Online Examination Service using Mobile Application

B.Sundarraj, S. Pothumani, N. Priya

Abstract Day-to-day life has been changed a lot . Each and everything is held through internet and many institutions, companies works through internet. Most advantages or helpful by internet is, having exam through online (or) internet. So we can write or attend the exam anywhere anytime. To make this, we need cloud concept too. In cloud, we create own cloud and store the data for exam, so a person can access data from cloud through internet anytime. And mobile application is also being trend now, so many applications of this is possible to make it out.

Keywords:

Exam, Online, Student, Database, Web Service, Administrator

I. INTRODUCTION

INTRODUCTION:

In mobile application, the service is same as which we use in computer based online service except the coding which we used for mobile application is android and for pc based could be java or any other language. Now, we are going to use android for mobile based application and java for pc based service. In this actually, we use the service of online exam. In which according to the subject choose, the related questions are displayed and the time taken for the completion of exam and score is displayed and sent as alert message for the student. All this are done through internet only. [31],[33],[35]

A. Existing System

The generation of questions could be ManualWork. [1],[3],[5]The Previous work for conducting examination need large man power to prepare that appear in the question paper. Tutors and Instructors choose the questions based on syllabus and pattern as prescribed by the given notes. This should may be send to managementand get approvals.

B. Limitations in existing system

Most of the manual work, previous system may be affected due to manual intervention. this may cause the redundancy. and also scarcity of resources and non availability, natural disasters and

authentication issues. as many human work cause issues. So there is no assurance for unique questions.. Other limitations include: - a) Insufficient memory b) Chances to break c) Issues to transferring messages d) Huge costs e) Infrastructure set up issues f) Distribution Problem g) Updating issues. [38],[40],[42]

C. Drawback in Existing System:

1. Major drawback in existing system for examination system is ,requires huge amount of papers .

2. Requires a human staff for distribution of question paper everytime.

3. May be problems occur by printing machines.

4. Storing the papers required large amount of space .

D. Advantages of Proposed System:

1. The main advantage of online exam system is that student can attend the exam anywhere.

2. Human effort is heavily reduced.

3. Result of the exam is shown immediately after completion of exam.

4. We can reduce the paper usage heavily.

The scope and limitation of this system is:

· The on-line exam system design to educational institutes.

· Hold all operation and generate reports to student, teachers and administrator.

· Support multiple choices questions.

· Allow the student to prochoice the answer and to see his mark.

· Verify a security, authority and safety..

Glossary:

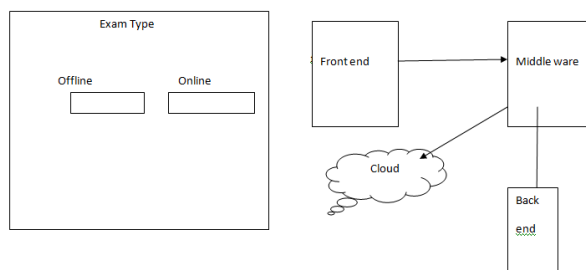|	Short name	description
1	OES	On-line Exam System
2	On-line Exam	An exam written on a web site and solves the questions, also on the same web site from any place by entered user name and password.
3	Administrator	Who is responsible to create a new course, delete course, add member or delete it, i.e: the person who control the system

E. Easy to store and retrieve information:

Rather to save the information on a papers or in separate sheets. There are a data base management to store and retrieve the information needed by the administrator or Faculty member or student according a report generated by

the system. [2],[4],[6] Hardware Personal computer, mobile.

F.Modules:

Module 1: Login form, users can login into their account by using this login form and only if already registered users can login this page by giving their username and password.

If the user is new, then he can register his name , personal details and other required details   through registration form and then he can login into his account through login form page. [32],[34],[36]

Module 3: Exam module, in this module firstly they can choose the subject and they can proceed. After selecting the subject, the questions related to the subject is displayed on the form. This is done when student selects option exam through offline.
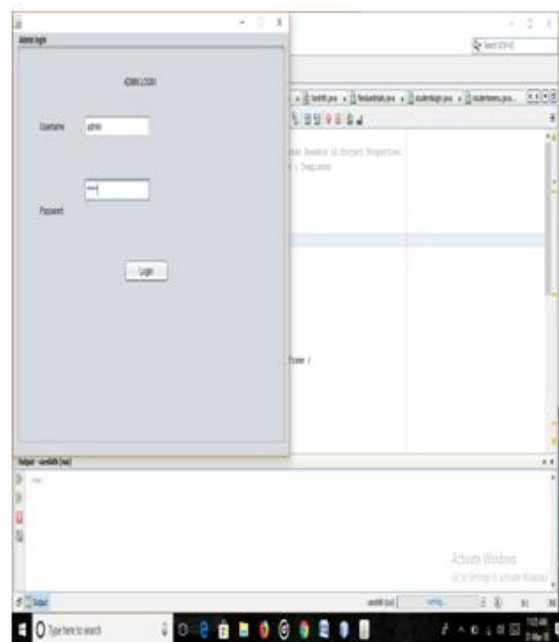

