

In addition to users, we also have tutors who provide questions and hints. And also examiners who must certify questions to make sure they are not too trivial, and that they are sensible.

Make a use case diagram to model this system. Work out some of your use cases. Since we don't have real stakeholders here, you are free to fill in details you think is sensible for this example.

Answer:



We'll assume multiple choice quiz.

Use case: Make quiz.

Primary actor: User

Secondary actors: -

Pre-condition: The system has at least 10 questions.

Post-condition: -

Main flow:

1. The use-case is activated when the user requests it.
 2. The user specifies the difficulty level.
 3. The system selects 10 questions, and offers them as a quiz to the user.
 4. The system starts a timer.
 5. For every question:
 - 5a. The user selects an answer, or skip. [Extension point]
 6. If the user is done with the quiz, or the timer runs out, the quiz is concluded, and [include use case 'Report result'].
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Use case: Provide hint

Primary actor: User

Secondary actors: -

Pre-condition: The user requests for a hint.

Post-condition: -

Main flow:

1. The system provides a hint. The verbosity of the hint is determined by the difficulty level set previously by the user.
 2. Return to 'Make quiz' main flow.
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