ONLINE EXAMINATION SYSTEM

KOLLI.LAKSHMI[1], GOKANAKONDA.VIJAYALAKSHMI[2], GARLAPATI.HEMA[3], ANCHIPAKA.RUPA SRI[4],

K.SWARUPA RANI[5]

[1,2,3,4]Student, Department of IT, Prasad V Potluri Siddhartha Institute of Technology, Vijayawada, A.P., India.

[5]Assistant professor, Department of IT, Prasad V Potluri Siddhartha Institute of Technology, Vijayawada, A.P., India.

ABSTRACT

Online examination system 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. Online examination system consists of facilities to examine the skills of candidates, those who are coming to join the institution/company. The examination consists of various levels. The complexity of questions increases from one level to its higher level. Candidates get only one chance to attend questions in all levels except in first level.

In the first level there will be a maximum of two questions. If the answer to both questions is false, then the candidate cannot proceed to the next level. The total score of candidates will be displayed at the end of examination and certificates will be issued to candidates. This system is found to be efficient to check the candidate skills deeply with minimum effort and time. But there is always a scope for improvement and enhancement. During the development of this, coding standards are followed for easy maintainability and extensibility.

INTRODUCTION

Before creating an online test, questions are needed to prepare first. And an examination system that can help us manage the exam questions. For example, classification management according to the subject and grade. The management of the question bank is convenient. When students have a wide distribution of grades, the number of questions is also relatively large, importing questions one by one is too tedious. If the questions can be imported in a batch, a lot of time can be saved.

- Exam creating:

The examination organization steps should be simple. At the same time pay attention to the examination forming pattern, if it is to support fixed examination questions and random questions, if it can meet the daily test and formal test.

- Anti-Cheating:

    The anti-cheating function of online exams is important for the education industry. For example, screen occupying, preventing screen switching, face recognition. Online Exam Maker has the professional anti-cheating system. Many anti-cheating features are available for reference. such as real-time proctoring, time limit and Intelligent anti – cheating.

- Candidate management:

    Candidate information can be imported in batches and managed according to grade by categories. The result analysis and integral can be checked in the system background.

- Exam data management:

    All of our test papers have independent test record details,

which can be seen at a glance and can be exported for use without manual statistics. The background of the administrator can view the test data analysis, pass rate, wrong questions, score section analysis and other data, and do not need manual statistics, the system will automatically generate.

EXISTING SYSTEM:

The existing system is a manual system which consists of different sub modules. Candidate details, Qualifications, Examination, performance. Report module consists of different modules: Candidate registration, Examination and result .The "visual" part in Visual Basic refers to the method used to create the graphical user interface. Instead of writing so many lines of codes for each and every application and controls, it offers some application and control, it offers some pre-built objects into place on screen. Data access features allow you to create database front–end applications and scalable server-side components for most popular database formats, including Microsoft SQL server and other enterprise level databases. Internet capabilities make it easy to provide access to documents and applications across the internet from within your application or to create internet server applications.

Every table must have a column or a combination of columns that uniquely identifies each row in the table. At any given time, no two rows of a table can contain the same value in that column or column combination. Another important property of relation is that tuples are unordered. A row cannot be identified by its position in the table. An attribute always, referenced by its name and never by its number. At every row-column intersection of a table there always exists precisely one value.This can also be stated as "there are no repeating groups". A relation that satisfies this condition is said to be normalized.
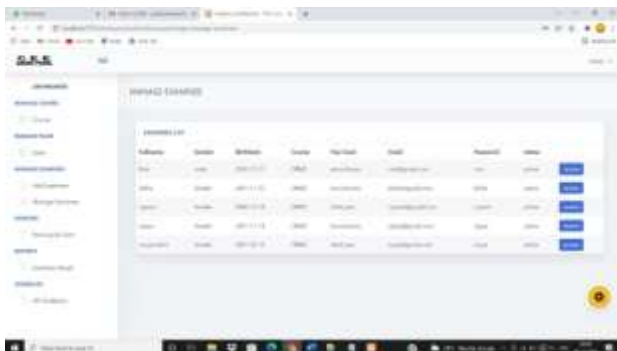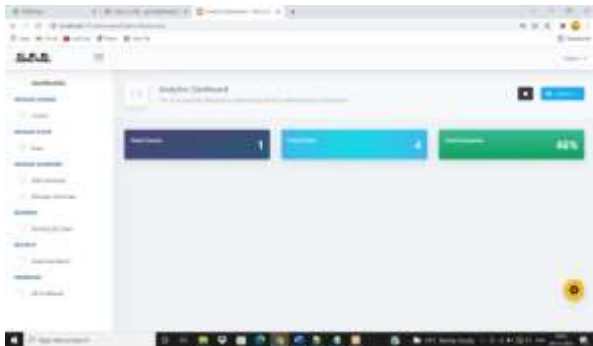
Indexes that create rapid access to tables in a database. The database maintains a binary value called a ROWID that uniquely represents the location of each row of data in the database. ROWID is the fastest way to retrieve a row in the database system. An index contains two entries for each row in a table. First entry is a key value and the second is the corresponding ROWID. In your application you will often need to generate a series of unique numbers such as candidate ID numbers.

Sequences are stored in the data dictionary and managed by the database.

So that the application requesting a sequence number at the same time will be given correct values. The number of views based on data dictionary tables. The proposed system is a fully automated version of the existing system. Each and every term from registration of candidates to certificates, should be done automatically, without having any delay with accurate information. The system should be user friendly and must be secure in terms of keeping all types of information. The system was verified. The form was checked out and the errors were corrected. The hidden bugs were also removed. The form candidate registration consists of the fields name, register number, address, date of examination and qualification.

Data validations are applied in these fields also. These settings are checked and verified. The form examination consists of fields name, register number, topic, questions, level and answers. Data validations are also applied here. The form score consists of fields like name, topic, level and result. All these settings are created by applying some conditions.

SAMPLE SCREENS

CONCLUSION

Today, we are at the age of modernization, and we should prepare for the changes that will occur in the next few years. A change in how exams are conducted may seem shocking and gruelling, but it can be possible with the right approach.

Having the right approach to online examinations is very important, especially since a test score may dictate a considerable part of a person's life. Therefore, making sure that an online examination system is secure, relevant, accessible, and fair is of the utmost importance. This new form of testing may seem intimidating, but change is always confusing and sometimes scary. It's all in how we carry ourselves despite the confusion.

FUTURE SCOPE FOR FURTHER DEVELOPMENT

As time passes, new machines can continue to transition into different sectors and industries. Among these is the educational system that has begun to increase in popularity.

The global pandemic has forced many universities to transition the existing system online. Anything from enrolling, school lectures, and graduation ceremonies, many institutes have to use online systems.

Online learning may not be ideal and is the topic of many heated debates. However, one thing is for sure, the option is there, and it might be the only option available.

If universities were to go strictly virtual, then many things need to be fixed. As of now, one of the biggest concerns when it comes to online learning is online examination systems.

REFERENCES

[1] https://www.academia.edu/7420194/Software_Requirements_Specification_for_Online_Examination_System_Software_Requirements_Specification_for_Online_Examination_Syste m

[2] http://www.ijims.com

[3] www.googlescholar.com

[4] www.wikipedia.com

[5]https://blog.thinkexam.com/introduction-online-examination-system-how-does-it-work-its-pros-cons/

[6] https://www.phptpoint.com/projects/online-examination/

[7] https://www.researchgate.net/publication/317306939_Online_Examination_System

[8] https://www.learningspiral.co.in/online-examination-system/

[9] https://www.irjet.net/archives/V3/i1/IRJET-V3I119.pdf