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# Design and E-Exam System Based on the Android Platform

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**Abstract:** Online exam system is android application, it establish communication between the student and online technical examinations on various technologies. These questions are displayed as a test to the eligible students. The answer enter by the students are the evaluated and their score is calculated and saved future to evaluate performance. Online exam system provides the platform but does not directly participate in, nor is it involved in any test conducted. Questions are post by the app, but user use of the app to register before posting the questions. “Exam Android Application” forms of educational institute to the functioning of the examination. It is a very essential for apps to handle the examination and their result. It is a very useful for apps to test it is a student continuously for their mutual development. This application is helpful for conducting multiple choice examination which can conducted regularly as well as surprise test and provide immediate results, saving the precious time of faculties to check the papers and prepare mark-sheet. The android application is developed using android studio and MySQL as a database for storing data.

**Keywords:** Registration, Login, Faculty, Students, exam, etc.

## I. INTRODUCTION

Exam Android Application” is being launched because a need for a destination that is beneficial for both exam app and students. With this application, exam app can register and host online exams. Students can give exams and view their results. This application is an attempt to remove the existing flaws in the manual system of conducting exams. Purpose of “Exam Android Application” fulfilled the requirements of the institutes to conduct the exams online. They do not have to go to any software developer to make a separate site for being able to conduct exams online. They just have to register on the app and enter the exam details and the lists of the students which can appear in the exam. Students can give exam without the need of going to any physical destination. They can view the result at the same time. Thus the purpose of the app is to provide a system that saves the efforts and time of both the institutes and the students. Provide facility to Institutes to host. Online Exams System is an android application that established a network between the institutes and the students. Institutes enter on the app the questions they within the exam. . There will be no need to get new software every time to conduct an online test. Also like other online websites, it will help students by: Saving the extra time of going too far away Exam Centre. Students need not wait for their results. Also this application will remove the flaws of existing Manual Systems like: Reducing the manual labor. Avoiding mistakes due to human error. Will increase efficiency and save time. Will allow neat handling of data rather than error prone records. This score then can be accessed by the institutes to determine the passes students or to evaluate their performance. Online Exams System provides the platform but does not directly participate in, nor is it involved in tests conducted. Questions are posted by the faculties, but users of the app. The app has an administrator who keeps an eye on the overall functioning of the system. “Online Exams System” is application software, which aim at providing Services to the institutes and providing them with an option of selecting the eligible students by themselves. It is developed by using J2EE technology and related database. [1] Online Exams is being launched because a need for a destination that is beneficial for both institutes and students. With this site, institutes can register and host online exams. Students can give exams and view their results. This site is an attempt to remove the existing flows in the manual system of conducting exams.

## II. LITERATURE REVIEW

The whole process of assigning test, and evaluating their scores after the test was done manually till date. Processing the test papers that is checking and distributing their scores used to take time when the software was not installed.

A. *Disadvantages of Previous System:*

1) The process was very time consuming.

- 2) To conduct exams of candidates more invigilator are required.
- 3) Result processing takes more time as it is done manually.

**B. Advantages Of Current System**

- 1) The website will help the colleges/organizations/companies to conduct their online exams.
- 2) Only authorized person can access related details.
- 3) The organization will register them on the app for conducting their exams.
- 4) Organizations can change their information regarding themselves.
- 5) The students can login through TEST-ID and PASSWORD and give their exams.
- 6) Administrator will be responsible for updating the app.
- 7) The organization can change questions and test papers whenever they want.

**III. PROPOSED SYSTEM**

The “Exam Android Application” will help the colleges/organizations/companies to conduct their online exams. Only authorized person can access related details. The organization will register them on the website for conducting their exams. Organizations can change their information regarding themselves. The students can login through TEST ID and PASSWORD and give their exams. Administrator will be responsible for updating the app.

