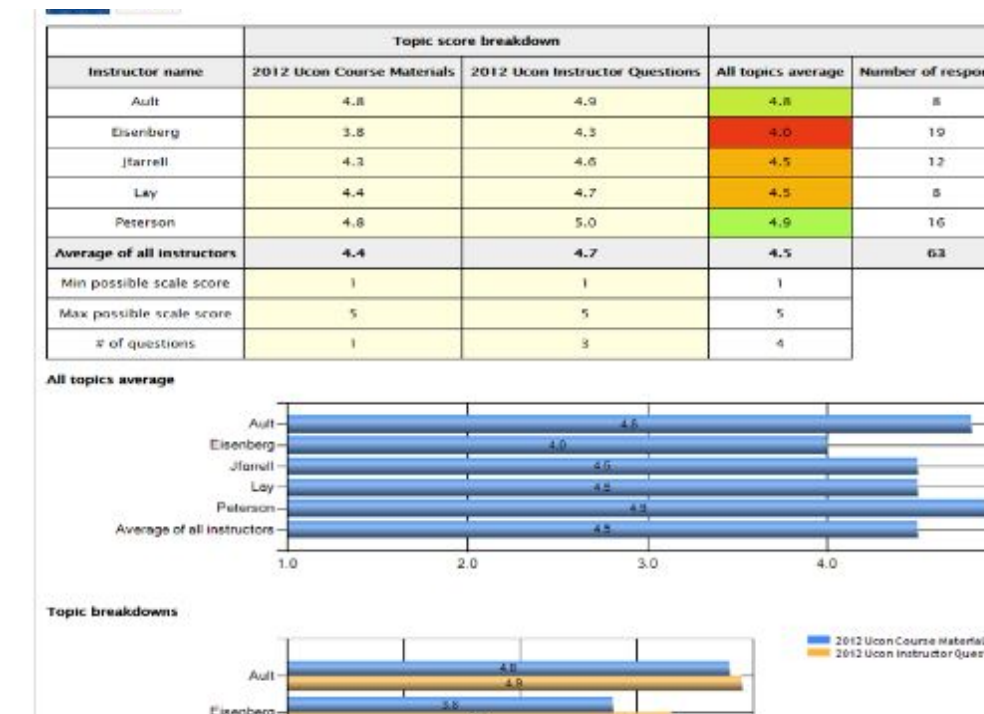
Psychometrics/Security



Item Bank Reports



Administrative/Audit Reports



Survey Reports



Reports by category and usage

Results by participants, groups, schedules

- Score list report
- Coaching/Score Report
- Transcript Report
- Grade Book Report
- Schedule Outcome*
- Results Export*
- Demographic report

Item and Assessment Performance

- Item Analysis
- Test Analysis*
- Assessment Results Summary*
- Test center analysis
- Assessment completion time
- Assessment Overview
- Assessment results over time

Item Bank

- Item Exposure*
- Item Revision History*
- Items by Status*
- Items Used by Assessments*
- Item Results by Metatag*
- Question type report
- Question frequency analysis

"Sandbox"

- Item Analysis Dashboard*
- Question Outcomes*
- Question Details*
- Question Scores*
- Schedule Attempt*
- Metatag Participant Heatmap*
- Topic Demographic Heatmap*
- Demographic Heatmap*

Survey analysis

- Survey Report
- Survey Frequency Analysis
- Job-task-analysis (JTA)
- Course Evaluation - Course Summary
- Course Evaluation - Instructor Summary
- Course Evaluation - Class Summary
- Course Evaluation - Class Detail

User / Administrative

- Usage Report*
- People Report*
- Manage Access Reports*



Key questions reporting can help answer...

Results by participants, groups, schedules

- How did participants do on the test?
- How did participants perform compared to others, or to benchmarks?
- What topics have participants mastered? Where do they need help?

Item and Assessment Performance

- Are my questions too easy or too hard?
- What is the psychometric quality of our questions and assessments?
- How are the tests performing over time?

Item Bank

- How many questions do I have by topic? By question type? By metatag value?
- Which items are ready to be published? Or need to be retired?
- What question edits have been made – when and by who?

"Sandbox"

New reports still in development

Survey analysis

- What did participants think of the learning?
- Are participants applying new knowledge and skills on the job?
- How satisfied are my candidates, students, employees or customers?

User / Administrative

- Which users have been created, and when did they last login?
- What roles/permissions do my users have?
- How many proctored assessments were delivered?



Global activity dashboard



Assessment result summary report

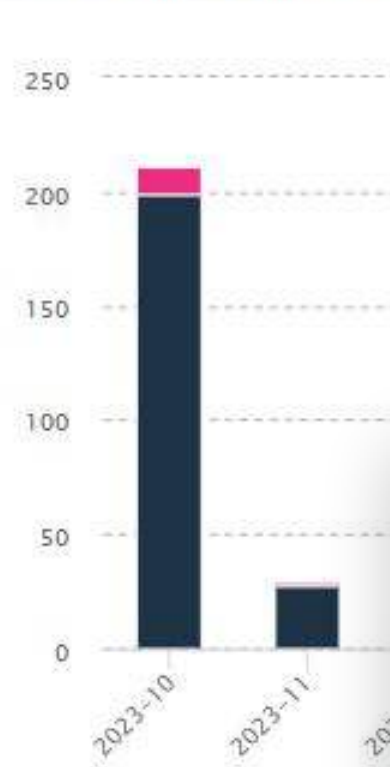
[+] Assessment Result Summary

This report shows a high-level summary (such as data points and visualizations) of key metrics for a single assessment.

Summary

Assessment name	Data Security Test 2023-2024
Total completed results	270
Assessment time limit (in minutes)	
Number of questions	26
Average time to complete assessment (in minutes)	52
Median time to complete assessment (in minutes)	27.44
Number of sessions that exceeded time limit	

