

Comp 2005 Software Engineering

Term Project

Vladimir Andrade

Revisions to the document:

- 1.) Made connection to the requirements list much clearer
- 2.) Changed wording on certain parts of explanation to make it easier to understand

Create a quiz:

This component is only accessible by the instructor who is verified to be logged in by the authentication component of the project. If there is a student logged in, the component is not accessible.

Note: There are mandatory requirements from the project requirements list in this document. However they can still be found in the requirements html.

Quizzes for the initial release will be only multiple choice questions, hereby referred to by the acronym MCQ. Created quizzes are specifically tied to an instructor's login.

Instructors first and foremost will be able to create a quiz for their course that they are assigned to. This will coincide to the first requirement in the requirement list for project listed as **1.2.1** ***"Instructors can create a Quiz"***.

The instructor will be able to manage quiz banks with this component. (***See requirements 1.2.3 "Questions are entered in a Quiz Bank"***). They will have the ability to create questions, choices and answers and the weights of these questions. MCQ can be made to have multiple answers. This data will be stored so that other components will be able to access it when needed.

Quiz content can also be managed via this component. It should be noted that an instructor cannot access the quizzes made by another instructor. Quizzes along with their questions are able to be added as seen fit. The time limit, start/end time and number of attempts will all be inputtable by the instructor (***See requirements 1.2.2 - 1.2.2.5,, 1.2.7, and 1.2.10***). Quiz access can be restricted/granted to a number of students.

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Use Case for Create Quiz Component

Title: Create Quiz

Primary Actor: Instructor

Stakeholders and Interests:

Instructor: wants to create questions for students

Student: wants to receive questions in a usable format

Precondition: User with Instructor privileges logged in already.

Trigger: Instructor requests to create a new quiz.

Main Scenario:

1. Instructor selects option to create a new quiz
2. SuD displays page to create quiz
3. Instructor specifies name of quiz, start and end times, and number of attempts allotted.
4. SuD initializes the quiz
5. Instructor adds a question to the quiz, specifying answers, weight and choices
6. SuD stores question, answers, weight and choices
7. Instructor repeats 5 and 6 until they are satisfied with quiz.
8. SuD records finalized quiz
9. SuD takes instructor back to launch page of quiz setup

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Requirements List

Instructors can create a quiz

1.2.1 Instructor can create a quiz

1.2.2 Quiz Attributes

1.2.2.1 Dates

1.2.2.2 Attempts

1.2.2.3 Multiple Answers

1.2.2.4 Weighting

1.2.2.5 Student List

1.2.3 Questions are entered into a Quiz Bank

1.2.7 Instructor can add dates

1.2.10 Instructor can specify number of possible attempts