Quiz Manager II – Documentation

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Introduction

The Java project is the advanced version of quiz manager done by using web application process. The documentation consists of all the tools and technologies required to complete the project. It also has the data flow of the project.

The goal of this project is to develop a program (API oriented, Web-based) that helps in dealing with quiz assessments.

The usual problem while preparing an evaluation, is to :

•Constitute an appropriate evaluation regarding of the required level

•Reuse former questions

•Organize sample evaluations

•Correct automatically the MCQ questions.

The project has the front-end, back-end and the database, Frameworks and server to run the project.

Objectives

The application has two types of users – Admin and the Students. The admin has all the access towards the application whereas the students has a limited access to the application.

Access to the Admin:

- Create a Question
- Edit a Question
- Delete a Question

Access to the students:

       The student is limited to take the quiz and the result is displayed to the student for reference. No other authorities were given to the students.

Software Requirements

Front-end:

➢ AngularJS

➢ HTML5

➢ CSS3

➢ JavaScript

➢ Servlet

Back-end:

➢ Java 9

➢ JSP

Framework:

➢ Spring 5.1.5

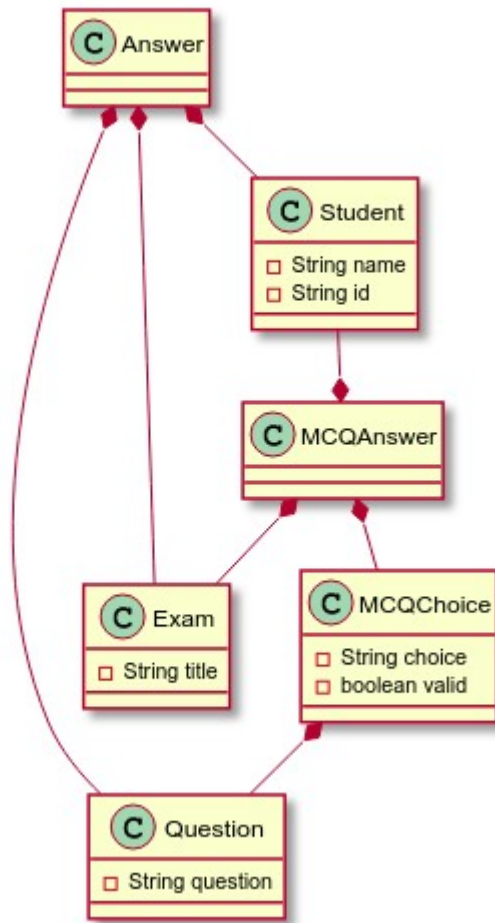➢ Hibernate 5.4.1

➢ JUnit 4.12

Server:

➢ Tomcat 9

Database:

➢ H2 1.4.198

Flow Diagram

        Every class has a composition relation with one or more classes. Each class has one or more attributes. Student class is able to access other classes to take the quiz.

Reference

https://github.com/thomasbroussard/2019s1adv