Assessment Outcome Distribution



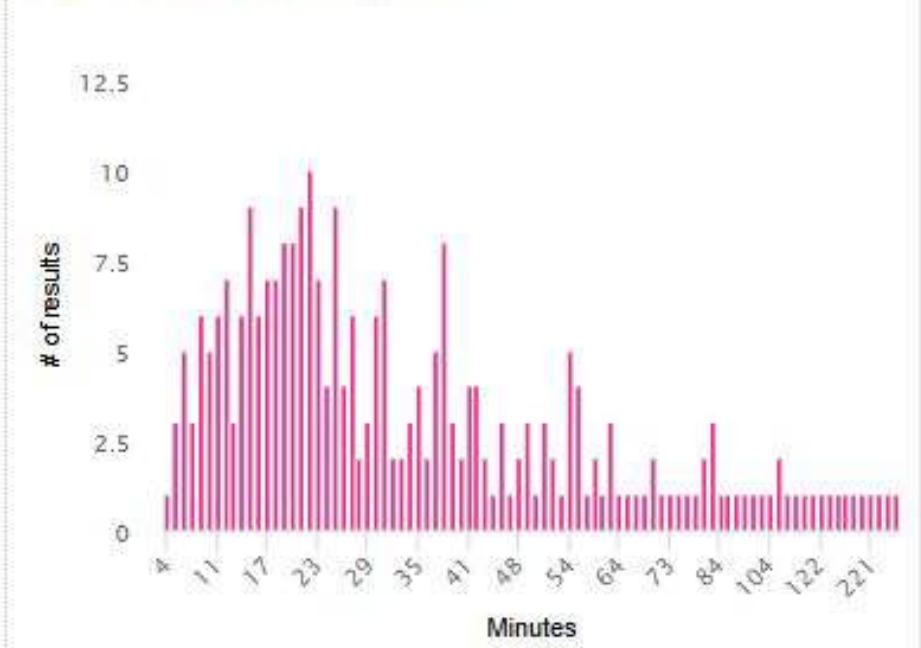
Outcomes: Fail

Outcome	Fail
Result count	20
Average score	71.20%

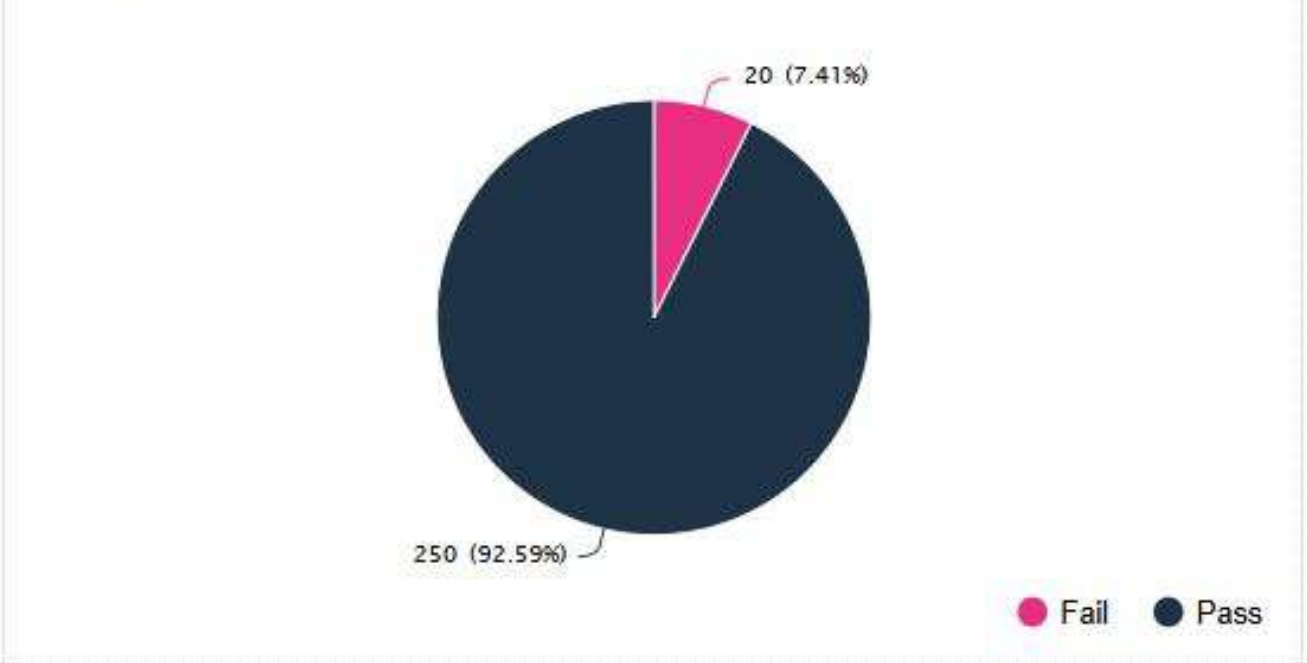
Outcomes: Pass

Outcome	Pass
Result count	250
Average score	91.70%

Minutes-to-complete Distribution



Results by Outcome



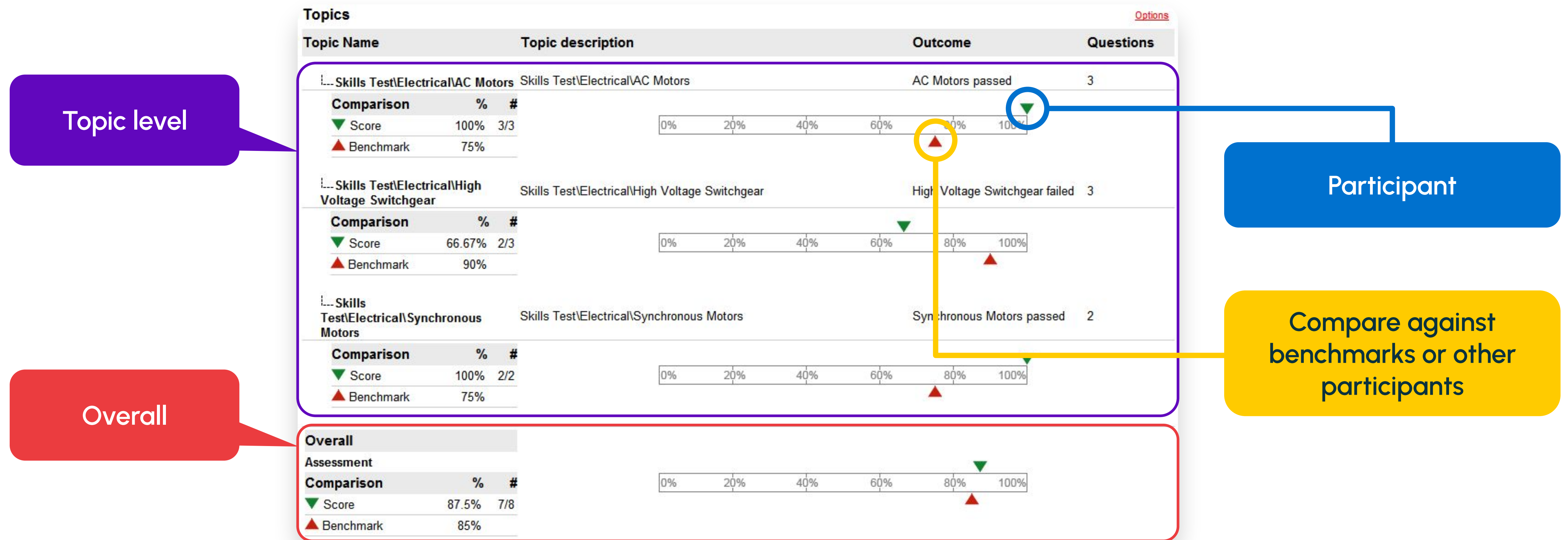
Topic participant heatmap report

		AC Motors	High Voltage Switchgear	Synchronous Motors	Total Score
		C - Industry Specific Questi...	C - Industry Specific Questi...	C - Industry Specific Questi...	
Participant	Group	Score	Score	Score	
Abigail Mathis	Assembly	75%	88%	80%	81%
Abigail Wallace	Maintenance	100%	88%	60%	83%
Adam Butler	Fabrication	100%	100%	100%	100%
Adrian Ball	Fabrication	75%	75%	40%	63%
Adrian Glover	Maintenance	83%	88%	80%	84%
Adrian Kerr	Fabrication	67%	75%	40%	61%
Adrian Langdon	Fabrication	67%	75%	40%	61%

