



INTERNATIONAL JOURNAL OF CREATIVE RESEARCH THOUGHTS (IJCRT)

An International Open Access, Peer-reviewed, Refereed Journal

ONLINE EXAM CONDUCTING APP

1Parag Gaonkar, 2Sanket Chavan, 3Mansi Kudav, 4Suyog Sawant

1Student, 2Student, 3Student, 4Teacher

1Mumbai University,

2Mumbai University,

3Mumbai University,

4Mumbai University

Abstract— Online Exam conducting App is an Android-Application for conducting tests online. The goal is to minimize cost and time for conducting physical exams and consequently providing fast and precise results on the same platform.

I. INTRODUCTION

These days the clients of android mobile are expanding quickly, the works done by laptops are being carried out in advanced cells. So E-learning is upgraded by M-learning. So this undertaking comes helpful in those circumstances in which leading an actual test is difficult.

Picking of android stage for this task is for some students from rural areas who don't have the PC/Laptop however they have in any event one advanced android phone in their home. Online assessment will lessen the feverish occupation of evaluating the appropriate responses given by the up-and-comers physically. Likewise by directing test online stays away from the necessity of different assets that are required for leading tests truly. As a result of this expense leading test online is diminished by high edges. The goal of this is to give an online stage to Organization to direct their test on the web and for students to give test online by utilizing a solitary application. Organizations can set the question paper and alter the question paper. They can see the outcome, which will assist the resources with dissecting the outcome design. Actual presence at a given test center is by no means required. The undertaking permits resources to make their own tests. It would empower the foundation to perform practice tests of different subjects or they can direct join tests moreover.

It can produce random questions from a given question set by the resources. So in light of this the circumstance like leakage of question paper is totally avoided. Test Results are accessible right away.

II. LITERATURE REVIEW

Sanjay Kumar Singh, Arvind Kumar Tiwari manages the calculation of auto producing test paper, and talks about the security of the framework [1]. Here the online exam is based

on B/S structure in which the server is broken into database server and application server. They utilized algorithm for Auto Generation of Paper. Jay Lakhani, Jaykumar Shah, Uday Repetition are proposed a framework that produces question paper in two kinds that are Adaptive and Non-Adaptive by utilizing the unique sort of algorithm [2] Deepankar Vishwas Kotwal1, Shubham Rajendra Bhadke, [3] the Online Assessment Framework is effective, quick, and diminishes the huge measure of material assets. This framework utilizes HTML, JAVASCRIPT, JQUERY, AJAX, JSP, and MYSQL database which might be conveyed on either on the Web or Intranet. Likewise this framework upholds random question show at a time, solution to the issue of safety and cheating for online exams. [4] Sendhil Kumar Agarapu Raghavendra proposes a structure that offers security to upgrade online Assessment by utilizing DMZ Idea in firewall development. DMZ is one of the major thought in an Equipment Firewall and their utilization in redesigning security in online Assessment structure. This paper looks at the execution of online test concerning the security given by the firewall advancement.

PROBLEM STATEMENT

The entire cycle of allocating test and evaluating their scores after the test was done physically by Teachers. Preparing the test paper for example checking and distributing particular

score used to require significant amount of time. *B. Student Aspect*

Disadvantages of Existing System:

- The current system is very time consuming.
- To take exam of more candidates more invigilators are required but no need of invigilator in case of online examination.
- The chances of paper leakage are more in current system as compared to proposed system.
- Result processing takes more time as it is done manually.
- Requesting registration.
- Logging into the system.
- Edit user information.
- Selecting the test.
- Appearing for the examination. • Reviewing the given responses.

IV. PROPOSED SYSTEM

Proposed system will assist with keeping the record of students or applicants who will give test. It will likewise store the records of individuals from the establishment or association. It will store all the information identified with assessment like inquiries, test detail, and test plan and so forth. The proposed system will likewise assist with leading an online test so the client can take the test whenever and applicant can likewise partake in test from any piece of this world. At the hour of online test random questions will be produced with the goal that no competitor will get a similar question simultaneously. The proposed system will likewise assist with evaluating paper simultaneously after the finishing of the test. This framework is utilized to take care of numerous issues looked by instructive associations or some other association. This framework is utilized to direct target based/various decision based online test. This framework will create all the necessary report to keep the record in documents.

