

QUIZZLES: Test Your Skills and Become a Master

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ABSTRACT

“Quizzless” is a collection of a number of different types of quizzes. Online Quiz system is a web based multiple-choice-question system; a system that can be used by lectures to evaluate students efficiently, effectively and perfectly. The purpose of the Online Quiz System is to save lecture's time since the answers are automatically marked. A user can access/play the entire quiz and can attempt any of the one. There will be a limited number of questions and for each correct answer the user will get a credit score. There are many quiz applications available currently on the internet. But there are few which provide better understanding between users and the application like, providing proper answers, etc. A system that is an online application, from which admin can easily manage Academic details, Quiz details, Student details. The developed system is a user-friendly quiz application. Which will contain: Numbers of quiz, Answers to every question to improve the knowledge level of users. To develop an application which will contain solutions to the above problems. By this application the user will come to know about his/her level and can learn additional knowledge. Also, by this application a user can expand his/her knowledge among the world.

KEYWORDS: Quizzless, Online Tests, Easy evaluation, Fast result

INTRODUCTION:

Nowadays, a lot of universities in our country and each of the Universities consist of up to two thousand students. In order to handle large numbers of students may cause a lot of problems, especially in managing the quiz manually. Currently, almost all universities in our country use the manual procedure to set up a quiz for students. The manual procedure means in every quiz, students must attend university to sit in the quiz at a specific time. After that, lectures will collect quiz papers. Sometimes, there are students who do not attend university for a reason and lecturers assume the student is absent for the quiz. This scenario is unfair for students who missed the quiz. So the suitable solution for this problem is by design a system that all student can sit in a quiz from any location

“Our aim was to develop an application for the users in which a user can attempt any number of quizzes related to his/her choice.”

Quizzless is a software developed to conduct an Online Quiz based on time constraints. The Quiz System is accessed by entering the username and e-mail id which is added to the database. Quiz is started by displaying a definite number of questions with four options each based on the category chosen

i.e., General Knowledge, Aptitude Test, Technical Test, Logical Test etc. Admin can also add another test. If the answer is correct, score is incremented by marks decided by admin and no negative marks for wrong answers. Final score will be displayed and updated in the database with username. The prime objective of “Quizzless” is to take a quiz of any individual through application. It is a system by which students can appear in a quiz from anywhere in the world where there is no interaction between paper and pen rather than interaction between computer and human being. Any college, school or educational institute can use this system for their organization to take quizzes. Today it is a more efficient and effective method of accessing distant students. It is automated marking, that is teachers do not need to check the answer script as they do in manual quiz. It provides a unique functionality. It saves valuable time for people. Students can increase their knowledge via giving this kind of quiz and prepare best for their upcoming future. The feedback form is also provided for students in case of complaint.

SCOPE:

The main objective of “Quizzless” is to facilitate a user-friendly environment for all users and reduce manual efforts. In past days the quiz was conducted manually but with further resolution of the technology we are able to generate the score and pose the queries automatically. The functional requirements include to create users that are going to participate in a quiz, automatic score and report generation and administrative tasks like add, delete, update for admin privilege users. In this application, all the permissions lie with the administrator i.e. Specifying the details of the quiz with checking the result will show to the user or not, addition of questions and answers, marks for each question, set timer for each quiz and generate a report with score for each quiz. The application Quizzless also conducts the exams very effortlessly. This application is really useful in prevention of cheating. It will lead to safe and secure data; it will have a high level of data integrity. In traditional mechanisms there was a lot of pressure on administration of everything. This application will minimize the burden of administration. The feedback system will also be provided for the purpose of enhancing educational knowledge. It can be used anywhere anytime. This application can be used in educational as well as in the corporate world. In the future in this application, we can implement signing in via QR code. Admin can upload excel files of questions to add questions into the exam. Also feedback after every test and progress report.

LITERATURE REVIEW:

Quizzes can add insight and enhance students' abilities about the subject matter that is being learned. Quizzes can also stimulate students to learn. Said that the use of technology in the learning process will cause excitement because students interact with images, videos, and animations. This condition of pleasure is an important factor in learning effectiveness. Understanding the website is an internet facility that connects documents in a local or long-distance scope. Documents on the website are called web pages and links on the website allow users to move from one page to another (hypertext), both between pages stored on the same server and servers around the world. The idea draws motivation from the people who hesitate to visit the police station and personal belief of weak investigation and corruption and limited spreading of crime information. The usage of the internet is increasing in every sector, so people find it easier to register a complaint online rather than visiting the police station, it is secure and possible to hide their identity if they want.

This application helps to create a bridge between normal people and the police department to share information and evidence. It is helpful to track and monitor the criminals around the state and country and maintain a complete record of criminal information. It helps to search and access a large amount of data in less amount of time and provides a language-independent search over a large amount of data collected from different sources. It provides online assistance and general information and creates awareness among the people.

