

Exam-In (India) Online Examination Portal

^{#1}Prof. Ganesh Kadam, ^{#2}Mr. Ajitkumar Singh, ^{#3}Mr.Sahil Abhang,
^{#4}Mr. Satish Narwade, ^{#5}Mr. Sumit Bapure

ajitsingh6892@outlook.com, abhangsahil11@gmail.com, narwadesatish135@gmail.com,
sumitbapure700@gmail.com



^{#1}Assistant Professor, Department of Information Technology, G.H. Rasoni Institute of Engineering Pune, India.

^{#2345}U.G. Student, Department of Information Technology, G.H. Rasoni institute of Engineering Pune, India.

ABSTRACT

This document will include all features and procedures which are required to develop the system. This document include special details about objectives of the system, system scope limitation, system process model, primary system requirements, team development, probable project risks, schedule of the, and finally monitoring and reporting mechanisms for the entire system. Online Examination Conducting System is very useful for Educational Institute's to prepare an entire exam, save the time that will take to check the paper and prepare mark sheets. E-Examination system will help to the educational Institute to test students and development their skills. But the disadvantages for e-Examination system, it takes a more time when user prepares the exam at the first time for usage. And to take the exam we require the number of computers with the same number of students. The effective use of e- Examination System, the coordinator can use this system to develop the tests as their requirements, and for getting better results in less time.

ARTICLE INFO

Article History

Received: 6th June 2020

Received in revised form :

6th June 2020

Accepted: 8th June 2020

Published online :

8th June 2020

I. INTRODUCTION

This Project Today internet become reality and usage of this become very much popular and there is tremendous increase in all over the world for education purpose. The e-Examination System is easy to use, full featured and flexible Testing, Examination web portal. It allows Administrators and Coordinator to set different examination and question sets for registered students. The e-Examination System provides complete functionality of judging and assessing student's performance skills. The e-Examination System comprises of Question Sets effectively blended with a whole set of Features. Using different features of the eExamination System an administrator and coordinator can set an exam name, select an exam, and assign questions for exam.

II. LITERATURE REVIEW

We know that many of the different researchers have been focusing on crucial subject of an online examination system many of these work can always be represented on the following manner:

SIETTE: Guzman and The Conejo (2005) is known have proposed what is stated an online examination system called The System of Intelligent Evaluation which uses Tests for Tele-education abbreviated as (SIETTE). The SIETTE is majorly a web-based environment which is used to generate and also construct adaptive tests. This can also

be used for instructional objectives, via combining adaptive student self-assessment test questions which includes hints and important feedback. The SIETTE also supports secure login and portability features which is always important . If we see on the other hand, the other important and unique features are: resumption capability, multi-instructor, random question based selection, random questions based distribution and random choices based distribution are missing. EMS :Rashad Et. Al in (2010) had given a proposal that is a web-based online examination system called Exam Management System. The EMS work is to manage the examination and also auto grading for students whose exams are there and supports conduction of these exams, It also collects the answers, as well as auto mark the submissions, and produce all the necessary reports for the test. The EMS also supports secure login, multi-instructor, and as well as portability features. However, also the other features which include : resumption capability, random question based selection, random questions based distribution, and random choices based distribution are missing. Many important people as Arvind Singh, Niraj Shirke and Kiran Shette 2011:This project evaluates all the examiners by the use of the online examination system concept. The exams will always be totally called customizable. This system will always check all the results automatically based on the students answers and many factors . The CBTS: Fagbola et. al. (2013) had developed what is called as a Computer Based Test System .The

CBTS is a web-based online examination system which was developed to mainly address issues including lack of timing ,flexibility for automation candidates log-off upon the expiry or finish of the allowed time, as well as result integrity, greater guaranty, stand-alone deployment, need of more flexibility, more robustness, and also designed to support the examination processes and also allows overcome challenges framing the conduct of examination, auto- marking, auto- submission , and also the generation report of examination result

III. PROPOSED SYSTEM

The online examination system saves all the exams information in a particular database , all teachers can add or delete questions, as well as set the correct answers, also specify the exam period, register students ,delete particular students , show questions for students randomly, and even calculate and show the final results for students.