A. Advantages of Online Examination :

- Physical presence at a given location is absolutely not necessary.
- Results are available instantly.
- Can be easily accessed 24/7 over the open test period.
- Easy Accessibility
- Accuracy in checking the answers, calculating results.
- User friendly.
- Online exams - Convenience, security and Flexibility.
- Exam can be assembled and previewed, edited and published instantly.

V. METHODOLOGY

A. Administrator Aspect

- Taking backup of the database.
- Editing/Deleting/Creating the database.
- Changing the password.
- Logging into the system.
- Creating a test.
- Marking correct answers within a given options.
- Time limit of the test if any.
- whether to randomize the questions.

C. Exam Module

1) Examination process:

- Login to the online examination system.
- Attend Test
- Submit

2) The form of questions in the page :

- Multiple choice questions
- The questions are selected at random

VI. IMPLEMENTATION

There will be a Java-Android Application which will have front end i.e., design, will be done using Xtensible Markup language (XML) which will be binded with Java files in src under parent directory. There will be a java based android activity code using Volley library in java to call server running in firebase. The main reason to do this to collect the data from firebase. Note that firebase is used as middleware.

A. Front End (Android App)

The Front End consists of an Android App which can be used by both Students as well as Professors. There would be two sections for log-in, one for Students and other for Teacher. Students would appear for Examinations using this Application.

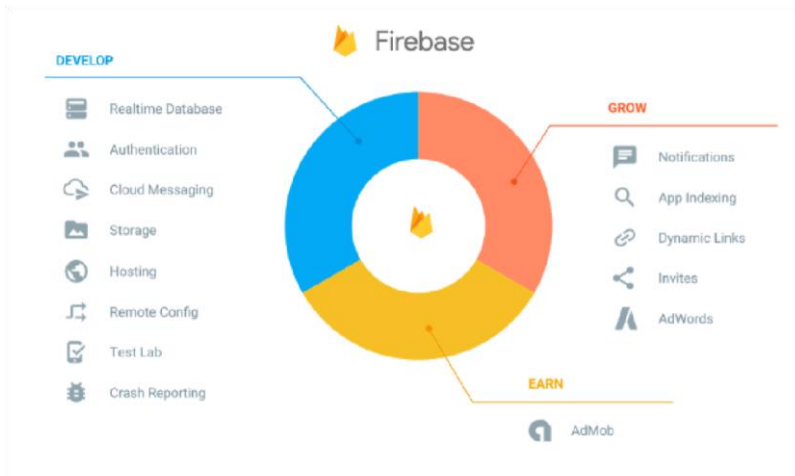
B. Firebase

Firebase is a Backend-as-a-Service (Baas). It provides developers with a variety of tools and services to help them develop quality apps, grow their user base, and earn profit. It is built on Google's infrastructure.

Firebase is categorized as a NoSQL database program, which stores data in JSON-like documents. In Firebase, a

document is a set of key-value pairs defined by a schema. A group of documents makes up a collection.

Key Features:



1) **Authentication:** It supports authentication using passwords, phone numbers, Google, Facebook, Twitter, and more. The Firebase Authentication (SDK) can be used to manually integrate one or more sign-in methods into an app.

2) **Realtime database:** Data is synced across all clients in realtime and remains available even when an app goes offline.

3) **Hosting:** Firebase Hosting provides fast hosting for a web app; content is cached into content delivery networks worldwide.

4) **Test lab:** The application is tested on virtual and physical devices located in Google's data centers.

CONCLUSION

The key idea is to limit the measure of paper and convert all types of documentation to advanced structure. It very well may be seen that the data required can be acquired effortlessly and exactness in the modernized framework. The client with moderate information on PC or portable can have the option to work the framework without any problem. The framework additionally creates brief outcome needed by the organization.

REFERENCES www.google.com

