Minor Project- Report

Aug-2019-2020

Course Faculty: Prof Anupama V P & Dr. Md Tajuddin Course Name & code: DataBase Management System

Semester: 4 Date: 20.05.20

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| TITLE OF THE PROJECT | Quizam- Test Taking Portal | | | |
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| STUDENT NAME | Garvita Jhawar | Chitraksh Srivastava |  |  |
| USN | 1DS18CS161 | 1DS18CS039 |  |  |
| INDIVIDUAL  CONTRIBUTION | Login and Signup,  Student Module | Server Client,  Teacher module |  |  |
| GUIDE | Prof. Anupama V P, Dr. Md Tajuddin, Prof Bhavana B R | | | |
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| PROJECT ABSTRACT : | This project is aimed at developing a desktop based application named QuiXam for conducting multiple choice question tests for any educational institute.  In this system we are solving different problems faced while conducting quizzes online. The teachers do not have to keep adding students to the classes or keep sending links of the quizzes to the students. This happens automatically when the teacher creates a class. Teachers also do not need to keep track of the scores of the students since the quizzes can be automatically validated and the scores of each student can be seen in the leaderboard of each quiz. | | | |
| PLATFORM USED  (H/W & S/W TOOLS TO BE USED | * IntelliJ IDEA * JavaFX * SceneBuilder * MySQL | | | |
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| INTRODUCTION | QuiXam is a complete desktop based application. We have used JavaFX on the IntelliJ IDE for the programming part, and SceneBuilder for UI design. For the backend, we have used MySQL. The main aim of the project is to develop a platform for conducting quizzes in any educational institute.  We have used a user system to create teacher and student users. We have made sure that only teachers are able to create teacher accounts by making it necessary to give a secret key. The registration and login procedure involves hashing for the security of the passwords. Teachers upon creating classes can create quizzes, and students belonging to that particular semester and section will be automatically enrolled to the class. The portal allows the teachers to create a Multiple Choice Questions test with automatic validation and randomizer function if the teacher desires. QuiXam allows the teachers to set questions in a question bank and allow them to select only a certain number of questions per test, this procedure is randomized to discourage cheating. After validation, the teacher can access the test’s statistics. On the user interface of the students, they will be able to see the leaderboard for the tests that they have already attempted, which makes sure that the quiz can be attempted only once. | | | |
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| DESIGN | Login    Student  Teacher  Create Class  Enter the class  Create Quiz  Quiz  Attempted?  Add Questions  Check Leaderboard  Attempt Quiz  Check Leaderboard | | | |
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| PROJECT SOURCE CODE LINK (GITHUB/ GOOGLE DRIVE) | <https://github.com/GarvitaJ/TestTakingPortal-QuiXam> | | | |
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| CONCLUSION /FUTURE ENHANCEMENT | We can include a modular based system to edit quizzes, displaying statistics for each question and a timer to enhance the project.  Through it has some limitations, we strongly believe that the implementation this system will surely benefit the organization. | | | |
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| UI SCREENSHOTS | C:\Users\garvi\Pictures\Screenshots\Screenshot (47).png C:\Users\garvi\Pictures\Screenshots\Screenshot (40).png C:\Users\garvi\Pictures\Screenshots\Screenshot (37).png C:\Users\garvi\Pictures\Screenshots\Screenshot (39).pngC:\Users\garvi\Pictures\Screenshots\Screenshot (36).png C:\Users\garvi\Pictures\Screenshots\Screenshot (44).pngC:\Users\garvi\Pictures\Screenshots\Screenshot (48).png C:\Users\garvi\Pictures\Screenshots\Screenshot (46).pngC:\Users\garvi\Pictures\Screenshots\Screenshot (42).png | | | |