QUIZEE

Introduction

Examinations are a good way to test the skills and knowledge of individuals, and this system can be adopted by almost everyone who wishes to test their knowledge and skills. Exams are conducted almost every day around the world. Question papers for examinations are generally set by lecturers belonging to that subject or by people who have good knowledge in that field. For setting question papers, we propose a system, which will generate the question paper, which will hugely reduce the manual efforts of institutions. This system can be adopted by almost every institute which wishes to conduct examinations. This system could decrease the burden of gathering question banks and choosing the questions to set question papers.

Objectives

- To provide an interface for preparing a Crowd Sourcing model where questions are set by a large number of anonymous stakeholders thereby creating a large question bank.
- To create a question bank of 5000 objective questions.
- To create an automated system to set actual question paper.
- To provide an interface for experts to check the questions crowdsourced before freezing them in the question bank.

Methodology

The program will work as a question bank which will store different types of questions, filtering them according to the different topics for the convenience of the users.

Materials and Methods

We have used HTML, CSS, Javascript and Bootstrap to develop the frontend of the website and we used ejs template engine,express and Node Js,MySQL for the Backend of the website.

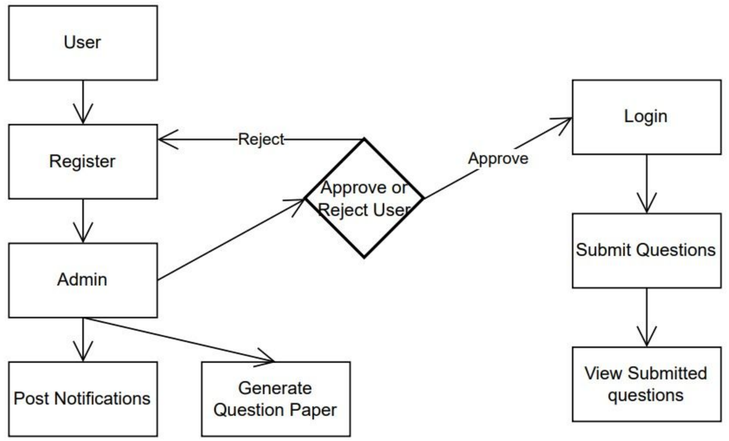

Figure 1: Dataflow diagram

Result

This system aids in decreasing cost, time and effort required to gather questions and generate question papers.
In addition, it ensures that questions in question bank is authentic and generate question paper avoiding security problems.

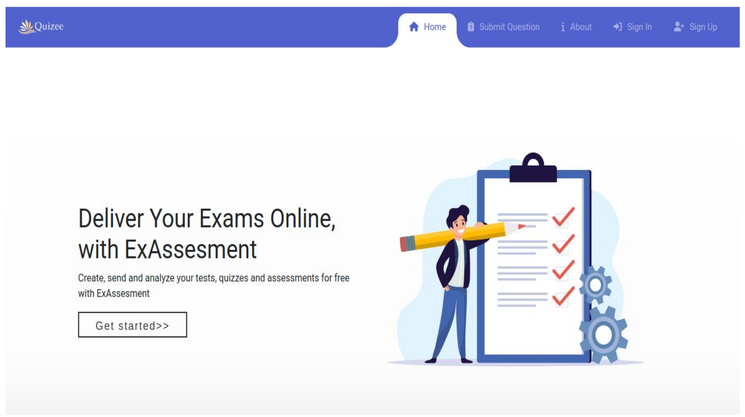

Figure 2: Frontend Login Page

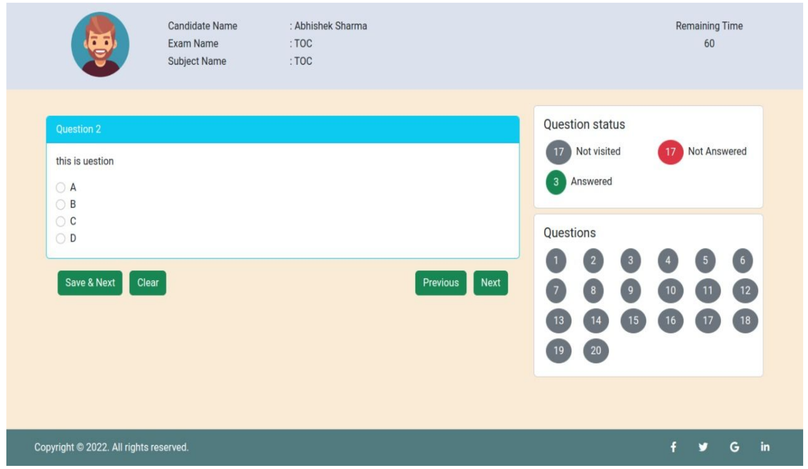

Figure 3: Frontend Quiz Page

Abstract

This system is designed for actual implementation of online examinations and question banks in universities and schools. The system should support concurrent access by a pool of lecturers as well as students. The useful information from this system will be the results from the examination, which can be used in assessment and projections of student performance.

Survey of existing system

The current system of creating an online objective question paper is completely dependent on teachers/prof. Institutes or Universities rarely use them because of their complexities. So they are forced to stick to the traditional methods of setting the question paper. Teachers create a question bank and questions are selected from these question banks to prepare the final question paper for students.
Examples of existing systems include

- degree.rgpvexam.com
- sanfoundary.com,
- examveda.com

Conclusion

We present crowdsourced methods using lightweight ML techniques to build an accurate MCQ Answering system. The accuracy of our MCQ Answering methods is promising. This system aids in decreasing the cost, time and effort required to gather questions and generates question papers. In addition, it ensures that the source of questions in the question bank is authentic and generates question paper avoiding security problems. In addition, we plan to implement the same system for online-based exams as well.

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