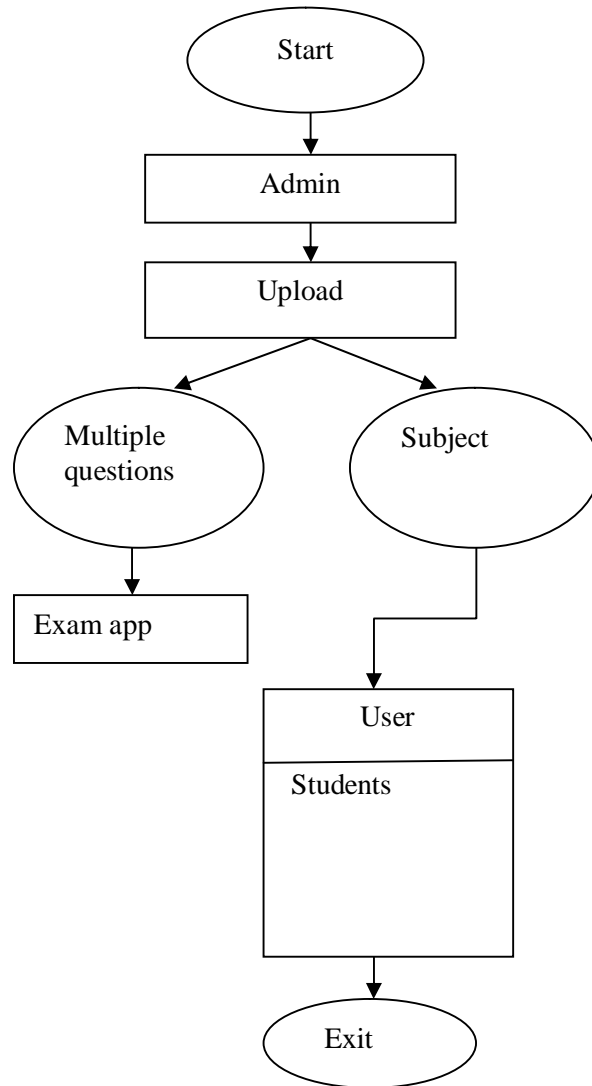


Fig1: System flow of Application

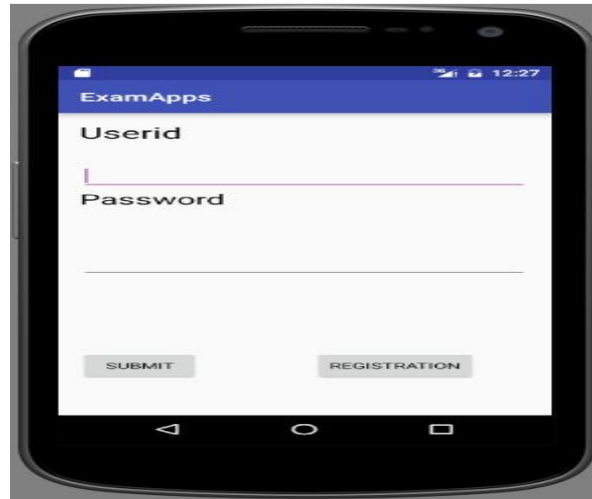


Fig 2: Module I- Login page

*A. The features Available to the Administrator Are*

- 1) Can create, deletes an account.
- 2) Can view the accounts.
- 3) Can change the password.
- 4) Can hide any kind of features from the both of users.
- 5) Insert/delete/edit the information of available on OES.

*B. The features Available to the Examiner Are*

- 1) Can view the different categories of Test conducted by users.
- 2) Can change password.
- 3) Can view their marks.
- 4) Can view and modify Results.

*C. The Features Available to the STUDENTS are*

“Exam Android Application” is designed for Educational Institutes (like schools, universities, training centers).The app will handles all the operations, and generates reports as soon as the test is finish, that includes name, mark, time spent to solve exam.



Fig 3:ModuleII- Registration page

User login process is completed after then move the registration page. User you want to registration fill up the some kind of details like that enter the name, e-mail, password etc.

