

# **Online Exam System**

Online quiz management system report in python. Modern hand held devices such as smart phones have become increasingly powerful in recent years. However, there are some applications that allow users to flexibly execute tasks which are done by personal computer (PC), laptop etc. As mobile devices become more like PCs they will come to replace objects to accomplish necessary tasks. If any mobile applications has developed to mitigate administrative work as well as fulfill user (other than administrator) requirement, then task can be complete within the smart phone.

A Online Quiz application, which is developed for Android base platform falls into this category. The prime objective of "Online Quiz Application" is to take quiz for any individuals through internet. Administrative tasks including user creation can be done from "Online Quiz Application". Besides, report will generate with score where administrator can check for interviewee's result.

This is a web-based intelligent multiple-choice-question examination system, named Online Intelligent Quiz System (OIQS), for assessing students. It is a system by which students can appear in a quiz from anywhere of the world where there is no interaction between pencil and paper rather interaction between computer and human being. We use the term intelligent here as the system generates questions intelligently. There are many definitions of intelligence but we use the term intelligence in the sense that the system generates the a new question of a quiz by depending on the result of the question last answered and for the same quiz of a subject it generates different questions for different students. The

questions vary student to student for the same quiz while they are sitting in the quiz at the same time. Teachers can use the OIQS for evaluating students effectively, efficiently and perfectly. Any university, college, school or educational institute can use this system for their organization to take quizzes. Today it is the more efficient and effective methods of assessing distant students.

One of the main benefits of our system is automated marking, that is, teachers do not need to check the answer script as they do in manual quiz. It saves valuable time of a teacher. On the other hand, students can score according to his/her merit level and it will give feedback about a student in which side he/she is weak. In recent years, the use of online quiz systems has become quite popular due to pressures of increasing class sizes and the need for more efficient and effective methods of assessing distant students. It is due to the popularity of distant education. Still now maximum educational institutes have been using manual system to take quiz. In the recent year a few instructors of some institutes have been using web-based M.C.Q. quiz system. Actually, it depends on how much web technology a country takes or uses. For example, in Bangladesh it is rare to use a web based quiz system. But in case of U.S.A. it is a general case to use a web based quiz system.

## **MANUAL QUIZ SYSTEM**

In the early days it was the most popular methods of assessing student. Still now the system is quite popular to the students as well as to the teacher. In this system there are several problems that we faces in a common way. Some of those problems are: Manual system requires pen/ pencils and paper. Teacher needs to spend time to script checking. Student needs to wait to get their result up to the teacher finishes the script checking. These are the most common problems of manual quiz system that rotated each and every time of quiz held. For these causes the popularity of manual system decreases day by day and online intelligent quiz system is taking the place of the manual system.

## **WEB BASED QUIZ SYSTEM**

Now a day the web base quiz system is getting popular with a tremendous speed. As the technology is spreading through out the world the automated system will also taking the places of the manual systems. Currently big institutes are running their online quiz systems at a very successful rate. As the time is progressing the online quiz is making interest to the faculties and also to the students. In the big cities and organizations people are getting understand that how the online quiz system is better and efficient. With in therecent time this system will be taken place to this techno world. But this system also has some lacking. If this system has the intelligent part then it will be a perfect one. The problems that may occurs with web based quiz system: Can't evaluate the student perfectly. Can't generate the proper feed back of the students.

From the previous two systems I realize to solve the problems of those systems to get a standard quiz system. In the previous two systems the things that are short from a standard quiz system, to fix it up I design an intelligent system, which will work according to the web base system. From this intelligent system we can omit the manual system's problem criteria because it work as a web base system, which is totally automated. It also omit the general web based system because it gives the evaluate option for the students performance and feed back criteria. To get a standard quiz system I tried to join the intelligent system that I designed for my thesis project. This will help to remove thy current system's problems.

In recent years, the use of electronic online quiz systems has become quite popular due to pressures of increasing class sizes, and the need for more efficient methods of assessing distances students. This thing motivates us to work with web based quiz system. We also have tried to eliminate the problem with general web based quiz system and decide to

create a web based intelligent quiz system. In our thesis project, we have tried to develop an "Online Intelligent Quiz System" which will be popular in both the students and teachers. To develop the system we collected some documents from web. Then we have analyzed those documents and tried to find some logic from there. As a step of development we collected requirements where we have conducted a survey. In that survey we took teachers and students opinions to make the system more meaningful. For that we made a question set and gave it to some teachers and students. They gave their opinions on those scripts. In below survey details are given.

## **Objectives**

The main objective of "Lets Quiz" is to facilitate a user friendly environment for all users and reduces the manual effort. In past days quiz is conducted manually but in 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 the quiz, automatic score and, eport generation and administrative tasks like add, delete, update for admin privilege users. In this application, all the permissions lies with the administrator i.e., specifying the details of the quiz with checking result will show to interviewee or not, addition of question and answers, marks for each question, Set timer for each quiz and generate report with score for each quiz

## **Motivation**

Currently most of the Examination like organizational recruitment, University class test are paper based, which costs time and resources. Questionnaire is developed, printed, and then collect data, entry, editing, cleaning, which time consuming and costly. Proposed application is the starting for avoid those circumstances which are been currently faced by any organization.