Schedule outcomes with participant drill-down

Participant Details							
Not Started							
Outcome	ParticipantName	Assessment	ScoreBandTitle	ResultStatus	GroupName	MonitoringType	ScheduleStartTo
Not Started	Car	Hardware vs Soft...	Others	Not Started	Maintenance	Record and Review Proct...	2022-11-01T03:59...
Not Started	Cor	Hardware vs Soft...	Others	Not Started	Maintenance	Record and Review Proct...	2022-11-01T03:59...
Not Started	Hel	Hardware vs Soft...	Others	Not Started	Maintenance	Record and Review Proct...	2022-11-01T03:59...
Not Started	Nor	Hardware vs Soft...	Others	Not Started	Maintenance	Record and Review Proct...	2022-11-01T03:59...
Not Started	tom	Hardware vs Soft...	Others	Not Started	Maintenance	Record and Review Proct...	2022-11-01T03:59...
Completed							
Outcome	ParticipantName	Assessment	ScoreBandTitle	ResultStatus	GroupName	MonitoringType	ScheduleStartTo
Completed - Outcome=Pass	Tay	Hardware vs Soft...	Pass	Finished Normally	Maintenance	Record and Review Proct...	2022-11-01T03:59...
Completed - Outcome=Fail	bb	Hardware vs Soft...	Fail	Finished Normally	Maintenance	Record and Review Proct...	2022-11-01T03:59...
Completed - Outcome=Fail	Be	Hardware vs Soft...	Fail	Finished Normally	Maintenance	Record and Review Proct...	2022-11-01T03:59...
Completed - Outcome=Pass	Jar	Hardware vs Soft...	Pass	Finished Normally	Maintenance	Record and Review Proct...	2022-11-01T03:59...
Completed - Outcome=Fail	Ne	Hardware vs Soft...	Fail	Finished Normally	Maintenance	Record and Review Proct...	2022-11-01T03:59...

Participant-facing coaching/score report



Test analysis report

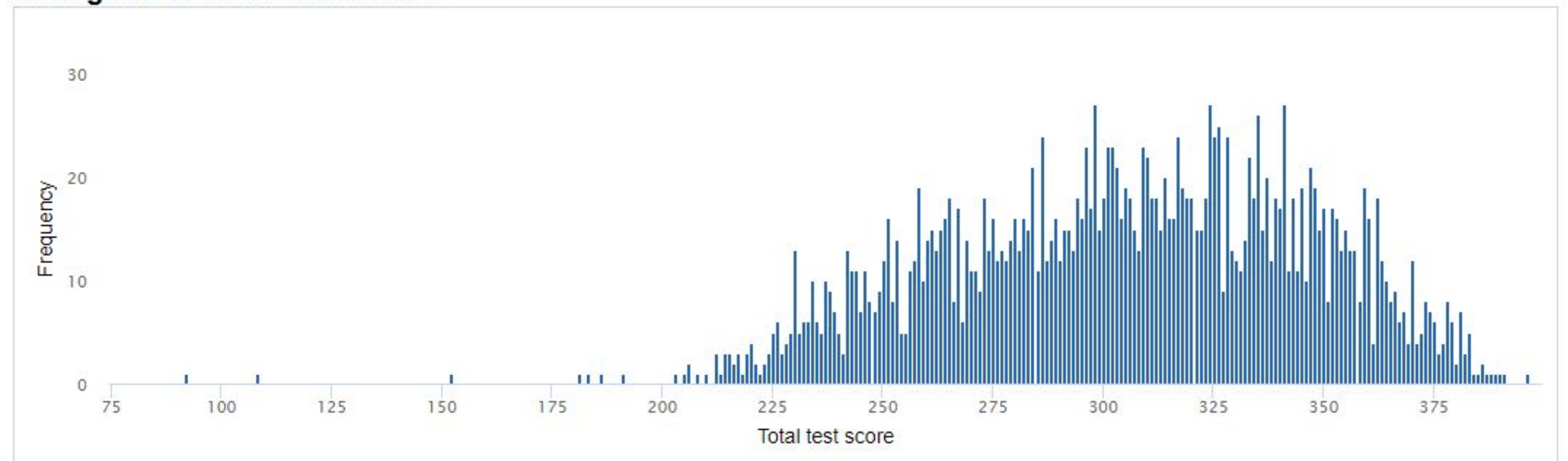
Number of examinees	2157
Number of items	100
Maximum possible score	400
Minimum achieved score	92/400 (23%)
Maximum achieved score	396/400 (99%)

Mean	304.56/400 (76.14%)
Median	307/400 (76.75%)
Mode	298/400 (74.5%)
Standard deviation	41.16/400 (10.29%)
Variance	1694.06/400 (423.51%)

