Collaborative Quiz Class Diagram

Question class contains quiz

User class contains information

about individual users and the questions and an array of answers functions that they will perform that contains the answer and a boolean regarding only user information for if it is the correct answer along with such as login, logout, and register. an optional explanation of the answer. The creating user and related course are included here along with functions to add and return question information. A function for generating a list of User randomized questions is also included. Quiz class includes an array of _id: ObjectId randomized questions as well as creating user and course information and Question username: string the corresponding results. The functions create a new quiz, _id: ObjectId password: string add questions to it, and return the enrolment: [courseName: string] questions. courseName: string ownerName: string +login() Quiz question: string +register() _id: ObjectId answers: [answer: string, +enroll() correct: boolean] courseName: string +getEnrollment() answerExplanation: string ownerName: string +clearEnrollment() +addQuestion() timeTaken: DateTime +logout() +getAllCourseQuestions() grade: Number +getQuizQuestions() Course class contains available question: questionSchema courses that users can enrol in results: [quizQuestionId: string and an array of currently enrolled answerSelected: string, userlds. It contains functions which answerCorrect: boolean] will return courses and update enrolment in courses. +randomizeQuiz() Course +generateQuiz() _id: ObjectId +getQuiz() courseName: string +updateQuiz() +deleteQuiz() +getCourses() +updateCourse()