
Survey on Online Examination System using Django Framework

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Abstract— Online Examination framework is a software solution, which enables a specific organization or foundation to arrange, lead and manage examinations through an online situation. This should be possible through the Internet, and local area Network environments.

A portion of the issue looked by manual examination frameworks is delays in result handling. Documenting represents an issue, sifting of records isn't simple, the shot of loss of records is high and furthermore record looking is troublesome and takes part of time and exertion.

In any case, the most essential issue looked by online examinations is the legitimacy of the understudy who is taking it. For understudy recognizable proof, a fingerprint recognition acknowledgment based identification framework is utilized. fingerprint is viewed as the best and quickest strategy for biometric recognizable proof. They are secure to utilize, one of a kind for each individual and don't change in once lifetime.

Keywords—online examination, Security(keywords)

I. INTRODUCTION

It is a mechanical term in which tests are going up against PCs rather than the conventional paper and pen based test. It will impressively supplant the customary paper and pen based test in future. Online examinations are directed through the web or in a web. It tends to be directed either disconnected or on the web. It is a cutting edge strategy for taking test. Hopeful is given a constrained time to answer the inquiries and after the time expiry the appropriate answer paper is disabled automatically. The inspector will assess answers, either through computerized process or physically and the outcomes will be sent to the applicant through email or made accessible in the site. It has dependent on quantitative methodology and it is as close and open ended questions and furthermore organized and unstructured structure. For example interviews, connected scale, feelings, comments and alternative and so forth.

A. PROJECT OBJECTIVES

Online Examination System – e-Examination is finished start to finish answer for spread all parts of online examination framework.

The basic objective of developing this project is:

- Provides complete site solution with python technology, including part enlistment, giving tests, storing of results. Complete online organization.
- The Administrator likewise can change the Questions and not the officially Available Questions in the Question Bank. Complete electronic framework no establishment required to run the application in customer framework.
- Question must give answer type like different right answer choice and one right answer choice. Test screen must give alternatives likewise.
- System must able to calculate the examination marks and display the result quickly after completing the exam;

- System has incredible logical access the executives set up, every client must be recognized by client email id and secret key confirmation strategy is connected to verify the examination framework.

B. NEED OF PROJECT

To solve these problems they required a computerized system to handle all the works. They required a web based application that will provide a working environment that will be flexible and will provide ease of work and will reduce the time for report generation and other paper works.

II. LITERATURE REVIEW

I. HongmeiNieMath, Physics and Information Engineering College Online examination is the crucial parts among online education. It is efficient and fast enough and reduces the large amount of material resources. Examination system is developed based on web. This paper describes the principle of the designed system, that presents the main functions of the system, analyzes the algorithm of auto-generating test paper, and discusses the security of the system.

II. Nor Shahida btMohd Jamail Abu Bakar Md Sultan Faculty of Computer Science and Technology, Selangor, Malaysia Examination process is important activities for institutions to evaluate student's performance. Thus the quality of the exam questions would determine the quality of the students produced by the institutions, also preparing exam questions is challenges, tedious and time consuming for the instructors. Current technologies help instructors to store the questions banks in computer databases. The issue arise is how the current technologies would also help the instructors to auto generate the different sets of questions from time to time without concern about repetition and duplication from the pass exam while the exam bank growing.

III. With the computer and network technologies widely used, many computer applications based on Internet have been developed. Online examination system is the one which allow students or trainees to do exercise or tests through computer. It not only reduces the workload of teachers, but also achieves the objectivity and impartiality of examination. In the past several years, many examination systems have emerged. An Online Examination System is an Online test simulator is to take Online Examination, test in an effective way and no time wasting for manually checking of the test paper[3] [4]. The main aim of Web based online examination system is to effectively evaluate the student exhaustively through a totally automated system that not only saves lots of time but also gives fast and exact results. For Students they give exam

according to their convenience from any location by using Internet and there is no need of using additional thing, like pen, papers, etc.

III. EXITING SYSTEM OF ONLINE EXAMINATION

We can in future sum up the application from its current modified status wherein different merchants creating and chipping away at comparable applications can use this product and make changes to it as per their business needs.

- Faster handling of data when contrasted with the present framework with high exactness and reliability.
- Automatic and error free report generation according to the predetermined configuration effortlessly.
- Automatic calculation and generation of right and exact Bills in this manner decreasing a great part of the remaining task at hand on the bookkeeping staff and the errors emerging because of manual calculations With a completely mechanized arrangement, lesser staff, better space usage and quiet workplace, the organization will undoubtedly encounter high turnover.

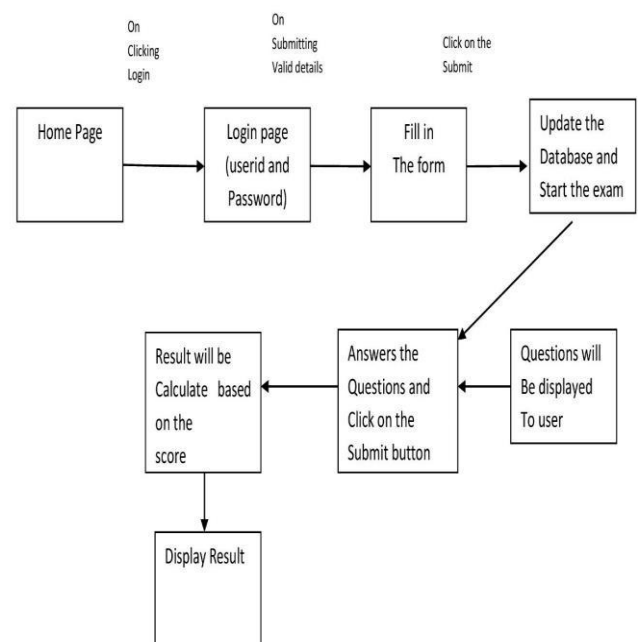


Fig 3.1: - Exiting System

IV. FUNCTIONS OF ONLINE EXAMINATION SYSTEM

1) Question Management

The functions of this module were querying, adding, deleting, and modifying the questions.

2) Paper Generating

The function of this module was randomly generating test paper as per determined necessities. It was the center capacity of online examination framework. The framework randomly removed inquiries from the inquiry database as per three restrictions, including question type, trouble and section to produce a test paper.

3) Test Online

Student user could utilize the function of test online to randomly choose paper or utilize a paper assigned by educator, and login the framework whenever inside the grounds network, individual test on the web, and comprehend learning level.

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VI. CONCLUSION AND FUTURE SCOPE

This web application provides facility to conduct online examination worldwide. It saves time as it allows number of students to give the exam at a time and displays the results as the test gets over, so no need to wait for the result. It is automatically generated by the server. Administrator has to create, modify and delete the test paper and its particular question. User can register, login and give the test with his specific ID, and can see the result as well.

Online Examination System is widely used as compared to other exams, Online examination system can be used in private institutes as well as educational institution. As it is user friendly web base application it can be used anywhere and anytime. Every software may have some cases of bugs, errors, security related problems or system faults. There are many problems or system faults for example; computer collapse or crashes due to power supply problem will invalidate efforts of number of students. There are large numbers of chances in which software may produce wrong

results or may display invalid data. These bugs must be identified and solved for improving quality of software. So in future we can develop more secure software by using advanced technologies.

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