MODULES AND THEIR FUNCTIONALITIES:

There are two modules in this system:

1. Admin
2. Student

1. Admin Module:

- Authentication Phase.
- After Login, you can see the Total Number Of students, Tests, questions are there in system on Dashboard.
- Can View, Update, Delete Student.
- Can Also See Student Marks.
- Can Add, View, Delete Tests/Exams.
- Can Add Questions to Respective Tests With Options, Correct Answers, And Marks.
- Can View And Delete Questions Too.

2. Student Module:

- Authentication Phase.
- Create account (No Approval Required By Admin, Can Login After Signup)
- After Login, You Can See How Many Courses/Exams And Questions Are There In System On Dashboard.
- Can Give Exams Any Time, There Is No Limit On Number Of Attempts.
- Can View Marks Of Each Attempt Of Each Exam.
- Question Pattern Is MCQ With 4 Options And 1 Correct Answer.

3. Exam Module:

- There are a number of tests like technical, logical, aptitude, gk etc.

4. Result Module:

- Each and every attempt will be stored with date, time and marks.

IMPLEMENTATION:

Admin page is used strictly by the administrator to set up his/her parameters so as to enable him/her to have total control over the system. Only the admin can search for student details which he/she wants to edit, delete or blacklist. The student module he/she is accessed by entering the username and e-mail id which is added to the database. Quiz is started by displaying a definite number of questions with four options each based on the category chosen i.e General Knowledge, Aptitude Test, Technical Test, Logical Test etc. he/she chooses one test, then a quiz is started displaying rules to read carefully then press start exam button. If the answer is correct, score is incremented by marks decided by admin and no negative marks for wrong answers. After completing the exam final score will be displayed and updated in the database with the username.

TESTING TECHNOLOGY:

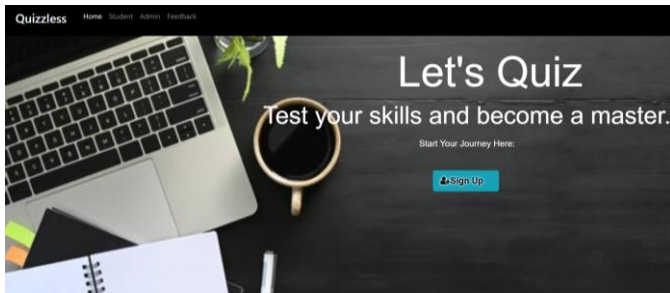
Software testing technologies is a process which is used to measure the quality of software developed. It is also a process of uncovering errors in a program and makes it a feasible task. It is a useful process of executing programs with the intent of finding bugs. In order to prove that a piece of software works, the software must be tested to determine if the requirements of the application are met. There are several different types used throughout the development process. These are various types of testing. Some of which are mentioned below:

- Component Testing: Where each and every component related to the software project is tested. Component testing should focus on testing component interfaces.
- System Testing: The testing implemented on an overall software project after component integration is system testing. System testing tests the emergent behavior of a system.
- Acceptance Testing: It is performed after software installation in a user environment with data supplied by customers.

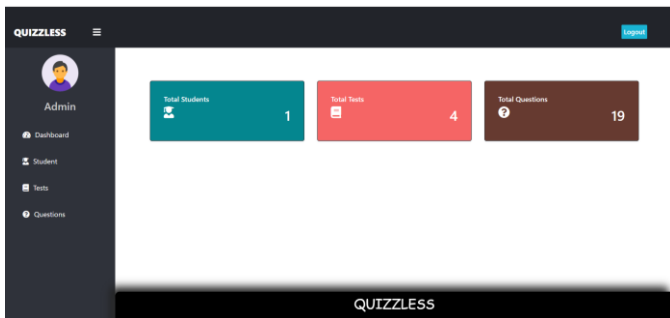
Following are the technologies are going to use:

1. Unit testing: It is a level of software testing where individual units or components of a software are tested. It is a process of testing individual components in isolation.
2. Integrated testing: It is a level of software testing where individual units are combined and tested to verify if they are working properly.
3. Beta testing: It is one of the types of user acceptance testing. Where a release of the software is made available to a large group of users to allow them to experiment and to raise problems that they discover with system developers.

