A Study on Web Based Online Examination System

Pallavi Baske[1]* Trupti Mali[2] Ms. Jadhav S. P.[3]

[1,2] TY Student, Diploma in Computer Engineering, Sahakarmaharshi Shankarrao Mohite Patil Institute of Technology and Research, Akluj

[3] Lecturer, Diploma in Computer Engineering, Sahakarmaharshi Shankarrao Mohite Patil Institute of Technology and Research, Akluj

Abstract – Online exam machine is a net-primarily based totally exam machine wherein examinations are given online. both via the net or intranet the use of pc machine. Research and assessment for special net exam machine with inside the cutting-edge man or woman field, proposed a hard and fast of layout mode approximately popular exam platform which practice in schools and universities, studies and evaluation the important thing technology, and proposed advanced scheme, made machine being perfect.

Keywords – Web Examination System, Database

- *x* -

1. INTRODUCTION

Today Online Examination System is taken into consideration a quick growing exam approach due to its accuracy and speed. It is likewise wished much less manpower to address the exam. It is used to behavior evaluation test, flair test, psychometric test, persona test, front examination and campus exams. Organizations also can without problems display the development of the scholar that they deliver thru an exam [1]. As a end result of this, the end result is calculated in much less time. It additionally enables diminishing the want for paper. Online exam challenge in PHP may be very beneficial to research it, According to today's requirement Online exam machine is extensively critical to the academic group to put together the exams, saving the effort and time this is required to test the examination papers and to put together the consequences reports.

2. LITERATURE REVIEW

Online exam machine is one of the approach of taking checks that is doesn't require any sort of a chunk of paper or a pen. It is the quick developing approach to take checks over on-line. Speed and accuracy is the purpose in the back of the well-known of this approach due to the fact pace and accuracy is the spine of this machine. Many researchers have already researched approximately on-line exam machine and we've got evolved a on-line exam machine to hold an eye fixed in this researches as a reference and those all are the following:

[2]Zhenming et al (2003):They evolved an internet exam machine primarily based totally on net browser/server framework.[3]SIETTE Guzman and Cenejo (2005):They evolved a on-line exam machine known as as SIETTE; (System of clever Evaluation the use of Tests for Tele education). [4]Ayo et a (2007): They proposed a version of e-exam.[5]Jim and sean (2006): They justified the e-evaluation may be taken in exceptional approaches.[6] Zhenming et al (2003): They evolved an internet exam machine primarily based totally on net browser/server framework. Which helps a few top rate primary capabilities ,vendors out the exam and offer the automobile grading machine for goal questions and running questions like programming, edit MS word, Power point, MS windows, Excel etc.

These are the truly vital key phrases of any evolved machine. SIETTE Guzman and Cenejo (2005):They evolved an on-line exam machine known as as SIETTE (System of clever Evaluation the use of Tests for Tele education).The above evolved machine helps the login and a few primary capabilities however doesn't helps the top rate capabilities consisting of random questions selection ,random alternatives distribution, resumption capabilities, random questions distribution. Ayo et a (2007): They proposed a version of e-exam. The software program became evolved in non-public college in Nigeria. The purpose in the back of the evolved consisting of software program is to behavior the doorway exam for all Nigeria universities known as JAMB(Joint Admission Matriculation Board).This software program became designed and examined in Covenant college they

have been the non-public college in Nigeria. They observed the software program truly beneficial for engaging in neat and easy with accuracy front exam. It is removes the troubles which can be related to the conventional strategies of front exam. Jim and sean (2006):They justified the e- evaluation may be taken in exceptional approaches. First of all they made a e-evaluation thru net after which the mind-set has been executed that we will decorate the e-evaluation to an on-line exam machine. And they notion that there could be a many exceptional approaches to take the evaluation and e- exam. They constantly brought the content material and that they took the form of e-exam portal finally. Because it's miles the some distance away exceptional and correct than of the conventional approach to take any of the doorway exam or evaluation. Computer primarily based totally exam is one of the quality and glad approach of taking
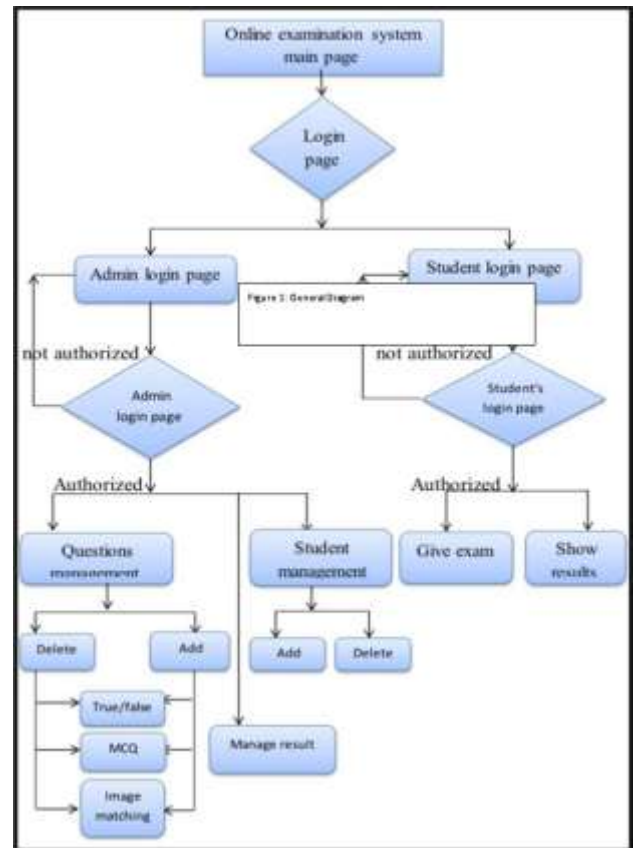
3. SYSTEM DESIGN

Online Examination System is an internet primarily based totally utility system used to create and examine examination. This gadget structure encompass three sections:- frontend, backend and database server. For the layout of the gadget we used interpreted programming language JavaScript, customer aspect Ajax techniques, so as to ship and retrieve statistics from the server, css for the styling of net pages and the relational database control gadget Mysql. The entire gadget is split into 3 modules: administrator module, trainer and pupil module.

