

Android App For Online Examination And Result System

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Abstract—The goal of the Online Examination Method is to automate the present manual system using computerised equipment and full-featured computer software to meet their needs, so that their valuable data/information can be stored for a longer period of time with easy access and manipulation. The essential software and hardware are simply accessible and manageable.

It might help the user focus on their other tasks rather than maintaining track of their records. As a result, the company will be able to make better use of its resources. The company can keep computerised records without having to make duplicate entries. That implies you won't be distracted by irrelevant information while still being able to get to the information you need. The goal is to automate its current manual system using computerised equipment and full-fledged computer software to meet their needs, so that their valuable data/information can be saved for a longer period of time with easy access and manipulation. Essentially, the project explains how to manage for higher performance and better client services.

Keywords—Hardware: Mobile Phones, Pc or Laptop
Software: Java, Mysql, XML, Android Studio

I INTRODUCTION

The "Online Examination System" was created to address the shortcomings of the practising manual system. This software is designed to eliminate or, in some circumstances, mitigate the difficulties that this system now faces. Furthermore, this system is tailored to the company's specific requirements for smooth and efficient operations. To eliminate data entry errors, the programme is kept as simple as feasible. When entering invalid data, it also displays an error notice. The user does not require any formal knowledge to use this system. As a result, it demonstrates that it is user-friendly. As previously stated, the Online Examination System can lead to error-free results. technique of management that is safe, dependable, and quick It might help the user focus on their other tasks rather than maintaining track of their records. As a result, it will benefit the organisationsystem for online testing Teachers can add/delete questions, set the proper answers, choose the exam period, register students, delete students, present questions to students at random, and compute and display the final results for students in a database.

II PROPOSED SYSTEM

System for online testing Teachers can add/delete questions, set the proper answers, choose the exam period, register students,

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System design:-

The client/server architecture is used in the online examination system. The client can connect to the server through the internet or a local host, and PHP and MySQL on the server side are in charge of producing exams and saving and returning data from the database.

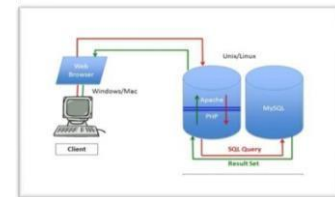


Figure 1: System Overview Design

The actions of the system

System of login:

The following programmes are included in the login system:

login as admin:

Using the previously saved admin name and password, an individual can log on to the system as an admin at any time to manage administrative tasks. Only if the input detail matches the database is logging successful; otherwise, an error notice is provided.

Login as student

During the registration process, the admin will sort each student's information, allowing that student to log on to the

system without having to go through the registration procedure again. Only if the input detail matches the database is logging successful; otherwise, an error notice is provided.

2. Admin activities

Admin activities contain the following programs:

- Questions management

Managing questions contain two main operations:

i. Adding Questions:

Include adding three type of questions according to the admin desires either (true/false, multiple choices, image matching).ii.

Deleting Questions: include deleting questions of the three types of questions (true/false, multiple choices, image matching).

- Students management

Managing students contain two main operations:

i. Registering students:

Include inserting the information of each student (student name, email, and password) to complete the registration process.

ii. Student deletion: the administrator can delete any student by entering the (name and email) of the student to be deleted.

- Management of results: display the results of all pupils.

3. Activities for students

The operations included in student activities are:

- Conduct the test:

After logging in, the student will be presented with a set of questions to begin and complete a test.

- Get the Results :

After answering all the questions in a specified period the student will finish the exam and his/her degree will be displayed on the screen.

Application

Management of the student database:

Students' information, such as name, class, section, address, and phone number, can be saved.

Performing Arts:

This programme can help keep track of a student's scholastic and co-curricular achievements. :

Exam dates are as follows:

Some pupils will be unaware that their exams are approaching. This application will be extremely beneficial to such pupils.

Exam results are as follows:

Students will be able to view their exam results online rather than having to come to school to do so. Through the use of this programme, you will save time, money, and effort.

Safeguarding:

Because unauthorised people will not be able to access the application, the data that is stored will be secure.

Students' seating arrangement:

This programme can be used to plan the seating arrangement for the examination.

Add a new subject test or exam:

This tool can assist with the addition of a new exam or test date of the subjects that the student is appearing for.

