



Online Exam Portal

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ABSTRACT-The Online Examination Portal (OEP) is a computer-based electronic assessment platform that allows tests to be administered online via the internet or intranet. The primary goal of the online test device is to accurately and quickly assess pupils using a computerised tool that saves time while producing accurate results. Contemporary technological advancements have maintained the feasibility of online assessments and have extended their life cycle over time. Nonetheless, a lot of institutions in developing nations, especially those in stronger institutional organisations, use standardised written test devices. The framework for online assessments enhances the process of administering exams and persuasively preparing the results. This piece discusses electronic internet. The online exam system for management introduction is a tool created with both instructors and students in mind. Students can take exams online with the assistance of this method. Adding the questions and answers to the database allows professors to view which students pass or fail the test, which is also helpful. The Java programming language and database are used in the development of the app. There are two types of users in the software: lecturers and students. We can register as users. In order to access the system, both users must first register. Once registered, they must log in with their username and password. The online assessment platform for management education is made up of various elements, such as the ability to log in and insert.

1. Problem Statement -

This project is a software developed to conduct an Online

Quiz based on time constraints. Portal is accessed by entering the username and password which is added to the database. Before the start of the Quiz, the rules and regulations are displayed which includes description of time limit, number of questions to be answered and scoring methods. Quiz starts by displaying questions with four options each based on categories chosen, like General Knowledge, Verbal Reasoning and Computer Science. If the time exceeds the given time or the user enters the submit button, then the quiz will be ended. Final score will be displayed and updated in the database with username.

2. Objective and Scope

i It will simplify the task of users to test their knowledge and reduce the paperwork.

It is also helpful for educational institutes to conduct exam for students in a mode which is asynchronous mode.

ii The result can be displayed after completion of the exam in the form of dashboard.

This project is aimed at developing an online examination system for introduction to management for students and lecturers. The purpose of the system is to completely automate the old manual procedure of conducting exam to a computerized System. I

will provide a more efficient examination system. The system will allow students to register and take the exam. It enables also lecturers to perform many tasks. The system has several functions. The users will do the registration before using the system. The lecturers can upload questions and answers; he can view the list of all students who take

the exam. He can view the list of students who have grade A, grade B, grade C, grade D and those who fail the exam. The lecturers can send emails. Once logging, the students can choose the subject and take the exam. After finishing using the software, the users have a logout function that allows them to sign out. This is because the system wants to ensure no external users can exploit the system.

The Following points are most valuable.

- Conduct Exam effortless. It reduces exam anxiety among test takers.
- Promote social interaction between the test taker and experts.
- Prevents cheating.
- Safe and secure data.
- Can get result instantly.

I. LITERATURE REVIEW

Information Engineering, Mathematics, and Physics College in Hongmei Nie One of the most important aspects of online education is the examination component. It uses a limited quantity of material resources and is effective and quick enough. The web is the basis for the development of the exam system. Furthermore, Faculty of Computer Science and Technology, Selangor, Malaysia; Shahida bt Mohd Jamail Abu Bakar Md Sultan in order for institutions to assess students' performance, the examination procedure is crucial. Since creating exam questions is difficult, time-consuming, and requires a lot of effort on the part of the instructors, the quality of the exam questions would consequently affect the quality of the students that the institutions produce. The banks of questions are stored in computer databases by teachers with the assistance of modern technology. The question that emerges is how the available technologies could assist the teachers in automatically producing.

II. PROPOSED SYSTEM

Everything is available online through this gateway for online exams. Exam features are all available online. Online exams are administered using this application. Students only need to visit the online exam portal, enter their credentials to log in, and take the exam according to the scheduled time, from anywhere in the world. Students will get a question and have the option to respond online. Following the test, responses will be reviewed and rectified, and a result will be generated right away and stored in a database. With the use of this online application, administrators can invite or add instructors, introduce new examinations, and register students for exams. Additionally, this tool allows instructors to add new subjects, alter exam questions for specific exams, and correct exams based on those modified questions.

III. SYSTEM DESIGN

This Chapter explains the design aspect of the E-Pariksha Online portal with a UML diagram also DFD for the implementation of the project along with the complex architecture of the system.

1. DESIGN

Here it deals with the designing phase of the Software development life cycle (SDLC) under we will discuss about the different diagrams like DFD, Use Case diagram, Entity Relationship Diagram, and architecture of the system.

