TECHNICAL SPECIFICATIONS

ADVANCED JAVA

QUIZ MANAGER

SAHANA DEVARAJE GOWDA

SOFTWARE ENGINEERING

nanusahana@gmail.com

https://github.com/SahanaBindhu/Java_quiz

INTRODUCTION

This document will propose all features and technical specification of the project. It contains details about objectives, scope limitation, primary requirements, possible project risks, database design, and application flow. The goal of this project is to develop an application (API oriented, Web based) that deals with quiz assessments.

The usual problem while preparing an evaluation, are to:

• Constitute an appropriate evaluation regarding of the required level

• Reuse former questions

• Organize sample evaluations

• Correct automatically the MCQ questions.

The implementation of this project has been done by using Frontend (HTML, AngularJS, JSP), Backend (REST, Java), Database (MYSQL), Business Logic Framework (Hibernate, Spring) and Server (Tomcat).

Objectives and concentrations:

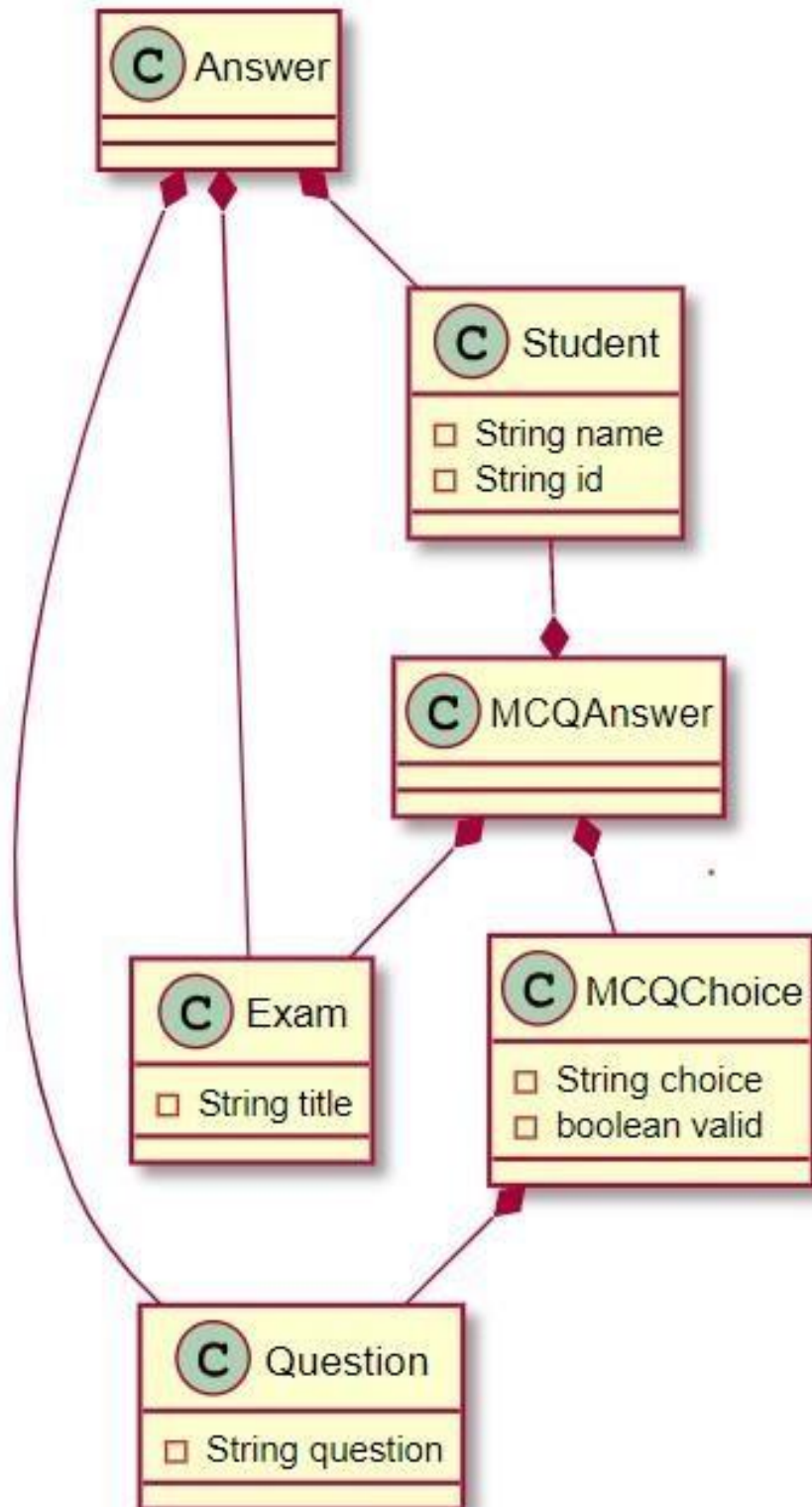This Quiz Management Application can act as 2 Identities

-Student

-Admin

Students are having privilege to create the account, choose the relevant quiz type and quiz name, attend the quiz, view the result at the same time.

Admin on the other hand is able to create his/her account, edit/delete/view the registered student's details with their quiz score. Apart, from managing the student's details they are able to create the quiz specifying name, and type.

Global Application Flow:

Technology Used

- Frontend - HTML5, AngularJS
- Backend - Spring MVC, JSP, REST Services, Java
- Database - MYSQL
- Framework - Hibernate, Spring
- Server -Tomcat Version 9

Configuration

- Username   : root (Case sensitive)
- Password   : root (Case Sensitive)
- Database   : MYSQL

Development Environment

- PLATFORM USED   :   Windows 10
- LANGUAGE USED   :   Core Java
- IDE   :   Eclipse
- DATABASE   :   MYSQL

Bibliography

https://github.com/thomasbroussard

https://thomas-broussard.fr/work/java/courses/project/advanced.xhtml