V CONCLUSION

We have more flexibility when we use an open source language, but it takes longer to programme. The proposed Online Examination System (OES) may be easily used by universities and institutions to make the exam more safe and flexible. The system is divided into two main subsystems (student and administrator), each designed to deliver the most functionality to the system. By showcasing each subsystem service in detail, you will get an advantage. The administrator's responsibilities are well defined, and they include the ability to change user information, such as adding (reg.) and deleting users, as well as controlling test materials and content, such as adding and removing questions. The suggested system is simple and versatile since each component can be maintained and modified in the future. It's possible to handle it separately from the rest of the system.

VII. FUTURE SCOPE

In comparison to other test systems, the Online Examination System is frequently used. Private institutes as well as educational institutions might employ an online examination method. It may be utilised anywhere and at any time because it is a user-friendly web-based programme.

Every piece of software may contain bugs, errors, security issues, or system flaws. There are numerous issues or system flaws, such as computer failure or crashes due to a power supply problem, which will invalidate the efforts of a large number of pupils.

There are numerous possibilities for software to give incorrect results or present invalid data. It may be useful in obtaining detailed information about flawless management. The collection will be evident, easy, and sensible in a very short time. It will assist a person in comprehending the management of the previous year in a clear and vivid manner.

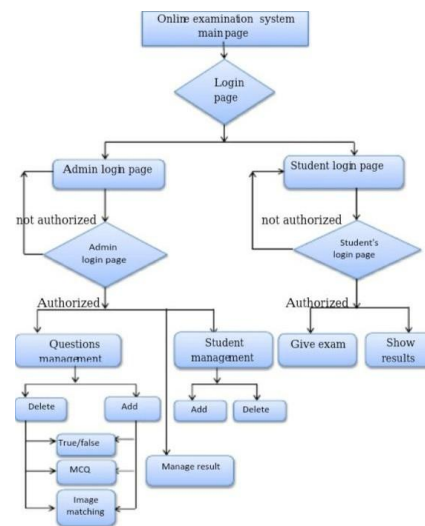
It also aids in the present development on the Online Examination System. The cost of collecting the management will also be decreased, and the collection operation will run smoothly. Our project attempts to automate business procedures, which means we've attempted to computerise numerous Online Examination System activities.

In a computer system, a person must fill out numerous forms, and a large number of copies of the forms can be generated quickly. It is not essential to create the manifest on a computer system; instead, we can print it immediately, saving time. To assist employees in documenting the time and effort they put into their different work areas.

- To make the most of resources by boosting their productivity through automation.
- The system creates numerous sorts of data that can be used for different purposes.
- It satisfies the user's needs. - Be simple for the user and operator to understand • Be simple to run - Have a nice user interface
- Be scalable - Delivered on time and on budget

SYSTEM ARCHITECTURE:

Fig.Data flow Android App For Online Examination And Result System



Working Methodologies:

System module design During this phase, we will learn about the system's software requirements. We gather all of the necessary components to build the project at this phase so that we have a comprehensive understanding of the requirements before beginning to design it. As a result, we'll move on to the project's design phase, followed by its implementation phase. processes that are engaged are -

- The date of the examination's start and other details are addressed in the examination announcement.
- Exam Schedule: This is where the exam schedule is created.
- Admit card: A student's identification card can be used as an admit card.

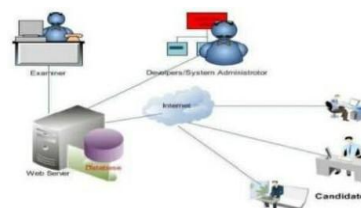


Fig.Representation of Online Examination System.

Aspects of Student :

Requesting Registration

- Using the system to log in.
- Change the information about the user.
- Choosing an exam.
- selecting the test
- At the end of the examination, printing the results.
- Examining the responses that have been provided.

Exam Module:

Exam Process

- a) Go to the online exam system and log in.
- b) Take the test
- c) turn it in The following is the format of the questions on the test page: -

Questions with many choices

The questions are chosen at random from a pool of possibilities.

Aspects of the Administrator:

- Creating a database backup.
- Creating, editing, and deleting the database.
- Changing the password is a good idea.
- Using the system to log in.
- Candidate registrations are being accepted.
- Making a test is the first step.
- Adding questions to the above-mentioned examination.
- Providing several answers to a query.
- Selecting the correct answer from among the available options.
- If the test has a time limit, what it is.

- Whether or not to ask the questions in a random order.
- Deduct points for incorrect responses.

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