Administrator module: The administrator module do the feature of gadget control, upload the registered facts of the person to the gadget statistics base.

Teacher module: The trainer module consists of take a look at control module, computerized setting up of examination- paper, examination-paper control, paper analysis , end result and so on. Student module: The pupil module have login choice to attend the examination and after finishing and filing the examination the end result is without delay generate.

Functionality of the System:

Login: For any pupil to be eligible for the examination, they must be registered. During registration, student fill a form and also given login credentials i.e. a username, password.

Logout: Logout enables the student to return to the login page, after writing the exams.

Create Questions: Create questions enables the admin to create the questions. The admin input the question, options and then input the correct answer and finally clicks submit.

View Result: Once the student submit the test a score sheet that comprise the result can be viewed.

Timer: The timer was implement using AJAX. The timer enables student to see the time allocated to the exam. The timer is start counting from 1000 and decrement to 0 . Once the timer decrement to zero the system logout student.

In order to fully use MySQL server technology, it is essential to make sure that the database is well designed. The files names chosen to label all the tables created within the database attempt to reflect the table's purpose and, therefore, contribute to well-design system. The intimal step in designing was to decide, according to the requirements and specifications of the project, which tables should be created, and what type of information each one should hold. The final design had taken from as explained in figure(2).

Pallavi Baske[1]* Trupti Mali[2] Ms. Jadhav S. P.[3]

Table	Rows	Type	Collation
admin_selcter	1	InnoDB	utf8_general_ci
admnlgin	1	InnoDB	latin1_swedish_ci
arich	2,632	InnoDB	utf8_general_ci
imageadd	14	InnoDB	latin1_swedish_ci
mcq	16	InnoDB	latin1_swedish_ci
result	0	InnoDB	latin1_swedish_ci
std	4	InnoDB	latin1_swedish_ci
trfa	16	InnoDB	latin1_swedish_ci
8 tables	2,684	InnoDB	latin1_swedish_ci

Figure 2: Database Table

4. ADVANTAGE

Online exam gadget could make the student's lifestyles less complicated due to the fact they don't want any paper and pen for exam. It is green and forward-wondering method to each day techniques is important in a global in which college students can graduate into an environmental disaster due to weather change. Students will imbibe those values over the path of their education. on line exam may be powerful and efficient. The college students don't waste a lot time to reply the questions due to the fact they best click on at the high-quality solution this is provided. Great functions with this examination engaging in gadget is that there isn't always any compromise with information safety. Question paper leak in on line exam isn't always viable at all. All can complete accept as true with on exam procedure over its safety characteristic. In this on line gadget, set of query papers are a lock in a safety gadget an a good way to best open on the time of exam. The sheer quantity of assets that may be used to installation a unmarried examination is mind-boggling — rom instructors placing the take a look at to directors making sure that each one college students acquire sufficient copies of the examination paper. The on line exam gadget gets rid of lots of those techniques and the associated hard work costs, that have a massive and superb effect on the lowest line of the approach enforcing instructional institution. Another benefit of on line exam is that we will recognise our rankings simply after the examination. Student can provide on line examination each time anywhere. Report evaluation can test each time and might enhance yourself. The essential characteristic which provides as much as the net exam, It is scalable over a bigger region. It can serve a bigger target market and has the capacity to do so. Sometimes, teachers may be very busy on a given day and do now no longer have any time to test the exams. Online exam can clear up this problem. The trainer does now no longer want to test all the exams. Online exam can do. It may be without difficulty accessed 24/7 over the open take a look at period. It may be timed to permit M mines to reply N variety of questions. It provide instant take a look at remarks while a take a look at is submitted. Students can take benefit of unique media; video, audio, or pictures. Student can test their development on a unmarried click on. This permits you to tune the document and development of a infant simply on a click on. Improvement in a infant is checked via a development document made through the software.

5. CONCLUSION

This device objectives on the famous exam device studies at present, designing a fixed of not unusual place examinations for the university platform and presenting an excellent circumstance for organizing all types of tests, and now have an incredible reference price for different faculties and universities.

6. REFERENCES

[1] S Weaver, D., et al. (2005). Evaluation: WebCT and the student experience. Evaluations and Assessment Conference.

[2] Yang Zhigang (2006). Network optimization algorithms in test system [J] Lectures: pp. 91-92

[3] Li Yueru (2009). Algorithmic Online Examination System Design [J]. FuJian computer, 1: pp. 66-67

[4] Li Xueling, Guan Qun. Design and Implementation of Online Examination System Based on PHP technology.

[5] Yin Xiaoling, Xia Qishou, Fan Xunli. Analysis and Study of Volume Pattern in Network Test System. Computer.

Corresponding Author

Pallavi Baske*

TY Student, Diploma in Computer Engineering, Sahakarmaharshi Shankarrao Mohite Patil Institute of Technology and Research, Akluj

www.ignited.in