

STUDENT VISION BY USING ANDROID APPLICATION DEVELOPMENT

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Abstract—This Android application where everyone can register and take the test themselves as a student. Here they can practice daily tests and GK tests. Students can register and can login with their individual ID's which are permitted by the admin. Admin will provide daily tests by giving questions with options also will get the results at a time. This application is used for conducting exams through online and the test will be customized so that system will have automated checking of answers based on user interaction. It will help the many institutes to testing of students and develop their skills. The main goal of this application is to evaluate the student effectively through a automated system that not only reduce the required time but also get the fast and accurate results.

KEYWORDS:Android, Examination system, Tests, Results.

1. INTRODUCTION

In the emerging world of technology, Mobile applications are growing rapidly of the worldwide mobile market. Mobile technology could be a style of technology that's mostly employed in cellular communication and other aspects. Mobile technology was a mystery twenty years ago but now, it's become something necessarily to both the agricultural and concrete areas. This android started as a noteworthy achievement within the world but now, it's transforming into user comfort technology thanks to its present diverse functionality. When the mobile was first introduced, it's used basically for SMS, calls and games. But now it transformed into a digital world and has made life and business much easier and better.

Android is an open-source movable package with Linux-based platform released by Google. It consists of the package, middleware, and programme and application software. Certainly, Android is on the brink of become the foremost widely used OS on mobile phones, but with Android comes a security vulnerability that few users take into consideration [1]. There are plenty of android based mobile applications that are freely available within the play store that are accessed by the people for various purposes.

Online Examination System became a fast growing examination method in the world. The method get popular due to its speed and accurate results. It also doesn't need any invigilator to write the exam for the students. Now a days all educational institutions and organizations conducting objective exams through this online exam[1]. By this, it saves students time in examination. All institutions and organizations wants to finish up the exam in less time. This online examination system also helps the environment by saving paper.

In this application the user gets their user id and password by registering in the registration process. When the admin update the test, the user can write the exam, within the time duration. After the completion of time duration, no changes are allowed. With this, the results are very accurate and error free as the computer gives the best results than man also gives the fast results.

Some of the features in this application are:

1. Login system.
2. Secured by password.

3. Answer checking system.
4. User profile
5. Could update profile.
6. Logout.
7. Admin panel.

More time saving and high accurate system is required as the number of applicants is increasing day by day. For all students and professionals, it is very important to have some basic understanding about this system.

2. LITERATURE SURVEY

In the existing environment there are different ways in which students can write the examination. The students who can write the exam by means of physical infrastructure and even they can appear for the computer based application. By this application, it is expected to add the interest of learning among different students to use computer since the existing of this technology has been widely used by the people who are present in the society.

Many researches have focused on a web examination system. Technology has supported online examination successfully for form of years, and has enhanced the net test process[3]. Over years, many colleges and institutions in developing countries are still involved in an exceedingly manual system[2] of writing examination. This manual writing examination system has lot of demerits. The foremost objective of this paper is to provide a report on the implementation of the examination system. The implementation system was developed using UML diagrams like use case diagrams, sequence diagrams and activity diagrams.

With this application, the method of conducting exams and processing results is created ease. More so, there's an affordable level of security and integrity on the conduct of examination[3][4].

3. PROPOSED MOBILE APPLICATION

A. Problem Statement:

Since the prevailing system have many drawbacks like time consuming, difficult to get the test results manually to watch the more students within the examination hall require more observers and therefore the test results aren't accurate because of calculating the test manually. Checking of results takes longer which are done manually. With the proposed system, it saves the exams information within the database and makes easier thanks to give exam teachers can add their exam rules and students can give exam during a totally automated system[5].

B. Solution:

In the existing system, the students take the exam by end of the course given in the institute. It takes more time and difficult to get the results manually[2]. And students also used to improve their GK by reading newspapers. But with this proposed system, there will be daily tests to practice and test their status and also have GK tests. So that the students or the users can utilize this application. Also usage of the internet in the current position is very high. Especially students spend more time with the internet. This consumes less time and also gets accurate results.

System activities:

1. Login system.

2. Admin activities.
3. Student Activities.

Login system contains the following:

- **Login as admin:**

By using admin name and password anytime the individual can log on to the system he/she desires as an admin to manage the admin activities. Logging is successful only when the input given is matched with the database, else an error message is displayed.

- **Login as student:**

The information of each and every student will be stored by the admin upon the registration process. When the registration is successful then the student can log on to the system with their individual ID'S and password. Here also logging is successful only if the input is matched with the database, else an error message is displayed.

Admin system contains the following activities:

Admin will upload the daily tests and GK tests also give the daily tests results and GK test results. While practicing the daily and GK tests the time duration will be presented. If the time limit is completed then the test stops automatically.