A.System design: The online examination system which uses an architecture called client/ server architecture. At the client which is by using a web browser that can do connection via internet or local host with the server where PHP which is Hypertext Pre-processor and MySQL database in the server side are responsible for the preparing exams processes and to save and also return the data from database.

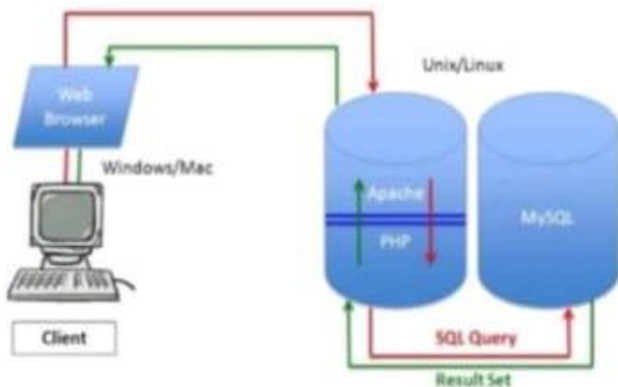


Figure 1: system overview design

B. System activities : 1. Login system -The Login system which contains the following programs as mentioned below• login as admin which includes By using already stored admin name and also password the individuals can log on to the desired system any time he or she wills to do so as an admin to manage the admin related activities. Logging is successful only if the required input details are completely matched with the database, else an error message is displayed on it. • Login as student - This includes that -The information of all the students will be sorted by the admin upon the complete registration process, if enabled this way the particular student to go and log on the system without having to always undergo the process of registration again and again. Logging is only successful if all the input detail are matched with the corresponding database, else an error message is to be displayed. 2. Admin activities Admin activities contain all the following programs: • Questions management - It includes managing of questions containing two main operations that are : i. Adding Questions: which include adding all the three type of questions according to the admin desires either of these three (true/false, multiple

choices, or image matching). ii. Deleting Questions: This includes deleting all the questions of the particular three types of questions which are (true/false, multiple choices and image matching) • Students management -This includes managing students which contain two of the main operations: 1.Registering students: This includes inserting all the information of each and every student which includes these (student name, email, and password) to complete the entire registration process. 2.Deleting student: This includes by inserting the only the (name and email) of the particular student to be deleted and the admin can delete any student. • Result management: This includes showing all the students results. 3. Students activities - Student activities contain all the following type of operations: • Give the exam: -This includes after the student does the login, a particular group of questions will be displayed to him to always start and give an exam completely. • Get the results: After answering all the displayed questions in a particularly specified period the student will end the examination and his/her degree will be displayed on the screen

C. Database design: In order to completely use MySQL database server technology, it is always essential to make sure that this database is properly well designed. The files names that are chosen to label all the tables created within the database attempt to completely reflect the table's purposeand, it therefore contributes to a well-design system. The initial step included in designing was to decide, and according to all the requirements and those may specifications of the particular project, which tables are to be created, and also what type of information each one should hold in these tables.

