FULLSTACK PROJECT-1

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**QUIZBOX**

SYNOPSIS



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INTRODUCTION

The “Quizbox” is website develop to overcome the problems occurs in manual system with the help of new technologies we are having these days with the help of this online quiz system we can also stored the valuable information and data over a long period of time. This online quiz website is for to take the online test in an efficient manner and no time wasting for checking the paper, conducting the exam in various centers and places from which many students have problem to reach the destination before the exam time.

It can also lead the error free, secure and reliable management system. From this particular organization also keep the information without redundancy. It is user-friendly and fully automated system where one can easily perform the test organized by an organization. Users have to just click the right option which he thinks to be correct and the next question will automatically appears on his screen after the several seconds which is set by instructor. It can be used anywhere and anytime. One can also view the results at the same time after submission of test.

OBJECTIVE

The main objective of this project on MCQ based quiz website is to manage the details of students and their marks. The main purpose of this project is to eliminate the manual work of managing the no. of students, their details and details of examination, results and marks. It will track all the details and store the details so that we can access it anytime.

METHODOLOGY

Quizbox being a website uses HTML, CSS, Bootstrap, jQuery libraries, free host services, CANVA (logos) for front-end. The webpage uses HTML and Cascading Style Sheet for its front-end structure. Bootstrap and jQuery are used to make it responsive and add certain animations and hover, click effects.

BOARD REQUIREMENTS

* Hardware Requirements

1. Processor 🡪 Intel Pentium IV(Minimum)
2. RAM 🡪 1gb(minimum)
3. Hard Disk 🡪 24gb system Drive
4. Moniter 🡪 Any

* Software Requirements

1. Operating System 🡪Windows XP/Vista/7/8/10
2. Front End 🡪HTML, CSS, JavaScript, Bootstrap.
3. Software 🡪VS Code, XAMPP

Modules

The system is proposed to have the following modules:

* User Module: The user module contains another module.

1. First user will have to register into the system and after then Login to the online quiz system.
2. There is a personal window because in this window, person can only enter by login.
3. Enrollment ID of user is user id and password by which a person can enter the system.

* Quiz System Module : Quiz Process are as follows -

1. Login to the online examination system.
2. Attend Test.
3. Submit.

Test Pages

This is most creative and important pages in this project. This test pages includes:-

1. Timer
2. Skip
3. Next
4. Previous
5. Finish

The form of question in test pages :

Multiple Choice Questions and questions are selected at random. One Question can have one or more than one answers.

* Marks Calculation Module: The system automatically keeps a track of all Questions being sent to user, simultaneously calculates the total correct answer given by user.
* Result Module: At the end of Quiz, it generates the result of user.
* Administrative Module: This module is protected by user id and password. So ordinary user of the software will not permitted to enter the administrative module only admin can enter in this module. And admin feeds new Questions and Answers into the server.

LIMITATIONS

**1. Cheating:** This website will allow user to change the page during the quiz and also due to objective questions only, cheating can be done easily.

**2. Weak Internet Connectivity:** Online examination system depends on the internet connection. Once as student starts a Quiz, it cannot be paused when allotted time runs out due to weak internet connection issue, quiz will no longer be accessible to student. Hence, high or average internet connection is required for a successful submission of quiz.

**3**. **Editing:** Once a student has taken a Quiz, you can no longer edit that quiz.

**4. Software:** If software/operating system fail student will not be able to give the exam and progress of examination data might be deleted if the system off abruptly.

**5. Server Crash:** This is also a serious problem at online platform.

ONLINE GIT REPOSITORY

https://github.com/ishikacs18/Fullstack-Project

CONCLUSION

**Quizbox** is a quiz conducting global website. The main purpose of **Quizbox** is to offers new aspects of learning and improving knowledge in educational area. Most of the available apps are entertainment-based, which mostly do not contribute to the academic enhancement of the students. The theme of our project is to provide user to practice for objective tests conducted on national level, so in this website we focus on every field like humanities, science, maths, commerce etc..This quiz is useful for every user belongs to any field and for any type of online (non-pen paper) objective test.

The **Quizbox** is successfully designed and is tested for accuracy and quality. The key concept is to minimize the amount of paper work and convert all forms of documentation in digital form. The user with minimum knowledge of computer will also feel ease while using Quizbox. It will also provide an ease in retrieving information. It will also be a less time consuming platform for students and teachers as well. It will immediately produce your result and reflect it on your progress tracker.

This website is based on 5 modules, namely (1) User Module, (2) Quiz System Module, (3) Mark Calculation, (4) Result Module, (5) Administrative module. User module will contain information about the users. Quiz System module will have information about quizzes that has been conducted at our website. Result module contains result of every user. Administrative module is completely under the admin, who will ensure you to secure your data from any kind of spam.

Thus, the proposed website can be easily adopted by universities and institutions in order to make the quiz based exam more secure and more flexible.