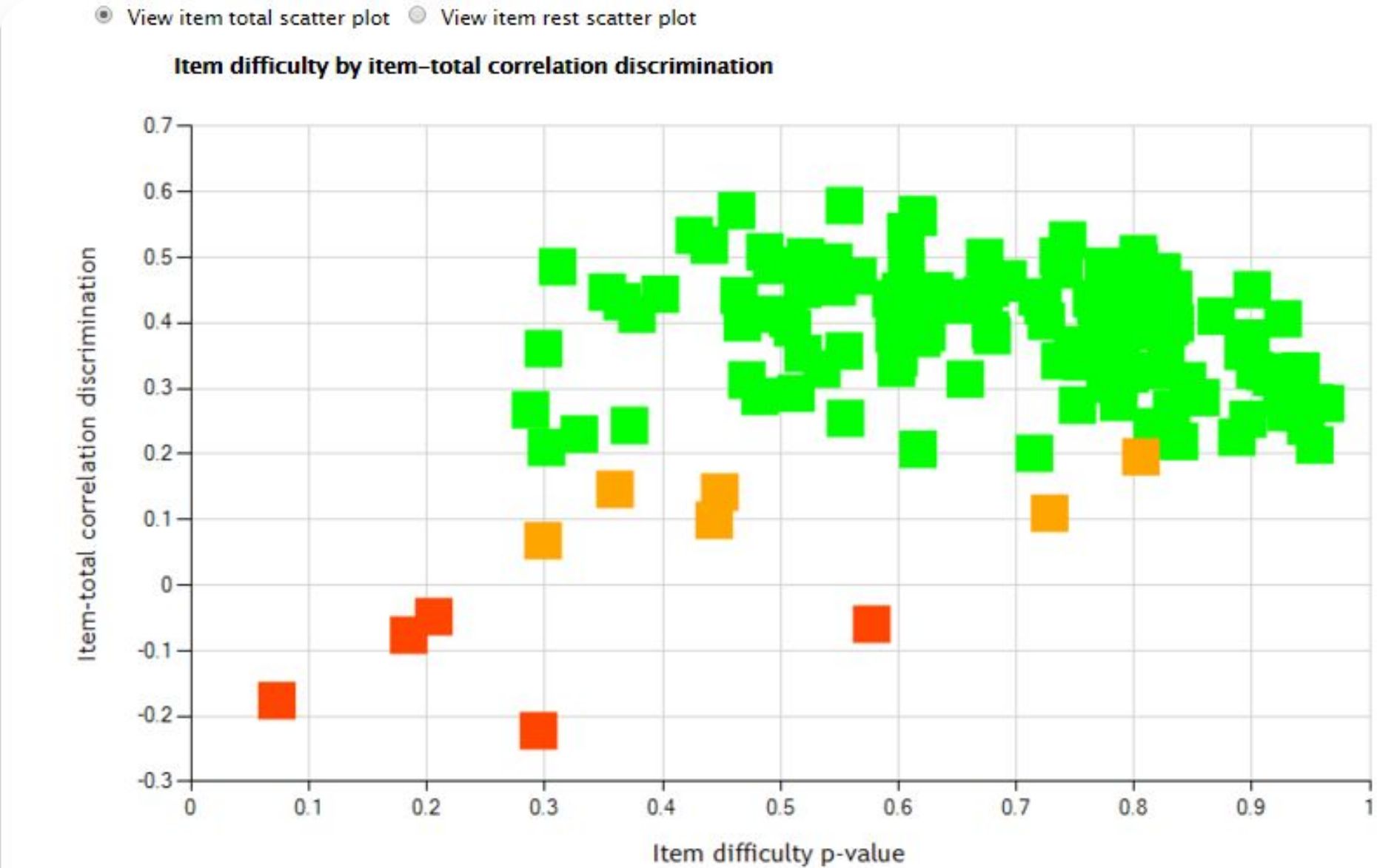
Standard error of mean	0.89/400 (0.22%)
Standard error of measurement	9.3/400 (2.33%)
Skew	-0.322
Kurtosis	-0.166
Test reliability (Cronbach's Alpha) (*Reliability is most meaningful if all items cover the same subject area)	0.949

Calculates a reliability coefficient for the test form and the topics represented on the test.

Histogram of Total Test Scores



Item Analysis – interactive summary view



Polytomous items are not plotted on this chart.

This assessment contains at least one item pulled at random from the item bank or at least one block in which question presentation order is randomized, therefore presentation order is not applicable.

Select an item from the table below in order to view more item analysis details.

Presentation order	Question wording	Question description	Question type	Perception question id (Revision)	Topic	Item difficulty p-value	Item-total correlation discrimination	Item-rest correlation discrimination	Average item score	Max possible score
N/A	$(-1)51 =$	Math Computation_04	Multiple Choice	0000100002404168 (6)	PAX_PN_Math	0.887	0.226	0.184	0.887	1
N/A	$x =$	Math Computation_RN10	Multiple Choice	0000100002405182 (6)	PAX_RN_Math	0.366	0.433	0.374	0.366	1
N/A	$1.20 + 3(0.30 \times 0.30)$	Math Computation_13	Multiple Choice	0000100002404185 (6)	PAX_PN_Math	0.725	0.403	0.348	0.725	1



Item Analysis – Item details view

Presentation order	Question wording	Question description	Revision	Item difficulty p-value	Item-total correlation discrimination	Item-rest correlation discrimination
N/A	In the figure below, a line intersects two parallel lines. Determine the value of $y + x$.	Math Problem Solving_RN23	7	♦ 0.185 (+/- 0.019)	■ -0.076 (-0.048/+0.048)	■ -0.133 (-0.047/+0.048)

