

ExamHub.com

Online Examination System

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Abstract— ExamHub.com is an Online examination system. ExamHub.com is a web-based examination system where examinations are given online through the internet using computer system. The main goal of this online examination system is to effectively evaluate the student thoroughly through a totally automated system that not only reduces the required time but also obtain fast and accurate results. Online Examination System is considered a fast developing examination method because of its accuracy and speed. This ExamHub.com Online Examination System is a software solution, which allows any industry or institute to arrange, conduct and manage examinations via an online environment. Some of the problems faced during manual examination systems are the delays occurred in result processing, filtering of records is difficult. The chance of loss of records is high also record searching is difficult. It is efficient, fast enough and reduces the large amount of material resource. Almost all organizations today, are managing their exams by online examination system, since it reduces student's time in examinations. This paper describes the principle of the system, presents the main functions of the system, analyzes the auto-generating test paper algorithm, and discusses the security of the system.

Keywords—ExamHub; Online Examination Website in JAVA; Admin; Student .

I. INTRODUCTION

Existing system is manual which requires a lot of paper work and it requires a lot of time for processing. This system has to prepare registration\application form, question paper for the students and required to print a lot of number manually. Answer papers of the students should be checked manually; requires more time and mistakes may be happened. To calculate how many students registered, and verification of details of these students in a month by hand is very difficult. The limitation of existing system is that it is not all personalized. It cannot be used for personal and quick reference.

To overcome this problem computerized system is developed which can able to reduce number of problem and limitations which are arise in this system with the help of computer. It can possible to access any information fast. There is not possibility of loss or mismatch any records. The accurate information is accessible with the help of computer.

II. PROPOSED SYSTEM

Proposed system is the automation of existing procedure. Fast retrieval and data accuracy will be the major benefits of the system. Also errors can be minimized. Password protection facility is also

incorporated to protect the system from unauthorized access to data.

The modern computerized system is developed with the aim to overcome the drawbacks of existing system. The proposed system has got many advantages. The new system is more personalized. It is made in a quick and easy referential manner. The advantages of proposed system are that security is maintained in the new system. The questions for the exams will prepare by the administrator and the answers will be published immediately after completing the exam.

The objective of the project “ExamHub.com” is to make evaluation and conduction of examination massive but simple, cost effective and faster. . The online objective exam system is an online test system that allows Students to take online tests and automatically generates results based on answers marked by Students. The system is to be used for various online tests conducted by schools colleges and other institutions. The system is an online application that can be used to take tests online and get instant results.

The objectives of the systems are:

- To provide an interface through which student can appear for online examination.
- To provide registration for students done by themselves.
- To not provide facility of copy and paste while attempting the Subjective questions on the web page.
- When the student starts the exam the timer will start automatically and show the student how much time is left.
- The questions will be display randomly from question bank.
- To provided Student name and password facility and credentials should be checked properly at the time of login for student.
- The authority to modify the criteria is provided to the controller of examination.

- To allow admin to create tests and answer key.
- To facilitate exam department admin to make schedule and declare result.

III. SYSTEM ARCHITECTURE

The system architecture of ExamHiub.com Online Examination system using web based application is shown figure (1). The architecture includes the three main areas of Project: The Student Computer, the web sand the database server. Conceptually this system is built using following components:

- The Student Computer contains the web browser (Google Chrome) that helpful for open the web pages on browser.
- The Web Server consist the middle tier components such as Java Servlet as well as web server like apache tomcat. It works as connecting to client computer.
- The Database Server is helpful for storing a large amount of data in database with high protection using JDBC technology.

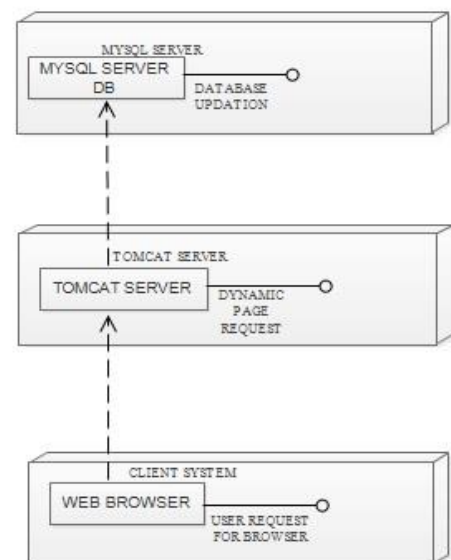


Fig.1: Deployment Diagram

IV. SYSTEM SPECIFICATION

ExamHub.com the online examination system is a web based application which is useful all over the educational and corporate sector. This online examination system includes the architectural components as Browser-Server architecture, Client-Server Architecture, Auto Question Generator System, Security, Randomization. The main objective of this online exam system is to reduce the work of conducting the exam.

This system provides an individual username and password to login. In this System, there are two main modules Admin Module, Student Module.

1. Admin Module:-

- Login
- Dashboard
- Manage Exam Category
- Manage Exam SubCategory
- Manage Section
- Manage Questions
- Manage Test
- Results
- Reports

2. Student Module

- Login
- View Blog
- View Upcoming Exams
- View Scope & Importance
- View Success Stories
- View Placements
- View Rules & Regulations
- View Interview Preparation
- View Interview Questions
- Attempt Practice Test
- Attempt Final Test
- View About us
- View Contact us

V. SYSTEM TECHNOLOGY

The technologies which are used to implement the system are:

- In Java, JSP and Servlet are useful for developing website.
- MySQL is a light weight Database access from the Java.
- IDE-Eclipse Oxygen version.
- Web Server-Apache Tomcat 8.0.
- Web Browser-Google Chrome

VI. CONCLUSION

ExamHub.com is a user friendly system, which is very easy and convenient to use. The system is complete in the sense that it is operational and it is tested by entering data and getting the reports in proper order. But there is always a scope for improvement and enhancement. During the development of this, coding standards are followed for easy maintainability and extensibility. The “ExamHub.com” has been successfully completed. The goal of system is achieved and problems are solved as well as final reports are generated.

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