Review on Online Examination and Evolution System in Brief

Mr.R.M.Patil*[1], Pooja Patil*[2], Gouri Powar[*3], Neha Sidnale[*4], Kalyani Nakate[*5]

[*1]*Assistant professor, Department of Computer Engineering, Sharad Institute of Technology*, *Polytechnic Yadrav, Maharashtra, India*
. [*2, 3, 4,5]Diploma Student, Department of Computer Engineering, Sharad Institute of Technology, Polytechnic Yadrav, Maharashtra, India

A B S T R A C T

To bring the live monitoring feature was the key challenge to accumulate into the system. To develop the system several articles and journals of different researchers and university was read. To gain the more appropriate knowledge several existing application around the world was viewed. We did not find in our review such distinct feature where system can simultaneously serves the purpose of exam process and result progress.MySQL Server is used as database management system. Apache web server is used to host the application. The system runs on both Windows and Unix environment. Online examination system is the way of improving examination activities fast and efficient manner.The live monitoring features enable this application a distinct attribute from other existing application. Keywords: website, online exam, Login. Examination is one of the best method of evaluating the knowledge and ability of an individual.

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1. INTRODUCTION

Examination is one of the best method of evaluating the knowledge and ability of an individual. In the age of present information technology, online based examination has been highly interested and suitable in both the factors that are educational and pedagogical. It can be used instead of manual or paper method which was characterized by massive flaws like examination leakages, impersonations and supervisors of examinations. Because of this system students can participate into examination from remote location and get their results instantly after finishing the exam. To get participated into the exam they should have proper access through internet or local area network. They can even use their tablet, smart phone to participate into the examination using this system. At the same time teachers or admin can create questions and can conduct exam without going to exam hall and as well as can monitor exam progress in live mode. This system is an attempt to remove the existing flaws of manual system to conducting exams. The main objective of this system is to efficiently evaluate the student thoroughly through a fully automated system that not only saves a lot of time but also gives fast and accurate result immediately. For student they give paper according to their convenience from any location by using internet and time and there is no need of using extra things like pen, paper etc.Student can login only with their given valid username and password. This examination contains Multiple Choice Questions and appropriate number of options. There are no limitation on number of options and it can be randomized so same set of questions will not appear to all student so it prevent manipulation.More than one option can be correct but user can select only one option.User can see his/her result after the completion of exam.This helps the students to write the exam from far distance and which can provide security and simplicity and other beneficial features to the user.

* Corresponding author.
E-mail address: poojasukumarpatil2000@gmail.com

2. METHODOLOGY

Admin Module:

Log In Page:-

This is the index page as well as login page of the application. To use the application features all user have to pass the authentication using their User Id and password

Controller Home Page:-

Controller home page is a dashboard of all exam information. From this page controller can view the registered participant, Exam attended participant and the participant who finished their exam. Controller can view the list of the exam progress in live mode. Controller can view the past history clicking "All" radio button. As well as he can search the particular information from the list providing keywords in search text box.

Question Creation Page:-

This is the new question creation page. Here controller should provide the content of question and the possible answers. Controller should select the right answer as well. Also he should provide the mark of the question and the time limit of that particular question. He need to set the question answer view mode to the participant using checkbox enabled to single answer inputoption.

Sign Out: - In this module the admin can sign out from the system

Exam Management Page:-

In exam management page controller can view the created exam events list. Controller can Active or Deactivate the exam thus student can attend on particular exam. He can delete the particular exam event as well.

User Module:

Participant Home Page

In this page participant can view his exam attempt information. He/she can view which exam they participated and what was their result.
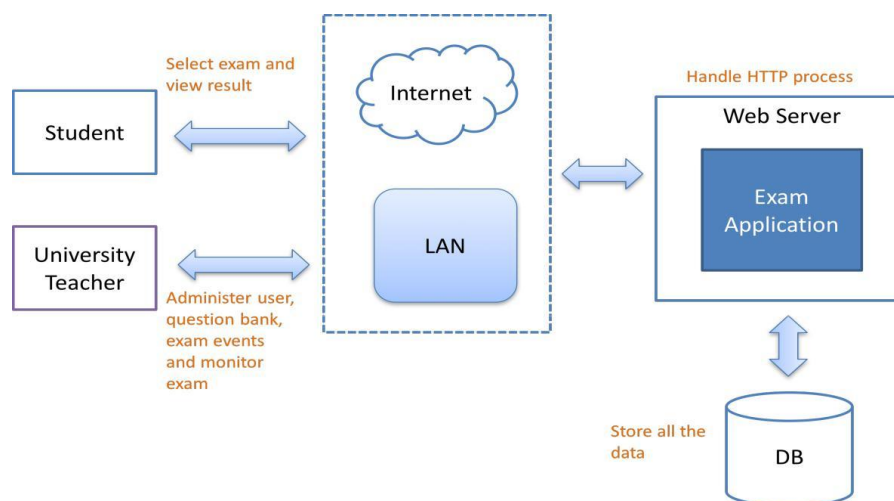
3. MODELING AND ANALYSIS

Figure Data Flow Diagram

4. APPLICATION

- The system is used to conduct examination or test online in order to measure student academic performance.
- It access candidates with multiple exam formats such as MCQ, fill in the blanks test etc.
- It creates highly customizable online assessments per your need.
- The entire institute can take the advantage of this system to take their system online.
- This system provide efficient way to evaluate the student thoroughly through the fully automated system.

5. ADVANTAGES

- Physical appearance at given location is not necessary.
- No time is spent on evolution.
- Results are available instantly.
- User friendly
- Accuracy in checking the answer, calculating results.
- Secure because of authentications.
- Exams can be assembled and previewed, edited and published instantly

6. CONCLUSION

- Online examination and evolution system is the best way to take the test online to reduce the manual checking of test paper which saves a lot of time.
- No need of invigilators in case of this software.
- This system is the way of improving examination activities fast and efficient.
- This software is interactive and user friendly has all the command controls that would allow student successfully accomplish the exam have been implemented using the simple graphic style.
- All user needs to do are register by fill up the signup form with their ID, Name and Password.
- The student and controller both have to pass authentication to log in to the system.

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