D. System Implementation: The general specification of the online examination system (OES) can be explained in

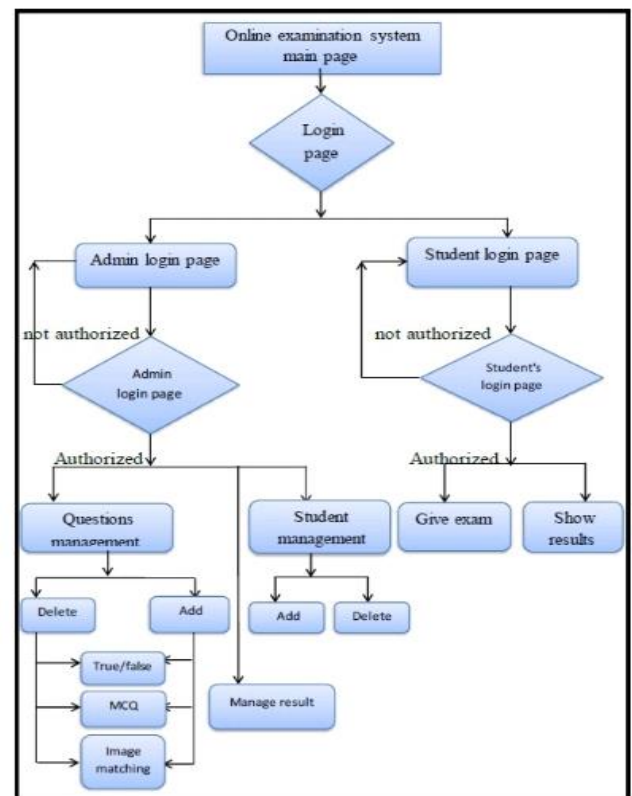


Figure 2 : System Implementation

IV. ALGORITHMS

Algorithm Steps:

Step 1: Student Identification: The system will check the identity of the student by using registration before entering the exam of taken by coordinator. This will also check eligibility of the student for exam.

Step 2: Coordinator Domain Login: The student will log into the domain of the coordinator with the user name and password provided by the coordinator domain login (Ex: username: fabtech, Password: fabtech).

Step 3: Special login into exam: The user is requiring writing the user name and password. if the user id and password is correct then the student is able to give the exam.

Step 4: Give the Exam: The student will complete the exam that is located in the exam system desktop window (Online Exam)

Step 5: Online e- Examination Coordinator Password: The Coordinator password is provided by the admin to the coordinator who are successfully login into the exam system. This gives them access to insert the questions.

Step 6: Random questions and Results: The questions are randomly given to the students, student submits the answers to the server; when the user session is completed, the examination system generates the result of the exam instantly.

Step 7: End.

V. CONCLUSION

This Web Application provides facility to take online examination worldwide. It saves time as it allows number of students to give the exam at a time and displays the results of the exam when exam is completed, so no need to wait for the result. It is automatically generated by the server. Administrator & Coordinator has a privilege to create, modify and delete the test papers and its particular questions. User can register to exam system, login and give the exam with his specific id, and can see the results as well.

REFERENCES

[1] A web services based online training and exam system(Hua Pang, Shu Yang, LiyingBian)Published in: Wireless Communications, Networking and Mobile Computing, 2008. WiCOM '08.4th International.

[2] Design and implementation of an online selftraining system for the Computer System Platform course. Published in: Advanced Computational Intelligence (ICACI), 2012 IEEE Fifth International Conference on.

[3] Yuan, Z. Zhang, L and Zhang, G. In (2003) A Novel which was a web Based Examination System for the Computer Science Education. The 33rd ASEE/IEEE Frontiers in the Education

[4] The Ayo, The CK Akinyemi, IO Adebisi, AA &Ekong, U O 2007, " All of The prospects of the e-examination implementation in the Nigeria", Turkish Online Journal of the Distance Education, vol. 8, no 4, pp. 125-134.

[5] Wikipedia, <http://en.wikipedia.org/wiki/Serialization> visited on 23rd of September 2011.

[6] B. Ipaye (2009), "E-Learning in a Nigerian Open University",

[7] C.K. Ayo, I.O. Akinyemi, A.A. Adebisi and U.O. Ekong (2007), "All the given Prospects of E-Examination

Implementation in the Nigeria", the Department of Computer and Information Sciences, particularly The Covenant University, in Ota, NIGERIA. The Turkish Online Journal of the Distance Education - TOJDE. ISSN 13026488 Volume: 8 Number: 4 Article.

[8] F. Andrew, Darren Pullen and Colleen Harper in (2009). "The Case study of a computer based examination system was conducted " Australian Journal of Educational Technology Research Volume 2.