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Research Article

A REVIEW PAPER ON ONLINE EXAMINATION PORTAL

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ABSTRACT

Online Examination System is a s/w soln, which let any kind of industry or institute to organize, plan & handle examinations on an online basis. This can be done through the Internet / Intranet / Local Area Network, etc. Difficulties tackled during manual examination systems are the moratorium occurred in result preparation, documents poses a problem, filtering of documents isn't easy. The chance of loss of documents are high also record inquiring / matching is difficult and time consuming. Up keeping of the system is also very crucial and invests lot of time and manpower. Online examination is one of the necessary part for online education system. It is dynamic, quick enough and cut down the huge amount of material required in manual examination. An examination system is planted on the web. This system provide the action, counting question executive, paper design and test online. Also the merger of c-s programming and s-s programming approach are worn and considered. This paper indicate the indispensable of the system, also display the imp role of the system, figure out the auto-generating test paper pattern, and check the security of the system.

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INTRODUCTION

Today, Online Examination System is used as a rapidly growing examination rule because of its efficiency, speed and accuracy. It also wantless man power and time to run the examination. Almost every organization and Institute today, are governing their exams by online examination system, since it lower down the student's time in examinations. Organizations / institutes can also easily and steadily seek for the betterment of the student that they give via an examination. As the output of this, the outcome is evaluated in much less time as related. It also assists diminishing the use of paper. Online examination project in PHP is very valuable to learn it. According to today's need Online examination system is undoubtedly crucial to the educational institution to formulate for exams, saving the time and inputs that are necessary to evaluate the exam paper and to form the result. Online examination system assists the educational institutions to look after their students and view their enhancement. The examination cell is in duty of creating the inquiry paper and it would be completely safe. Online Examination scheme give far-off access to studies. It assists the inspector with minimising the work of main exam, correcting answer booklets and generating result. All these work is accomplished by this system. All the data is put away on the server. Understudies having registered in the database will have the potential to take exam. The imp utilization of this system is in schools, Institutes and training points because it helps in

smooth running of the exams and get the performance in easy and an rapid manner. Until today the generation for exams papers and the results are done manually, this takes more time to achieve.

Motivation of the Project

In this type of structure precisely exam is immensely monotonous task for analyst and teacher too. The whole task of taking exam and evaluating their performance after the test was done handly till date. Be that as it may, online examination structure is absolutely electronic framework. This structure goes for minimising expenses incorporated with straight exam over a interval and getting all advancement of examination structure linked jobs like recruitment, giving of results, which swifts a high level of framework performance. In the vigil of recognizing huge amount of reference papers at last we came to a result, that we can develop one examination system that can be given easy to use access to generate for directing exam and inspection of outcomes.

Literature Survey

Many disparate inquiries have kept an eye on the subject of an online examination system these duty can be showed as follow: SIETTE: Guzman and Conejo (2005) gave an online examination system named System of Intelligent Evaluation using Tests for Tele-education (SIETTE). SIETTE is a web-based platform to give rise and develop flexible tests. It can be

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worn for didactic equitable, via connecting modified students self-assessment test papers with clues and reaction. SIETTE help securely load and handy features. On the other side, the other features: resurgence facility, multi-instructions, unplanned question pick-up, unplanned problem throw and unplanned options distribution is lacking. EMS : Rashad Et. Al. (2010) suggested a web-based online examination system called Exam Management System (EMS). EMS operate the examination and auto-evaluation or students exam and support carrying exams, gather the soln, auto mark the submission, and generate the result for the test. EMS enable secure access, multi-instructor, and possibly chars. However, the other chars: revival potential, unplanned query choice, random query sharing, and random options sharing are missing. This project weighs the examiner by this online examination system phenomenon. This exam would be completely optimal. This system will verify reports itself based on students selection. Fagbola et. al.2013 invented a Computer Based Test System (CBTS). CBTS is a web-based online examination system refined to address problems such as loss of timing resilience for candidates log-out upon expiration of permissible time, output integrity, guaaranty, stand-alone formation, necessity for resilience, firmness, planned to assist the examination task and overwhelmed difficulties frame the conduct of examination, auto- selecting, auto- giving , and generating result.

Disadvantages of Current System

- The current processes are very time taking.
- Very hard to evaluate the exam humanly.
- To conduct exam of numerous candidates, less invigilators are needed but results are not accurate as calculation and correction are done.
- The prospect of paper getting out are more in older systems as relatable.
- Result measures took more time as it is done manually.