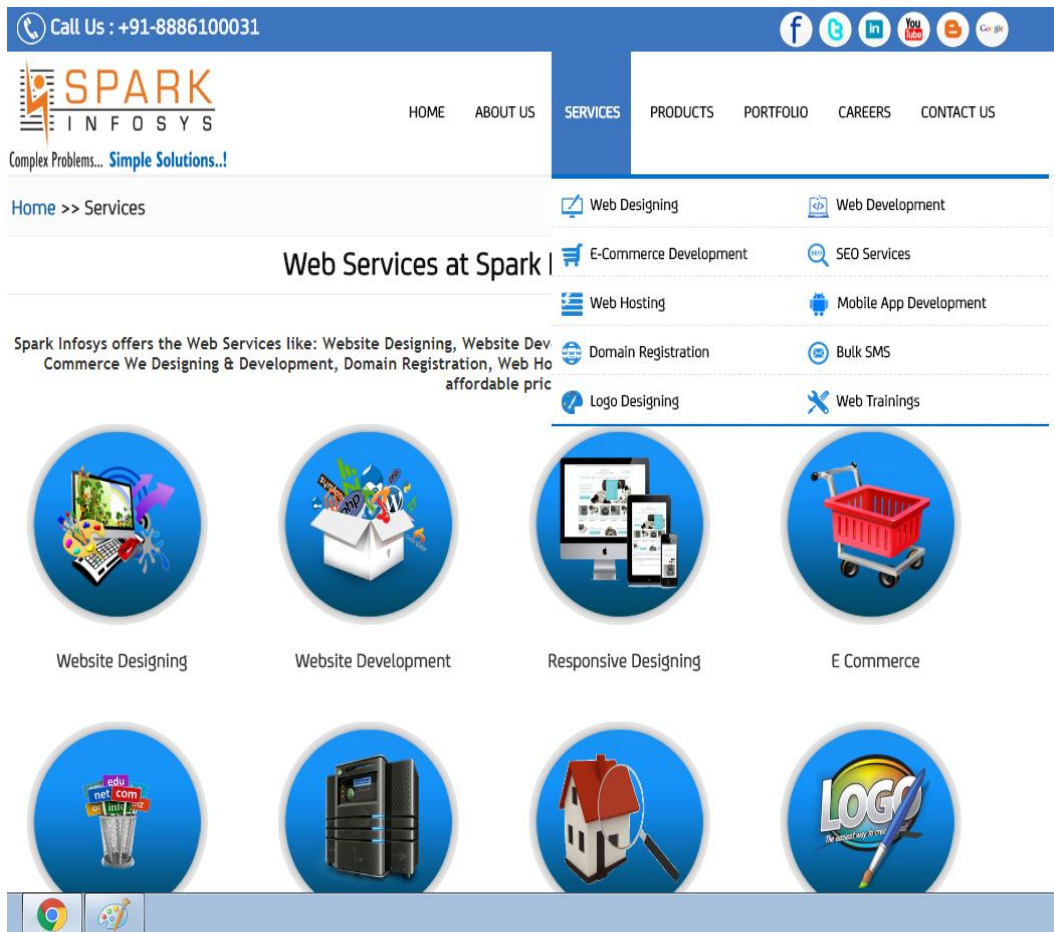


Fig1.2: Exam service system



Fig 1.3 Exam user selects the MCQ

#### IV. CONCLUSION AND FUTURE SCOPE

The app will provide an interface for teachers to add and announce exam for students. On the predetermined time student will be able to give the exam and view the score immediately. These scores will be stored immediately and the history of all the exams will be maintained.

The app will handle all the operations and generate report as soon as the test is finish which includes name time to solve the exam. Students can take exam only during the previously allotted time slots, however can open site anytime to access other information. Colleges can register for the exam anytime.

The website should be user friendly and should require least effort to operate. The web server used should provide services like session management to maintain sessions in the application.

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