# **Proposed Model**

## **Purpose of the project:**

This Project main purpose is to develop Online Quiz system named 'LETS QUIZ' The application (LETS QUIZ) will provide online based quiz with multiple choice question (MCQ). This quiz application will support android base operating system. With this application, users or any organization can perform actions like

- Administrative Task
- Interviewee Task

## **Administrative Task**

Addition, Deletion and update for questions, answers are the main part of administrative task. Quizzes, Users also can add, delete and update from user interface (UI). As a result, the following tasks are define as administrative task.

Log in to the application as administrative privilege

Add, Delete, Edit/Update information for User

- Add, Delete, Edit/Update information for Quiz
- Add, Delete, Edit/Update Question and Answer
- View Result

## **Interviewee Task**

Select any Quiz or subject which he /she wants to give Examination. One interviewee can give Quiz only for one time. Online Quiz Management System Report in Python. Once a quiz has finished, it become 5 inactive to that user. Finally, Score can be shown considering the quiz has been taken from any individuals. As a result, the following tasks are define as interviewee task.

- Log in to the system as Interviewee privilege
- Select Desire Quiz
- Answer questions within set time (by admin)
- Finish Quiz.

Administrator and Interviewee user login to the application from any android platform which is define as Client side. Online Quiz Management System Report in Python. On the other hand, application server or web server and Database server are define as server site. Application server communicates with the database where all the information are store Client side and server side communicate between them with Http/Https.

## **ADVANTAGE**

Students can appear in a quiz from anywhere of the world.

- There is no interaction with pencil and paper.
- Questions are generated intelligently.

The system generates a new question of a quiz by depending on the result of the question last answered.

- The system generates different questions for different students for the same quiz of a subject.

Teachers can use the system for evaluating students effectively, efficiently and perfectly.

It is the more efficient and effective methods of assessing distant students

There is provision of automated marking, that is, teachers do not need to check the answer script as they do in manual quiz.

Valuable time of a teacher is saved.

The system will give feedback about a student in which side he/she is weak.

The system implements distant education

## **Summary of the literature**

General purpose paper based exam system costs time, resources etc. Thus, online exam system gets much more popular. Online Quiz Management System Report in Python. So there is necessary to change system. Online Quiz application will reduce manual intervention and brings flexibility to users. It's very easy to use from anywhere if internet is available and concern user has access to this application. Administrative task can also be done from UI which is very new for any mobile application considering online examination.

## **FUTURE WORK**

Currently, 'Let's quiz' application is developed for Android operating system. As this is the starting of this kind of initiative, Majority for uses, Android is considered as first choice. Other platform like IOS, Windows, and Tizen etc. will consider as future development work. As Lets Quiz is developed with cross platform IDE (Titanium Studio), so few modification will help to build apps that support other operating system. Graphical enhancement will also a part of future planning. Online Quiz Management System Report in Python.

## **Conclusion**

In Online quiz management system report in python. In this , we have focused on the automated system, which replaces the manual quiz system. But the interesting thing is that the thesis is not just an online quiz system; it has its own intelligent capability. This was actually our target feature of our thesis. Online Quiz Management System Report in Python. Basically, we have tried to introduce the evaluation method of student-performance and the feed back of the student in the online quiz. Here, the questions are appeared according to the previous answer of that student. We have implemented it in our thesis and it works successfully in our system. In this system, an educational institute can make their examination procedure automated. It gives the opportunity to the authority to register teachers for different subjects and also give the facility to the students to register their

courses for the examinations using the OIQS. Though this is a MCQ based quiz system but it is a perfect MCQ based online quiz system that gives a lot of facilities to the users, as a modern quiz system should have. This system is designed basically for the educational institute but also can be developed for other examination systems like job interview, quiz contest and for other criteria. Online Quiz Management System Report in Python.

## **System Configuration:**

### **H/W System Configuration:-**

System: Pentium I3 Processor.

Hard Disk: 500 GB.

Monitor : Standard LED Monitor

Input Devices : Keyboard

Ram: 4 GB

### **S/W System Configuration:-**

Operating system

Windows 7/8/10/11.

Available Coding Language : Python

Database: MYSQL

## **RESEARCH PAPERS**

- **For Django:**

Volume 64, Issue 1, 2020 Journal of Scientific Research Institute of Science, Banaras Hindu University, Varanasi, India.

**A Django Based Educational Resource Sharing**

**Website:** Shreic

**Adamy Shyam, Nitin Mukesh**



- For MySQL:

**SFLS:**

**Simple Fast Learning of SQL**

**Por: Romário Nzenguele da Silva:**

**Por: Romário Nzenguele da Silva**

<https://www.geeksforgeeks.org/sql-tutorial/>

<https://docs.microsoft.com/pt-br/sql/t-sql/language-elements/language-elements-transact-sql?view=sql-server-ver15>

<https://www.w3schools.com/sql/>

- For Online Exam:

**International Advanced Research Journal in Science, Engineering and Technology**

**ISO 3297:2007 Certified**

**Vol. 4, Issue 3, March 2017**

**Online Examination System**

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