Description of item performance

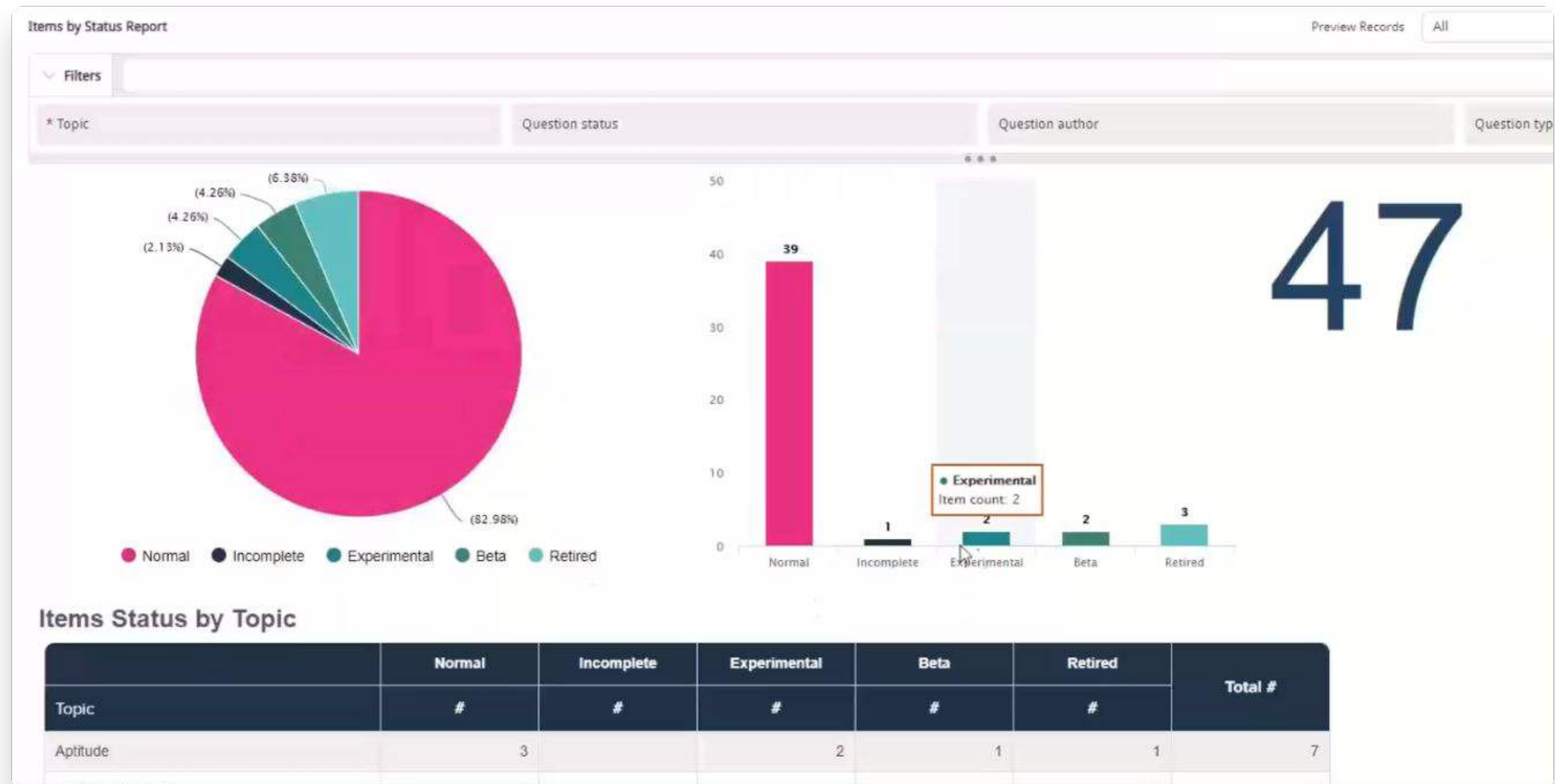
- This item has a low or negative item-total correlation. On average, low-ability participants are performing nearly as well as (or better than) high-ability participants on this item. This item may be keyed incorrectly. If the item key is correct, review the content of the item in the context of the assessment, instruction, and sample of participants to inform decisions about editing or removing this item. Note that item difficulty can affect item-total correlation, in that items of high and low difficulty may have lower discrimination statistics.
- This item may be too easy or too difficult. Note that item difficulty can affect item-total correlation, in that items of high or low difficulty may have lower discrimination statistics. Review the content of the item in the context of the assessment, instruction, and sample of participants to inform decisions about editing or removing this item.
- Compared with other distracters, few examinees selected outcome number 4 for this item. Consider reviewing the content of this distracter to determine if it can be revised to attract more participants.
- The percentage of high-ability participants selecting the outcome number(s) 1, 2 is greater than the percentage of low-ability participants selecting the outcome(s). Low-ability participants are generally expected to select distractors at higher rates than high-ability participants. Consider reviewing the content of the distractor to determine why this is occurring.
- The percentage of low-ability participants selecting the correct answer (key) to this item is greater than the percentage of high-ability participants selecting the correct answer. High-ability participants are generally expected to select the correct answer at a higher rate than low-ability participants. Consider reviewing the content of the correct answer to determine why this is occurring.
- The percentage of average-ability participants selecting the correct answer (key) to this item is greater than the percentage of high-ability participants selecting the correct answer. High-ability participants are generally expected to select the correct answer at a higher rate than average-ability participants. Consider reviewing the content of the correct answer to determine why this is occurring.

Item details

Question type	Multiple Choice
Question status	Normal
Question minimum possible score	0
Question maximum possible score	1
Number of participants presented the question	463
Number of participants who responded to the question	428
Item difficulty p-value	♦ 0.185 (+/- 0.019)
Item-total correlation discrimination	■ -0.076 (-0.048/+0.048)
Item-rest correlation discrimination	■ -0.133 (-0.047/+0.048)
High-Low discrimination	-0.02
Item reliability	-0.03
Perception question id	0000100002405211
Topic	PAX_RN_Math

Answer option information		Number and percentage of participants achieving scores			
Outcome #	Answer option	All	Upper 27%	Middle 46%	Lower 27%
1	60°	150 (32.4%)	30 (24.2%)	76 (35.7%)	44 (35.5%)
2	120°	188 (40.6%)	78 (62.9%)	85 (39.9%)	25 (20.2%)
3	180°	79 (17.1%)	16 (12.9%)	44 (20.7%)	19 (15.3%)
4	360°	11 (2.4%)	0 (0%)	4 (1.9%)	7 (5.6%)
5	No response	33 (7.1%)	0 (0%)	4 (1.9%)	29 (23.4%)
Total assessment mean score		62.7 %	86.9 %	65.7 %	35.4 %

Item status by topic



Item exposure report

Over threshold

Topic	Item id	Item description	First exposed on	Last exposed on	Number of days in exposure	Times presented	Times answered	Max score	Mean score	Author
C - Industry Specific Questions\Banking	100003197000	Example SJA - aviation	21 Dec 2018	11 Aug 2020	2127	28	26	1	0.11	607773
C - Industry Specific Questions\Banking	100003197029	Example SJA - oil and retail	21 Dec 2018	11 Aug 2020	2127	28	28	1	0.29	607773
C - Industry Specific Questions\Banking	100003203934	SJA - graduate recruitment	21 Dec 2018	11 Aug 2020	2127	28	27	1	0.43	607773
C - Industry Specific Questions\Banking	100003206593	SJA as survey content - 1	21 Dec 2018	11 Aug 2020	2127	28	28	0	0.00	607773
C - Industry Specific Questions\Banking	100006172832	ICAO	21 Dec 2018	11 Aug 2020	2127	28	26	1	0.14	manish.jaiswal@questionmark.com
C - Industry Specific Questions\Banking	100006172833	Vision Jet	21 Dec 2018	11 Aug 2020	2127	28	28	1	0.11	manish.jaiswal@questionmark.com
C - Industry Specific Questions\Banking	100006235166	Account Type	21 Dec 2018	24 Oct 2023	2127	39	26	1	0.26	manish.jaiswal@questionmark.com
C - Industry Specific Questions\Banking	100006235170	ARM, LIBOR, ISA	12 Jul 2022	12 Jul 2022	828	5	5	1	1.00	manish.jaiswal@questionmark.com
C - Industry Specific Questions\Banking	100006235176	correct statements	12 Jul 2022	12 Jul 2022	828	5	5	3	3.00	manish.jaiswal@questionmark.com
C - Industry Specific Questions\Banking	100006235185	Borrow from IMF	12 Jul 2022	12 Jul 2022	828	5	5	1	1.00	manish.jaiswal@questionmark.com
C - Industry Specific Questions\Banking	100006235192	International banks	21 Dec 2018	12 Jul 2022	2127	33	32	1	0.24	manish.jaiswal@questionmark.com
C - Industry Specific Questions\Banking	100006236239	d-electrons	12 Jul 2022	12 Jul 2022	828	5	5	3	0.00	manish.jaiswal@questionmark.com