2. DECOMPOSITION DIAGRAM

A decomposition diagram depicts the breakdown of a complicated entity, such as a process, organization, data topic area, or other sorts of object, into lower-level, more specific components. Division diagrams, for example, can depict organizational structure or the decomposition of functions into processes. As of now, the quiz maker response has also been given to Admin.

Function of Decomposition diagram Functional decomposition breaks down a large, complex process into an array of smaller, simpler units or

tasks, fostering a better understanding of the overall process.

A functional decomposition diagram contains the whole function or project along with all of the necessary sub-tasks needed to complete it.

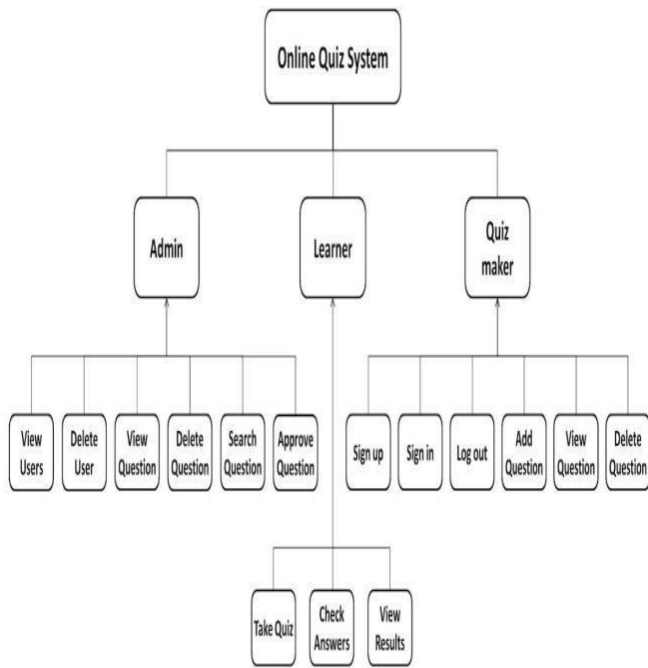


Figure 1: Decomposition diagram

3. FLOW DIAGRAM

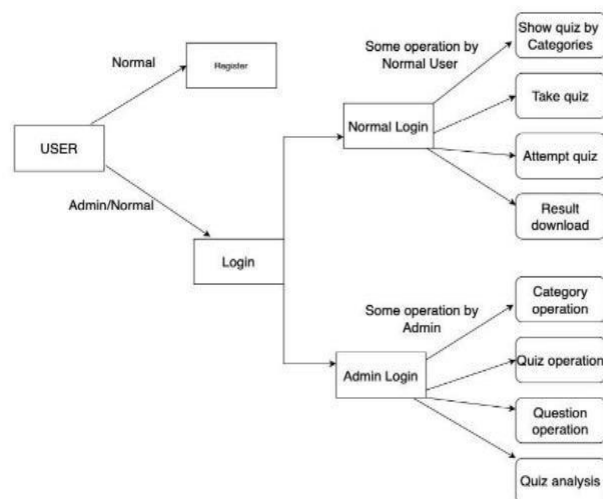


Figure 2. Flow Chart Diagram

A flow diagram is a visual representation of data flowing through a system or a process. The FD also includes information on each entity's outputs and inputs, as well as the process itself.

There is no control flow, no decision rules, and no loops in a data-flow diagram.

IV. CONCLUSION

The modern exam system is the online exam portal. Programming in an open-source language is more time-consuming but offers greater flexibility. Many institutions, schools, and businesses can readily use this online exam portal. There are three primary subsystems that make up this system: admin, teacher, and student. The administrator's role is to oversee system security and flexibility while serving as the system's supreme admin. This online application offers a simple method for exporting exam results in multiple formats and storing student data in a database. Because it offers both audio and webcam recording during exams, it offers superior security. Future maintainability and the ability to handle it independently make this system simple and adaptable.

V. FUTURE ENHANCEMENT

As a web-based web application, the system's scope is very broad, and it may be used anywhere. This approach is applicable to online exam administration for a variety of institutes. Though they are rare in any system, there are certain problems and malfunctions in this one. Security flaws can occur in web-based applications. In light of this, future software applications utilising this technology may improve client security and trust. Additionally, there are instances in which test results might not be accurate because of bugs that could be fixed.

VI. REFERENCE

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