

Online Examination System

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ABSTRACT

The main objective of the paper is to analyze process of design & development of online Examination System to provide better student evolution process. Online examination is one of the crucial parts for online education system. It is efficient, fast enough and reduces the large amount of material resource. An examination system is developed based on the web. Examination System was necessary to separate teaching and testing. The system provided the functions, as well as question management, paper generation and test on-line

Keywords : E-Learning, Security, Functions, Future Scope

I. INTRODUCTION

In education, the idea of E-Learning (Electronic Learning) has mature quickly from distance learning to virtual lecture rooms towards on-line courses and on-line examinations.

Associations are attempting to move from a paper-based atmosphere to a paperless atmosphere. Individuals these days through big and little tests, with check having become frequently faced issue. In addition, the testing system merits at being fair and open. With the increasing of internet applications scope, laptop net-assisted teaching is becoming a spotlight of current academic reform on-line examination system because of its simple to use, time-intensive, forms and alternative options has a lot of attention. On-line test will improve the standards of student's examination whereas within the ancient examination systems pen and paper are used that need a lot of effort on the part of students and instructors. On-line examinations are thought of a very important source for University exams. Moreover the development of network technologies has given the possibility to deliver the exams on-line. There are several advantages for adopting on-line examination system a number of essential, however not exhausted, involve: E-Learning remote exam, Digital evolution, Utilize available resources, Supplementary and useful for disabled people, easy use and archive, Clarity and believability of check and grading, Time saving especially just in case of huge variety of scholars and also the helpful

result of the E-Learning that created students break the barriers of the gap learning and expensive courses. Our online examination application comprises of different modules which efficiently manage the entire online examination process like admin module, student module, content, examination management, examination evolution and security.

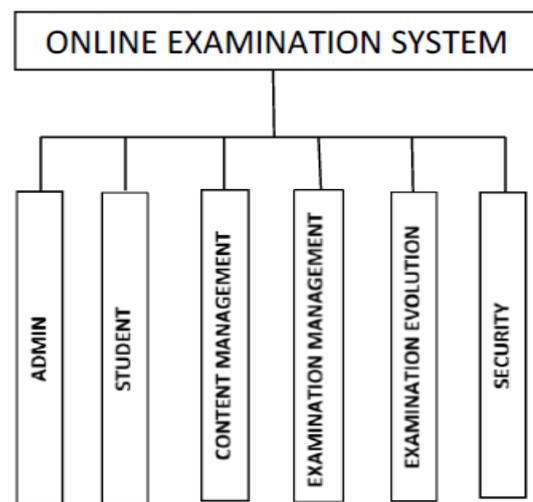


Figure 1: Online Examination System Modules

All of these modules are integrated using the MVC architecture.

MVC Architecture:

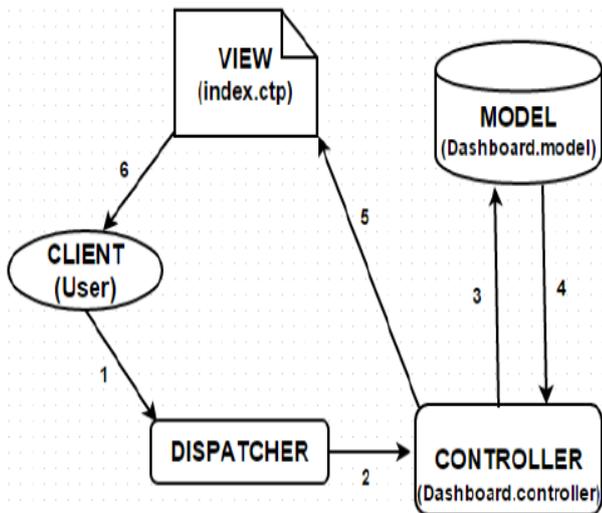


Figure 2: MVC Architecture

Model, View and Controller often known as MVC is the architectural pattern built with an idea to keep the data that is to be presented, separate from the methods that interact with it. The input is taken by the controller through the dispatcher which then passes it to the model for processing and further sends it to the view to display the output. This system facilitates the development of modular systems thus allowing the developers to add, delete and update different functionalities quickly.

Model:

Model has absolutely no knowledge of what happens to the data when it is sent to the view or the controller. It just acts as a bridge, a communicator between the view and the controller without calling or seeking any response from either of them. Its main purpose is to process the data into its permanent storage and prepare it in order to send it to the view or controller. Model never questions anything that is been sent to it for processing however it accepts all requests. Model is the crucial component of the MVC architecture as it connects the controller and the view without which the output wouldn't be produced.

View:

View is the part of the system where the HTML file is generated and displayed. There is no direct relationship between the view and also the Controller while not the Model in between them.

Controller:

The controller interacts with the user accepts requests from it and constantly updates the model about the incoming inputs. Without the inputs from the user the controller cannot perform any function. The controller is connected to only one model and one view thus creating a one way flow of data within the system.

Security:

The Online Examination System is an electronic application. This framework will help the college/Institution to assess the inquiry have completely different with one right reply. The college/Institution will direct the web examination and report the end result in an exceedingly couple time. The examination workplace is in charge of the making the inquiry paper and it would be all secure. On-line Examination framework provides remotely access to understudies. It assists the inspector with reducing the work of leading examination, checking answer sheets and manufacturing result f these work is finished by the machine. All the data is place away on the server. What are additional, customers will get to those databases and provides examination. Here we have a tendency to utilize a client server model. Executive supply access to teacher and understudies. Understudies that have account on the framework can have the capability to convey examination. There are 2 kinds of examination section practice and Real check. Understudies will provide both tests. Right answer is highlighted in diverse shading. Subsequent to submitting test the result are created and examinations is completed on the premise of result and send it to each single understudy.

Functions of Online ExaminationSystem1

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 exam paper according to specified requirements. It was the core operates of on-line examination system. The system at random extracted queries from the question information in accordance with 3 restrictions, together with question kind, issue and chapter to generate and test.

3) Test Online:

Student user may use the operate of check on-line to at random choose a paper or use a paper designated by teacher, and login the system at any time inside the field network, self-test on-line, and understand learning level improve overall productivity of researchers once some little initial investment.

II. FUTURE SCOPE

Scope of this project is extremely wide in terms of different manually examination. this can be used not only in institution however also private institute .It can be used anywhere any time because it internet base application .No limitation that examiner has to be available when the scholar takes the test. on-line examination is need to planning for educational institutes like and private institutes to direct test of their students. There has been variety of cases of laptop glitches, bugs in content. And security threats reported in internet based mostly on-line Examination system. Therefore within the close to future the thus known as software can be build more secure and trustworthy while electronic glitches are uncommon. They need been known to occur For instance when laptop crashes voided the efforts of so many students. There are also cases in which correction software has corrupted score.

III. Conclusion

We believe the online format is considered capably superior to paper-and-pencil exams for our courses. we've come back to the conclusion that the on top of mentioned challenges are often resolved by introducing the subsequent security systems. using life science we overcome the standard method of checking the ID cards of the scholars when they begin the test .Biometrics can determine the scholar as he enters the test hall. The IP address check permits as follows:1-Using on-line signature or displaying student photo2-Using fingerprint 3-We will offer a lot of security to identify the scholars by using on-line cameras that are additional helpful than the standard methodology of checking the ID cards. Since we check the identity before the beginning of the examination, there are some additional security issues relating to the queries and answers that area unit for an extra analysis. this sort of on-line examination system reduces the examination

work. the long run scope of this analysis can be the protection of on-line remote examination systems.

IV. REFERENCES

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