Course evaluation reports

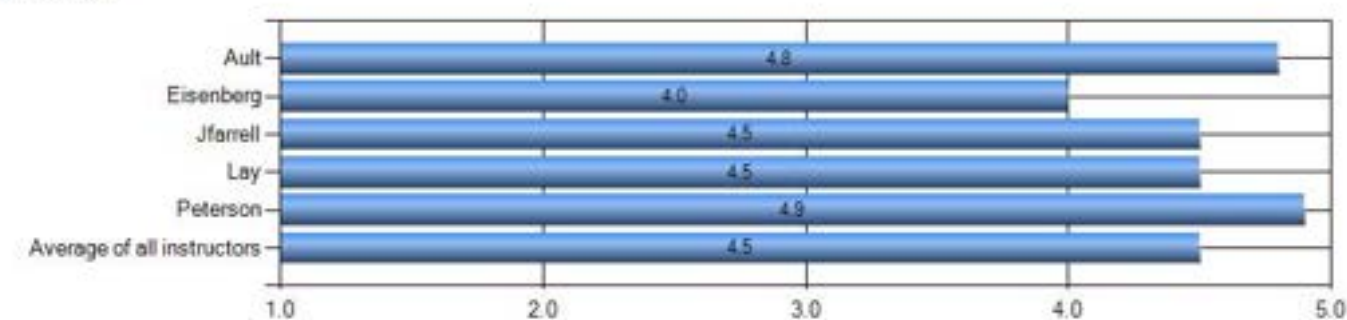
Instructor summary report

Assessment name: 2012 Users Conference Session Evaluation
Course name: Features-and-Functions
Date report produced: 26 February 2013
Date of results: All dates

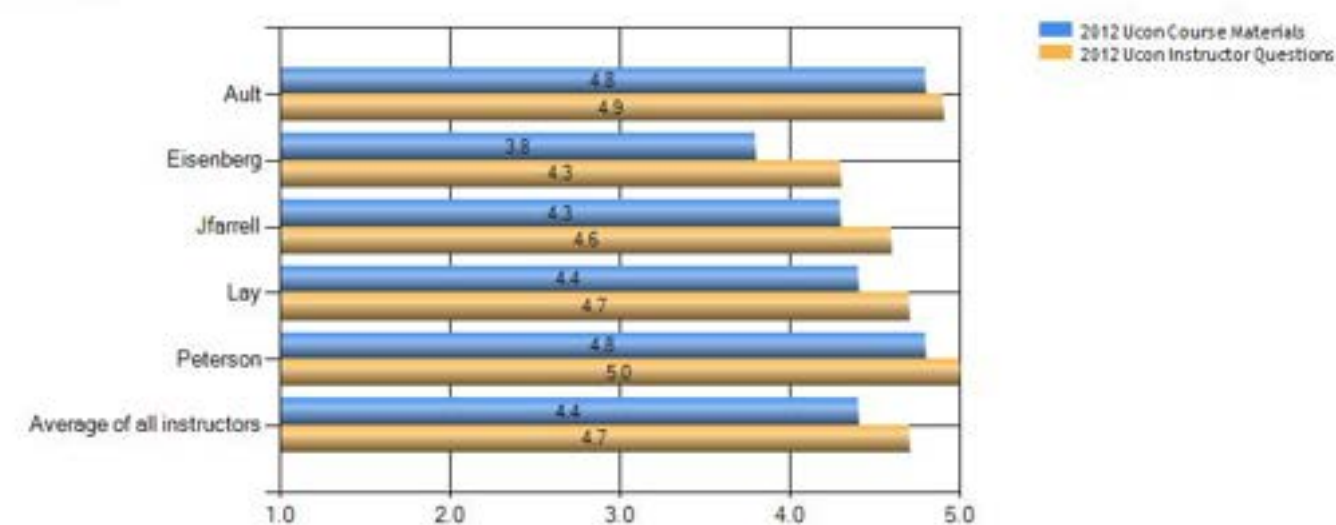
PDF CSV

Instructor name	Topic score breakdown		All topics average	Number of responses
	2012 Ucon Course Materials	2012 Ucon Instructor Questions		
Ault	4.8	4.9	4.8	8
Eisenberg	3.8	4.3	4.0	19
Jfarrell	4.3	4.6	4.5	12
Lay	4.4	4.7	4.5	8
Peterson	4.8	5.0	4.9	16
Average of all instructors	4.4	4.7	4.5	63
Min possible scale score	1	1	1	
Max possible scale score	5	5	5	
# of questions	1	3	4	

All topics average



Topic breakdowns



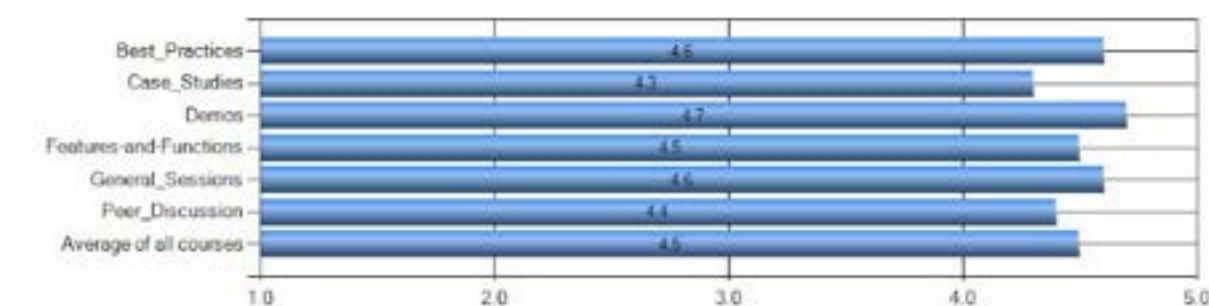
Course summary report

Assessment name: 2012 Users Conference Session Evaluation
Date report produced: 26 February 2013
Date of results: All dates

