SYNOPSIS

ON

Quiz Application Using Python

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INTRODUCTION

The '**Quiz Application'** project is developed to overcome the time-consuming problem of a manual system. In the current system, checking the answer sheets after taking quiz, wastes the examiners time and efforts, so this application will check the correct answer and save the examiner time and carry the examination in an effective manner. The users who will use this system don't need high computing knowledge and also, system will inform them if they try to enter invalid data.

The aim of this Project is to Computerize the Existing Manual system and help the examiners to save their valuable time and important data. Apart from this, data which exist in this system, will exist for long period of time and will be easily accessible to the examiner as well as to the students. This project will help the students in their academics by providing a variety of subjects to assess their knowledge. The result will be able to depict their strength and weakness in the subjects and they can improve those weaknesses by studying the materials provided there. The result will be report based, in an analyzed form, which will be accessible to the student and the examiner. This report will also be sent to the parents of the student so that they can also see the progress of their child.

The examiner can easily upload questions through text form or through OCR Scanning. They can easily access the data whenever and wherever they want without any manual need.

The objective of this project is to manage the details of students, examinations, marks, courses and papers and reports in a good manner. The performance of the application will be fully controlled by administrator and administrator can guaranty any one to access. The project will reduce the manual process in managing examinations and all issues regarding that.

Functionalities of the project will be as following:

- It will help the examiners to punch the MCQ questions online in various ways.
- It able the users to solve the questions online.
- Examiners can manage the information regarding exam.
- Correct answers will be evaluated by system.
- The students can assess themselves in their weak points and can improve by studying the provided materials.
- Students can see their result reports after submitting the test.

EXISTING SYSTEM

There are various MCQ quiz applications which exists in the internet with different criteria. Each of the existing applications has their own advantages and disadvantages. This Quiz application is designed to overcome the existing problems with following features:

- Better management.
- Connection to database for better storing ofdata.
- Better frontend management.
- Better backend management.
- Try to decrease error issues during runtime.

<u>USE OF THE PROJECT</u>

The key features of this Quiz application are:

- o You can quiz large numbers of students all at once.
- o No manual assistance needed.
- o It is easy to implement and manage.
- o Quizzes can be given without an instructor.
- o Improved overview of the workforce.

Feasibility of Project

Whatever we think need not be feasible .It is wise to think about the feasibility of any,problem we undertake. Feasibility is the study of impact, which happens in the organization by the development of a system. The impact can be either positive or negative. When the positives nominate the negatives, then the system is considered feasible. Here the feasibility study can be performed in two ways such as technical feasibility and Economical Feasibility.

Technical Feasibility:

 The project is very feasible technically as it will be made using easy technology but of high functionality. The functionalities of the project will be highly useful to the examiner as well as the user so it will be technically useful for a large period of time

Economical Feasibility :

 Development of this application does not need much economical stability as the system can be easily maintained. The users as well as the examiners can use this application wherever they want without any payment or purchases. So we can say that the project is Economically Feasible.

FUNCTIONAL SPECIFICATIONS

- Index:Which allow users to select their type of login tosystem i.e, user or examiner

- Teacher Login:Able the teachers to login to system with a valid username and password.

  If a teacher is successfully login into system, he/she will have access to following pages:

  o Teacher Home:Which will have information about Online

    Quiz and issues support by this system for theteachers;

  o Punch Test:Which able the teacher to punch a test and after

    entering the test name and clicking on 'Submit to Enter

    Questions', teacher will be able to add questions to the

    particulartest.

  o Students Marks:Which will able the teacher to observe the

    result of all student who have attempted thetests.

- Student Login: It able the students to login to system with a valid username and password.

  If student is successful to login to the system, he/she will have access to following pages:

  o Student Home:Which have information about Online MCQ

    Quiz and issues support by this system for students.

  o Attempt Test:Which will able the student to select a

    particular test for attempting from the existing test

Software Specification

- Technology Implemented : PYTHON BASED APPLICATION
- Language Used : PYTHON, HTML5, CSS
- Development environment: Visual studio code
- WebBrowser : GOOGLE CHROME

Hardware Requirements

- Processor : intel i5,i3 ,10th Gen
- OperatingSystem : Windows10
- RAM :8GB
- HardwareDevices : Monitor ,SSD,RAM
- Harddisk :64GB
- Display : 15.6 inch Full HD+

FUTURE SCOPE

In conclusion, As mentioned the project is on python platform which is coded in Jupiter with the help of HTML, CSS. But this project is only for MCQ test but in the future we have plan to extended it to support subjective type of questions with more functionality. We will add Administrative part on it which able the system to delete test, add user, delete user and so on graphically via the web.

To conclude, this is a simple Online Quiz App which willhelp ateacher to punch MCQ questions to system which will be stored in SQL Server database and able the student to attempt any test for once. The marks of student will be calculated according to questions they attempt and will be displayed by the system to teachers and student in a full report form which is an additional advantage to the users.