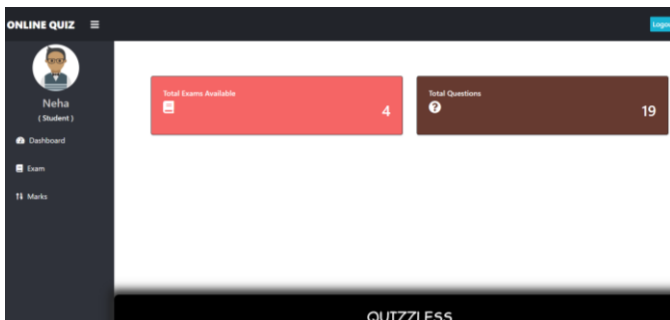
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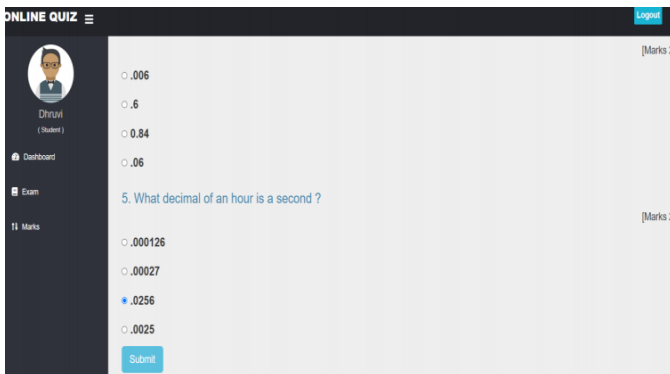
Home quizzless web pages



Administrator's quizzless web page.



Student's quizzless web page.



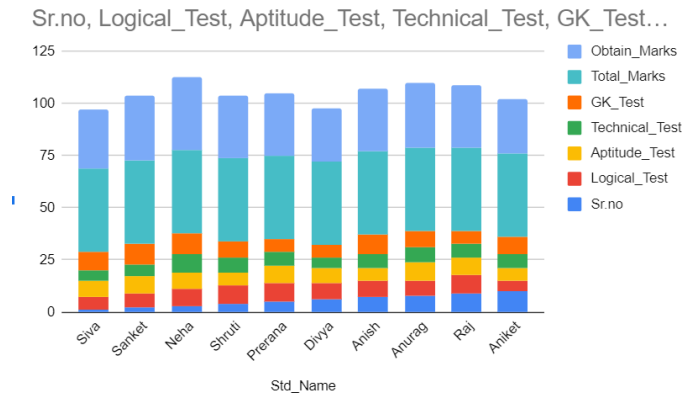
Student's exam web page.

RESULT:

Student Result_Table

Sr.no	Std_Name	Logical_Test	Aptitude_Test	Technical_Test	GK_Test	Total_Marks	Obtain_Marks
1	Siva	6	8	5	9	40	28
2	Sanket	7	8	6	10	40	31
3	Neha	8	8	9	10	40	35
4	Shrutli	9	6	7	8	40	30
5	Prerana	9	8	7	6	40	30
6	Divya	8	7	5	6	40	26
7	Anish	8	6	7	9	40	30
8	Anurag	7	9	7	8	40	31
9	Raj	9	8	7	6	40	30
10	Aniket	5	6	7	8	40	26

Student Result_Graph



ADVANTAGES:

The system is very simple in design and to implement. It has got following features:

- Reduce the damages to the machines.
- Minimum time needed for the various processes.
- Greater efficiency.
- Better service.
- User-friendliness and interaction.
- Minimum time required.
- It saves more time.
- It saves the student's money.
- It saves paper.

LIMITATIONS:

- Time limit is not given.
- Adding questions is kind a difficult.
- Admin can add any number of questions to any test, But while adding test, admin provide question number.

FUTURE SCOPE:

- The future scope of this project is very broad in terms of gaining knowledge and sharing knowledge among the world.
- Time limit system will be implemented.
- Students can login via QR code.
- Adding questions will be easier.
- This can be used in educational institutions as well as in the corporate world.
- Can be used anywhere any time as it is a web based application, (user location doesn't matter).

CONCLUSION:

Quizzless application provides facility to attempt quizzes anywhere and anytime. It saves time since the user does not need to wait for the result. So, students/users cannot wait for the result. All students/ users get extra knowledge and skills. Administrator has a privilege to put as many questions in a given Quiz in application. Users can register, log-in to attempt Quiz. If a user forgets their password, then he/ she can reset the password with the help of Forgot Password option. There is an instruction page for students to get information about quizzes like number of questions, given time etc. After that students get the result of the quiz. So, students don't have to wait for the result. Also, the admin is responsible to add, delete and update questions in the system. Also, he can view the results of all students. This project proved good for me as it provided practical knowledge of programming in python and MySQL server and also about all handling procedures related to the Quiz System. It also provides knowledge about the latest technology used in developing application and server technology that will be in great demand in future.

This will provide better opportunities and guidance in future in developing projects independently. This Quiz Application can be efficiently used by any students and educational platforms. The project will be made as per as the given specification. The system will be as user-friendly as possible.

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