Fig, Admin Login Form

I ALGORITHM AND METHOD SPECIFICATION

1. Create a login page for administrator.

2. Create a menu form for administrator and give the necessary buttons links.

3. Now create a login page and registration page for student.

4. If a student is new then go to registration page and give the necessary details.

5. If a student is already registered then student can goto login page directly.

6. Create an interface to choose the type of exam to write by student i.e.,online or offline.

7. If a students choose offline as exam then create a page for choosing a subject to write an exam by student.

8. Now create an interface to load the questions after selecting the subject

9. If a student chooses online as exam type then he must choose the link in the related page.

10. Create a cloud for storing the online questions.

And create the database to store all questions and answers. [25],[27],[29]
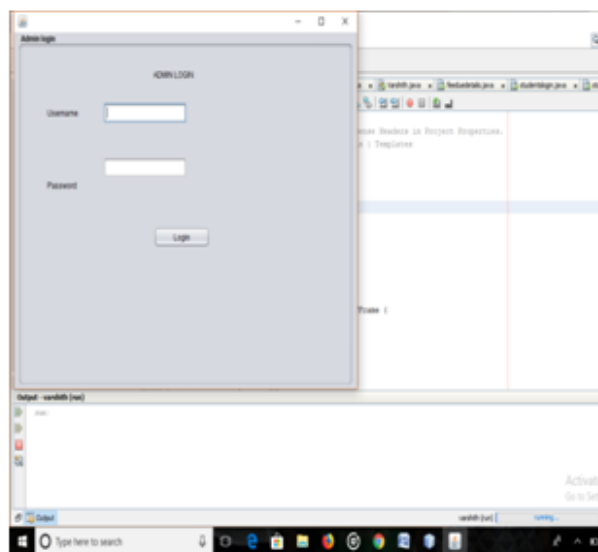
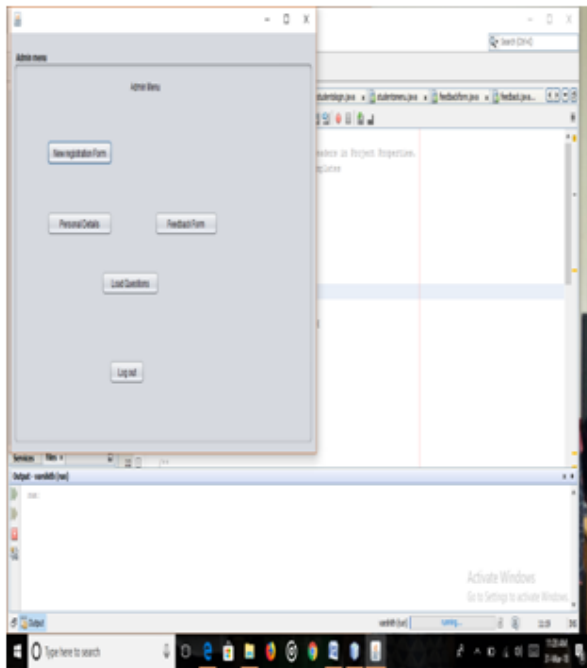## V SYSTEM IMPLEMENTATION
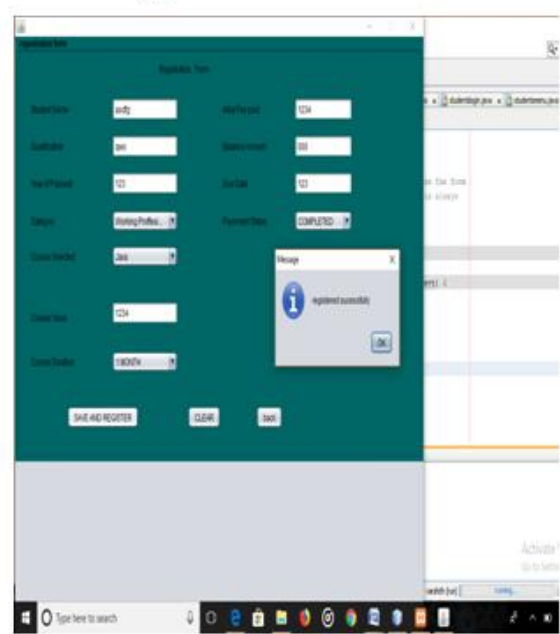

Fig, Admin Form
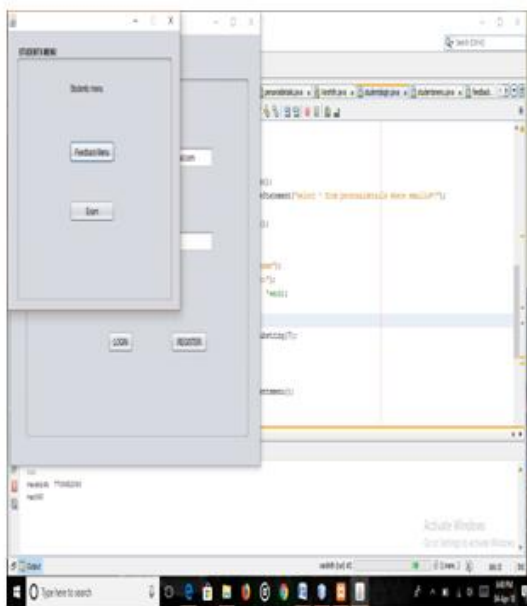
Fig, Admin Menu Form

Fig, Registration Form

Fig, Students Menu Form

II. CONCLUSION

The online examination system was analyzed and designed successfully to implement and test by including programming languages, databases ,cloud in it to achieve the bugs free application for user . [19],[21],[23]

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