

Institution 8

Use Case 1.0 Item Development

JISC Digital Repositories Programme

Actors: Tutors, subject experts, CAA champion, QuestionMark System

Summary:

Course tutors develop assessment items, as and when required. Items are developed by tutors and stored directly in QuestionMark, or else given to the CAA champion to input on their behalf.

Trigger state:

Question levels are inadequate to meet the needs of forthcoming exams

Common course of events:

1. Course tutors develop assessment items for courses, as necessary.
2. Assessment items are stored in current system.

Post-conditions:

Questions ready to be quality assured.

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Date:

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Use Case 2.0 Quality Assurance

JISC Digital Repositories Programme

Actors: Subject experts

Summary:

Assessment items are peer reviewed by someone else in their subject domain before they can be selected for use.

Trigger state:

Questions have been written and are ready for review.

Common course of events:

1. Assessment items are peer reviewed by subject experts in their subject domain.

Post-conditions:

If accepted, questions are ready to be used in examinations.

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Use Case 3.0 Item Selection

JISC Digital Repositories Programme

Actor: Course tutor/lecturer, QuestionMark System

Summary:

Assessment items are categorised by subject domain and classified from which items can be selected for use.

Trigger state:

Questions have been entered into the bank.

Common course of events:

1. In QuestionMark, assessment items are stored in folders by subject areas.
2. Questions can be selected from these folders.
3. Questions can be selected randomly, with use of previously used questions in addition to new questions.

Post-conditions:

The assessment is ready to be taken.

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Use Case 4.0 Exam Delivery

JISC Digital Repositories Programme

Actors: Course tutor / lecturer, external examiner, student

Summary:

Exam papers are created and sent to an external examiner before being used in an exam. Alternatively, exams can be taken online.

Trigger state:

Questions have been reviewed and entered into the bank.

Common course of events:

1. The exam paper is printed by the course tutor and passed on to the external examiner.
2. The paper is taken by the students.

Extensions:

- 1.a The exam can be taken online.

Post-conditions:

The exam has been taken and results data is ready for analysis.

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Use Case 5.0 Results Analysis

JISC Digital Repositories Programme

Actors: Course tutors / lecturers

Summary:

Item analysis is performed on assessment items once they have been used in an exam.

Trigger state:

The exam has been carried out.

Common course of events:

1. Analysis of assessment items is performed, in terms of Item Response Theory (IRT), question performance, question reliability and question difficulty.
2. Questions that perform poorly are evaluated and may be modified or retired.

Post-conditions:

Question performance can be assessed and as a result can be improved or discarded.

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