- **Admin activities:**

Admin activities contains the following:

1. **Questions Management:**

This management seems that the admin will be adding and deleting the questions.

2. **Students Management:**

- **Registering students:**

This seems inserting the information of every student (student name,email,password,confirm password) to complete the registration process.

- **Result Management:**

The admin will show all the test results after the completion of exam.

Student activities:

Student activities contains the following:

1. **Give the exam:**

After the completion of registration process, the students can log in to the system and can take the daily tests and GK tests which are uploaded by the admin.

2. **Get the results:**

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

4. RESULTS AND DISCUSSIONS

Student Vision admin page. In this page, admin can upload the daily tests for users, as shown in fig 1. Admin can give the question in fig 2. Admin can set the time limit in fig 3 i.e End user registration page. In this page, the user need to give necessary information to get registered as shown in fig 4 End user login page. Here the user can login to this application by giving correct registered details as shown in fig 5. Questions which are uploaded by admin as viewed in fig 6. Which is a Results page. Here the user can see results after the completion of exam as shown in fig 7. Test numbers with dates which are attempted by the user and viewed by admin as shown in fig 8.

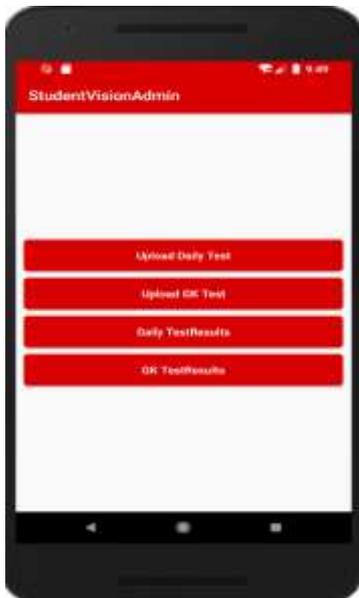


Fig-1: Admin will upload the daily tests

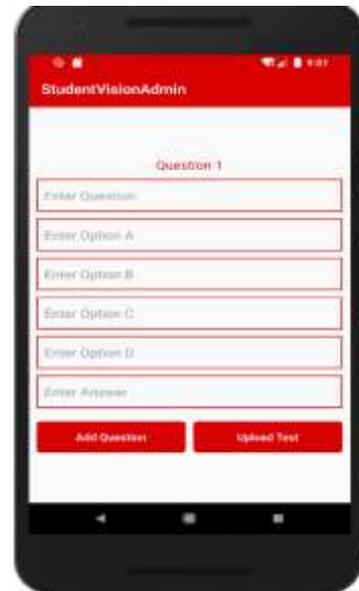


Fig-2: Question display



Fig-3: Time limit



Fig-4: Registration page



Fig-5: Login Page

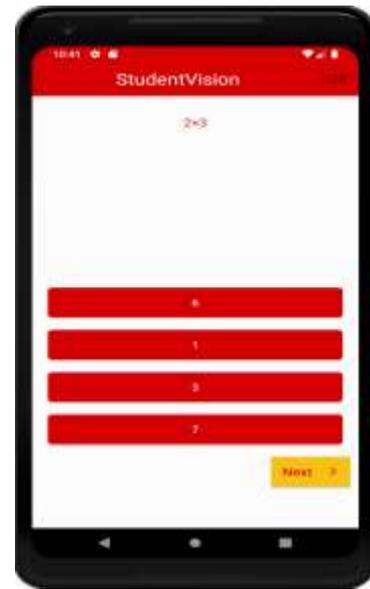


Fig-6: Questions uploaded



Fig-7: Results Page

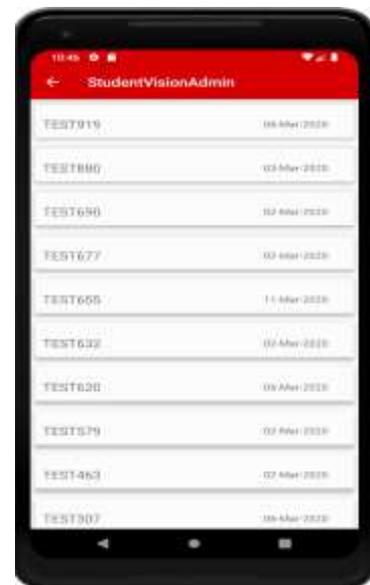


Fig-8: Test numbers with dates

5. Conclusion

This application provides facility to conduct online exam for the students. It saves a lot of time because it allows number of students to write the exam at a time. It will also display the results because the test gets over so no should expect the result automatically after the completion of the exam. Administrator will supply the login ID and password to all the students who get registered with their respective email-ID. The main concept of this application is to reduce number of papers. The result obtained will be ease and accurate within the computerized system. The user who is going to write the exam would have minimum knowledge about the computer system can operate the system easily.

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