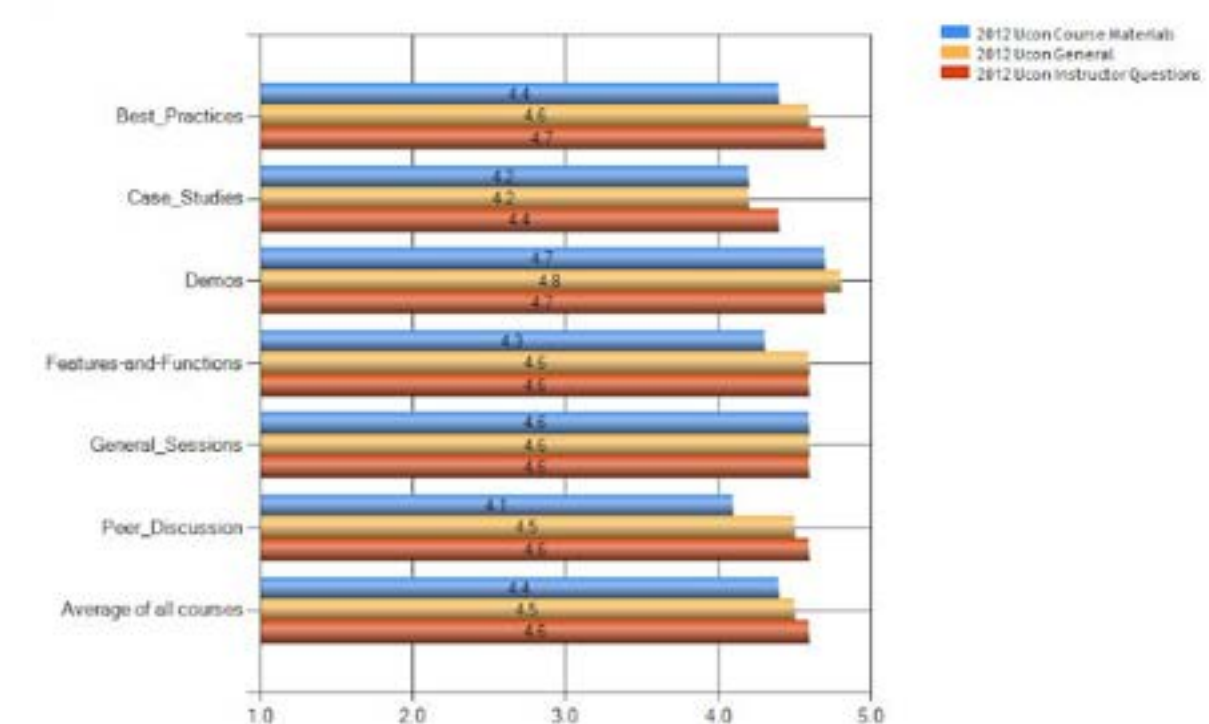
PDF CSV

Course name	Topic score breakdown			All topics average	Number of responses
	2012 Ucon Course Materials	2012 Ucon General	2012 Ucon Instructor Questions		
Best_Practices	4.4	4.6	4.7	4.6	43
Case_Studies	4.2	4.2	4.4	4.3	32
Demos	4.7	4.8	4.7	4.7	12
Features-and-Functions	4.3	4.6	4.6	4.5	63
General_Sessions	4.6	4.6	4.6	4.6	16
Peer_Discussion	4.1	4.5	4.6	4.4	10
Average of all courses	4.4	4.5	4.6	4.5	176
Min possible scale score	1	1	1	1	
Max possible scale score	5	5	5	5	
# of questions	1	2	3	6	

All topics average



Topic breakdowns



Manage access reports (by folder, by user, by role)

[+] Manage Access Report - Assessments by Username

This report shows which users have access to the selected assessment folders, and what role each user has.

Username: Instructor A
User created on: 26 Mar 2022
User last accessed on: 26 Mar 2022

Assessment folder	Role	Include all sub-items
F - Situational Judgement Assessment	Assessment Author	Yes
F - Situational Judgement Assessment	Item Author	Yes
F - Situational Judgement Assessment	Publisher	Yes
F - Situational Judgement Assessment	Reviewer	Yes
G - Multilingual Assessments	Assessment Author	Yes
G - Multilingual Assessments	Item Author	Yes
G - Multilingual Assessments	Publisher	Yes
G - Multilingual Assessments	Reviewer	Yes

Topic folder: C - Industry Specific Questions/Information Technology

Username	Role	Include all sub-items
Demonstrator	Demonstrators [Superuser]	No
Instructor A	Assessment Author	Yes
Instructor A	Item Author	Yes
Instructor A	Publisher	Yes
Instructor A	Reviewer	Yes

Topic folder: C - Industry Specific Questions/Information Technology/Data Security

Username	Role	Include all sub-items
Demonstrator	Demonstrators [Superuser]	No

Topic folder: C - Industry Specific Questions/Information Technology/Hardware vs Software

