Description Of WebApp

CS3 is a web app that allows third year computer science access quiz questions on the core computer science courses they are doing for third academic year for a set duration of time. This app serves as an easy platform for computer science students to revise on concepts they have learnt for basic understanding and in preparation for quizzes and examinations. The duration of time given to the student to do the quiz is based on the difficulty of the questions and the type of questions the student is being quizzed on.

Problem Statement

Computer science students in their third year find it difficult to access a platform that allows them to quiz themselves on various concepts learnt in their different courses. Most must rely on AI (not very efficient and precise) or use platforms like quizzes that have a limit. This issue causes students to write exams and quizzes unprepped by precise questions and their structures.

Proposed Solution

To ensure that computer science students in their third year have a structured platform to engage in quizzes for exam, and test preparation as well as revision, I have come up with a web-based application which will allow students to engage in structured quizzes at a set duration of time dictated by the app itself. Students can choose the format of their quizzes as well as the course they want the questions to be set on. The system relies on renowned and reliable textbooks on each course to set the questions. That means the students do not need to supply the textbooks to the app.

Core Functions

1. Questions format – The students have 5 options of questions format they can choose from.
   a. Multiple-choice questions
   b. True or false questions
   c. Essay type questions
   d. Calculation Questions
   e. All types of questions
2. Level of difficulty – The students can choose the level of difficulty of the questions they want.
   a. Beginner
   b. Intermediate
   c. Advanced
3. Number of questions – For each question format, the students can choose the number of questions they want. For the question format which is all types of questions, the student can choose the number of questions he or she wants for each aspect of questions for the quiz.
4. Grading – The student submits the questions to the app and the app grades the students, indicates the right answers, and the errors with their right answers.

Roles / Types of Users

1. Students – Writes quizzes on the app.

Additional Useful Considerations

Creating a function to let lecturers conduct quizzes for their students on the app.