Chareacterstic of the Proposed System

The online test created for taking online test has following features:-In comparison to the present system the proposed system will be less time consuming and is more efficient.

- Scrutiny will be easy in proposed system as it is automated and advanced.
- Result would be very accurate and updated and will be presented in very precise interval of time because predict and evaluation are done by the pretend or itself.
- This system is very protected as no options of leakage of paper as it is based on the admins only.
- The attendance of appearing candidates and their performance are kept and can be backedup for future use.
- Being a highly coordinated Online examination structure it will decrease paper use to very great extent.
- To allow workforce to give extra time to understudies with differently abled.

Problem Statement

Since the traditional sys have many flaws such as time consumption, difficulties in analysing the test handly, more viewer are needed to conduct exam of almost every student,

reports are not precise as evaluation is done personally, The probability of failing exam's result is higher in current systems, observing of result is time taking as it's done humanly, Limitation of no. of student can be examined at a time. With the advancement of IT and its use in an parallel and precise manner let us overcome the existing flaws in the manual system. Online examination system retrieves the exam info in a DB, and makes it in an reliable way to execute exam. Admins can add exams instructions, and student can manage test in a completely advanced manner.

The Proposed System

Model 1 in JSP Browser/ Server model was an crucial n/w app designing model. It was a exclusive way of Client/Server side model, which uses typical browser as Client-side and Web Server as the Server-side. In Browser/Server model, the main trade thinking of program was appliance on the server side. Such application called Web application, had the merit of better adoptability and easy changes. Our Examination System is designed with JSP, and runs on the c/n. It's called online examination system. JSP had became the most focused technology to design Web applications, becoz it's easy to design and could be achieved rapidly. There are two ways of designing models JSP developing, resp called Model 1 and Model 2. It's easily to comrade with trade logic (jsp:use Bean), the server-side process (jsp:scriptlet) and HTML() in the JSP pages. Therefore, this could be used to plant show, trade logic and process management in a JSP page, which as a result in steady expansion of application. There were huge small-scale Web applications created by aggregate of JSP pages. The JSP-key advancement model was called JSP model 1. Online examination system salvage the exams info in db, mentors can add/ remove queries, set the correctso ln, lay out the exam interval, roster students, delete students, show queries for students randomly, calculate and show the final results for students. The online examination system takes client /server structure. At the user by using a web browser can connect through internet or local host with the server where HP and My SQL in the server side are exposed for the creating exam cases and save and retrieve data from db.

System Activities

Login System

login as admin: By accepting previously stored admin username and pwd the person can log on to the system any time he/ she wishes as an admin to govern the admin functions. Log in is attempted only if the input details are coordinated with the db, otherwise an error msg is shown.

Login as student: The info of every student will be managed by the admin upon the enrollment task, using this way the every student to log on the portal without having to go through the process of enrollment again. Log in is attempted only if the input details are coordinated with the db, otherwise an error msg is shown.

Admin activities

Questions administration

Adding Problems: Consist including three types of problems acc to the admins will either (t/f,m.c.q., image identification or subjective answers also).

Removing problems: Include removing problems of three types of questions (t/f, m.c.q., image identification or subjective answers also).

Students Administration

Enrolling students: Include integrating the info of every student (student's name, email id, and pwd) to complete the enrollment process.

Removing student: By giving the (name and email id) of the student to be removed from the db.

Result management: show all students results.

Student's actions

Student Actions contain the Following tasks

Commit the exam/test

As the student log in, a set of problems will be shown to him to start and commit an exam.

Get the results

After solving all the problems in a limited time interval the student will complete the test/exam & his/her performance will be shown on the monitor.

Database Design

In respect to deeply use MySQL server technique, it is mandatory to make sure that the db is well constructed. The docs name adopted to list all the forms build within the db pursuit to show the form's goal and, hence, add to well-established system. The initial step in constructing was to choose, acc to the specifications and needs of the project, which tabulates & creates, and what kind of info each one should hold.

Summary

JSP Model 1 evolution model was put down to generate online examination system, with the merger of c-s and s-side development technique. There are such actions as problem execution, paper production and test/exam online, which showed better aids for professors to regulate examination and students to learn and understand the course.

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