Username	Role	Include all sub-items
Demonstrator	Demonstrators [Superuser]	No



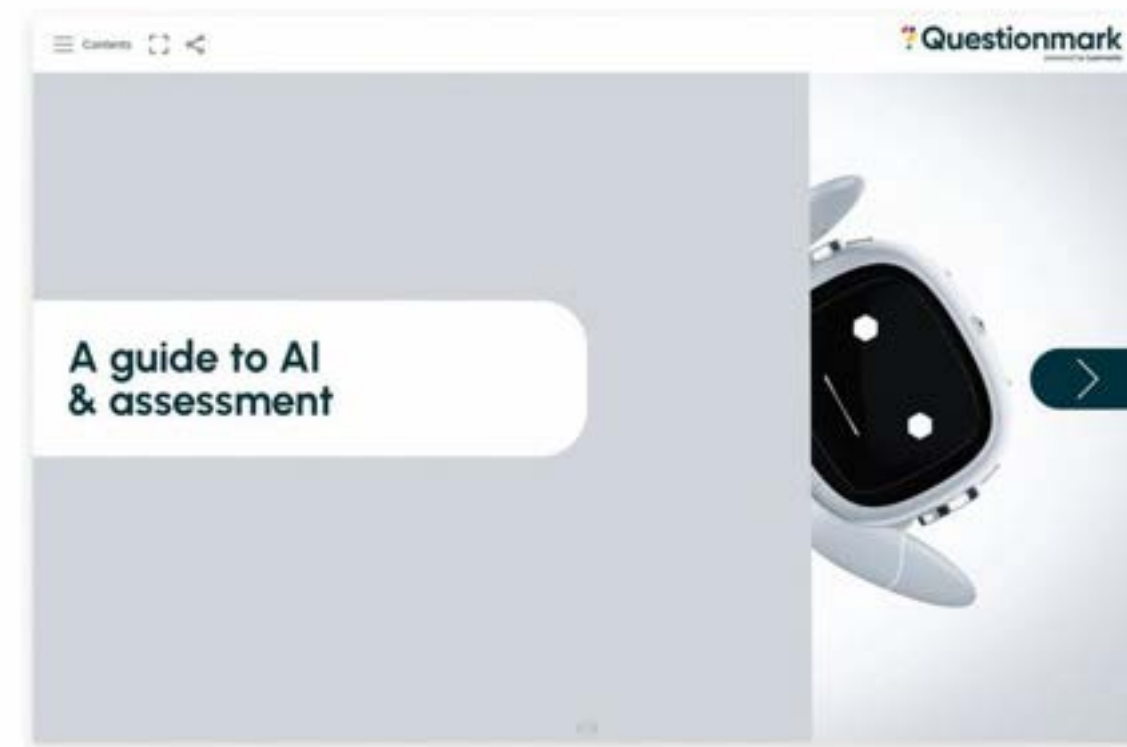
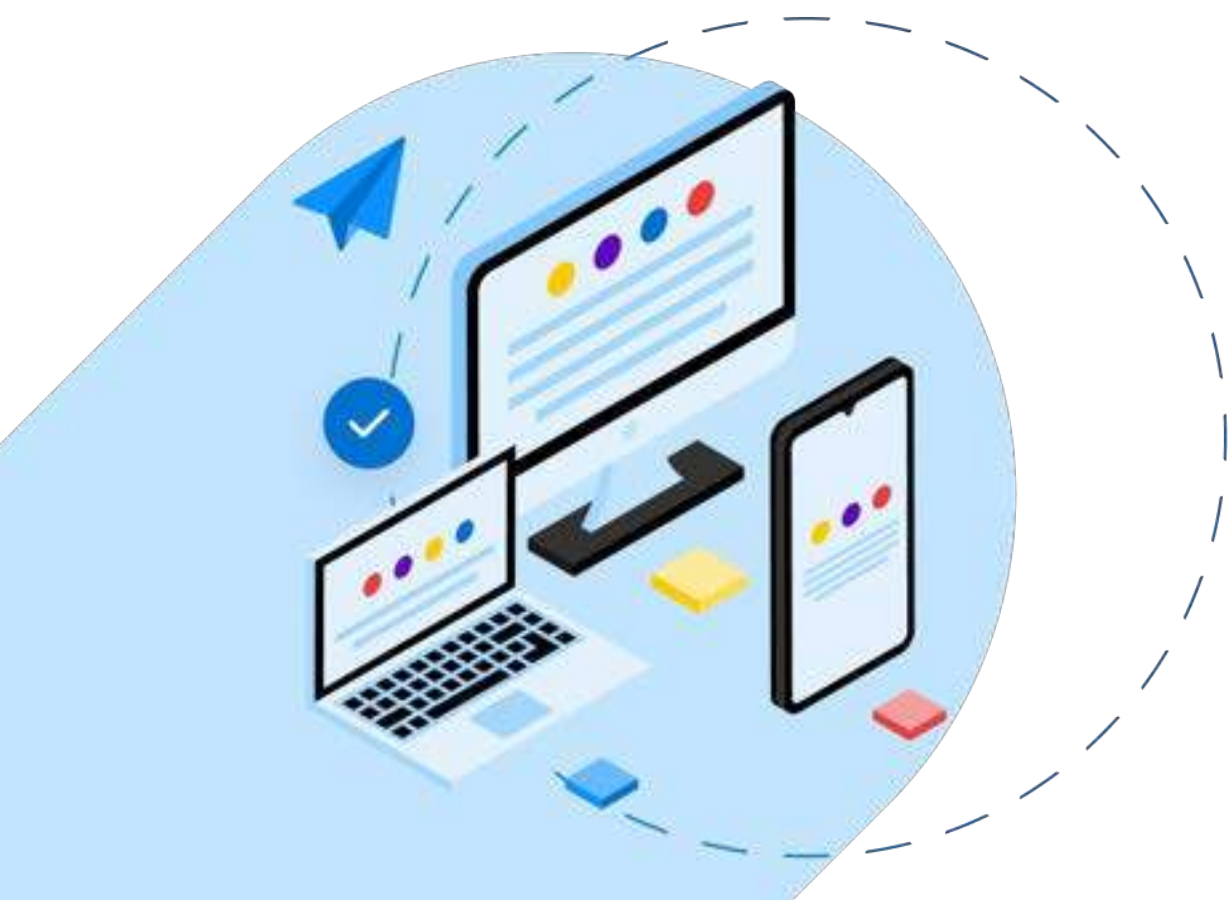
Questions?

| Questionmark's resources

Check out our website to find the latest:

- Reports
- Webinars
- Blog Articles
- Podcast Episodes
- And more!

Visit questionmark.com



AI

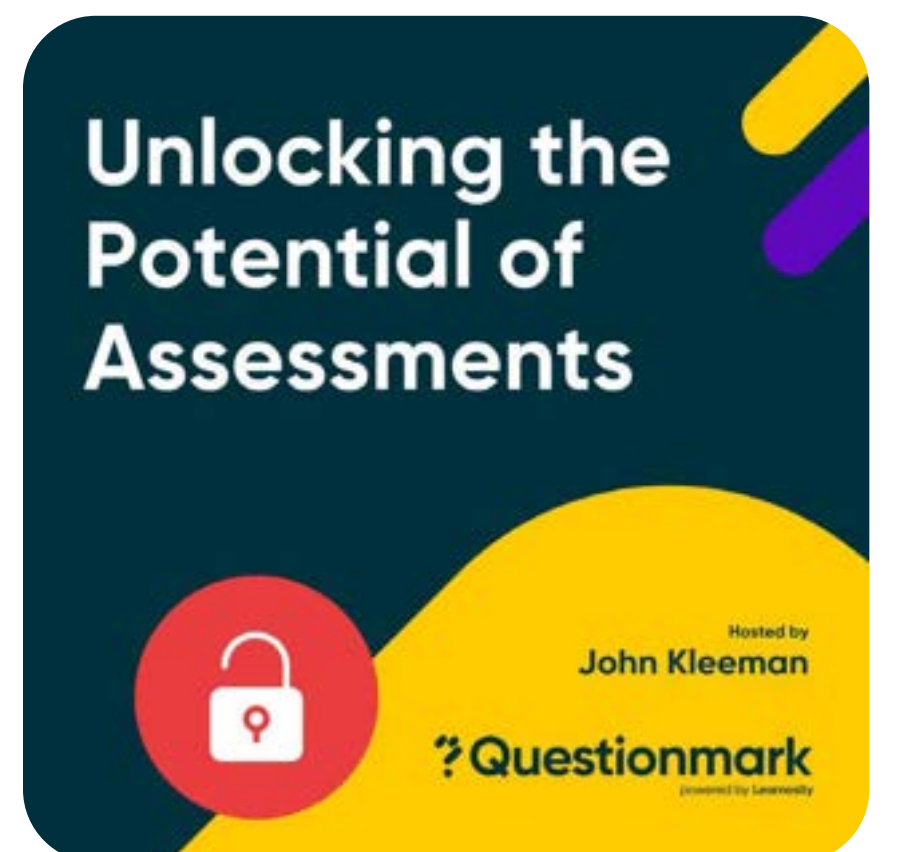
Assessment Tools

Inclusivity

Test Fraud

New standards for best-practice proctoring

Discover the brand new online proctoring standards that are set to shape the remote assessment landscape.





questionmark.com

Copyright © 1995-2024 Questionmark Corporation and/or Questionmark Computing Limited, known collectively as Questionmark. All rights reserved.

