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Web Based Online Examination System

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ABSTRACT: Quiz System is a web-based examination system where quiz is taken online i.e. through the internet or intranet using computer system. The purpose of Quiz System is to take Semester Quizzes in an efficient manner and no time wasting for checking the paper. The main objective of Quiz System is to efficiently evaluate the candidate through a fully automated system that not only saves lot of time but also gives fast results. Teachers can administer quizzes using the Quiz System. The system will show result after the examination is finished. A teacher has control in the question bank and is supposed to make schedule for the quiz. The system carries out the examination and auto-grading for multiple choice questions which is fed into the system. Administrative control of the whole system is provided.

The main objective of the project on MCQ Quiz Applications is to manage the details of Students, Examinations, Marks, Courses, Papers. It manages all the information about Students, Results, Papers, Students. The project is totally built at administrative end and thus only the administrator is guaranteed the access. The purpose of the project is to build an application program to reduce the manual work for Marks, Courses, Papers.

KEYWORDS: Web, Online Examination, Online Quiz.

I. INTRODUCTION

The 'Web Based Online Examination System' project will be developed to overcome the time consuming problem of manual system. Apart from that in current system, checking the answer sheets after taking test, waste the examiners time, so this application will check the correct answer and save the examiner time and carry the examination in an effective manner. The users which are use this system don't need to high computing knowledge and also system will inform them while entering invalid data. In this system it will required less labour force for execute system and it will be more accurate and less time consuming and at the same time we can conduct more person exam at the same time and it will publish result in a very short time. Below you can find benefits of Online Examination System. If this system has been implemented then examination will not limited in to four wall of class room, but student can part into exam from any place.

The aim of this project is to computerized the existing manual system and help the examiners to save their valuable time and important data. Apart from this, data which are exist in this system, will exist for long period of time and will be easy accessible. This project helps the examiners to manage their services in a good way and provide a better service to their users.

The objective of this project is to manage the details of students, examinations, marks, courses and papers in a good manner. The performance of the application will be fully control by administrator and administrator can guaranty any one to access. The project will reduce the manual process in managing examinations and all issues regarding that.



To design and implement this project we plan that the project support to different types of users apart from its administrative part. When project is run for the first time it allowed the user to select as who he/she wants to login in the system. Project support login as teacher and login as student. If a user who is student, try to login as teacher system will not allow him and vice versa. User who add as teacher in system will be able to punch test and questions to system and also will be able to observe the result of the student which attempt tests. User who login to system as student will be able to select a particular test and attempt questions depend on this test. After attempting the test and submitting that user will receive a message that you have attempt the test successfully and if the user tries to attempt the same test, system will not allow him/her. Also a user which login to system as student will be not able to observe the result of test he/she attempt.

II. RELATED WORK

In the world of internet, all task has been done through internet, so we have decide why Exam has not conducted through internet. For convert current exam system into digital exam system, we have built this small Online Exam system project. If this system has built in professional level then it will automate our existing examination system into digitize exam system. The examination plays an important role in social life, which is an important means of evaluating the ability of people. The traditional way of examination with paper has occupied faculty much time and energy [1]. Especially in the remote network teaching, this way did more and more not adapt to the demand of education Informa ionization and modernization. Online examination from the original examination computer aided to online examination based on C/S, until current online examination based on Web, its technology and practical application are also constantly developing. And the remote education will play a significant role in the field of education in the future, which also promotes the further development of the online examination system technology with broad prospects.

III. METHODOLOGY

I. THE USER REQUIREMENT ANALYSIS

The system's overall goal was concluded by analyzing the target audience of the system, which was partitioned function module at the perspective of users, and then it built the model of system structure.

A. The Institute role analysis

The system users include administrators, examinees and teachers. The system sets different permissions and operation interface for users with different roles; the users enter into the different interface, and have different operation according to different permissions [2]. The different roles users of system are shown in figure 1. System's ultimate goal is providing online examination service for examinees; therefore, the examinee is the core of the system. After examinees enter into the system through the correct login information, their own information could be viewed and the password could be modified. The examinee can view the test information, which includes exam subjects, exam time, whether it can take the exam, etc. When the start time of the test has not started, the system will remind that the exam has not started; when the exam could be conducted, the examinee can start test by selecting subjects click "into the test"; Question answer is submitted papers at the end of the test, then the examinee check exam results after the marking. In order to grasp the related learning resources of the system timely, the examinee also can download resources. The specific function is shown in figure 2.

In order to ensure the correctness of the information, the teacher can view personal information and change the password after login system, and then arranges the relevant examination. Teachers download the correct paper template in the system, then edit and upload the examination paper. In order to ensure that the test is normal, teachers need to choose the right subjects, start time, test time and other information; When examinees take the test, then teachers can check the answer of all students taking exams after submittal, and marking, give corresponding score by looking at the examinee answers. The specific function is shown in figure 3. That is to say, teacher can add, modify, and delete target users after entering into system, which could make sure that the examinees and teachers can login system accurately with the corresponding role and related operation. Additionally, administrator can also manage the examination and resources, achieve uploading file and announcement, which is convenient to share resource [3].



B. The Student role analysis

Student can get their forget password details. Student can login to the system by entering username and password. The username and password is saved at students details. Student can view Online Examination time table after login into their account under this system. Student can view all subject time table like date and time of Online exam of particular subject. Student can take participate in online exam, once exam has been started. So once online exam has been started, firstly the rules regarding exams will display, then one button will appear on particular subject, which exam has been start. So student has to click on that button, and take part in online examination of particular subject. As per the question the student can see the no. of buttons on the system whether the answer is submitted or not, or which questions are reviewed. Once Online Exam result has been published, then student can view their Online exam result at their login area. Student can give exams within a specified time-period. . The specific function is shown in figure 2.

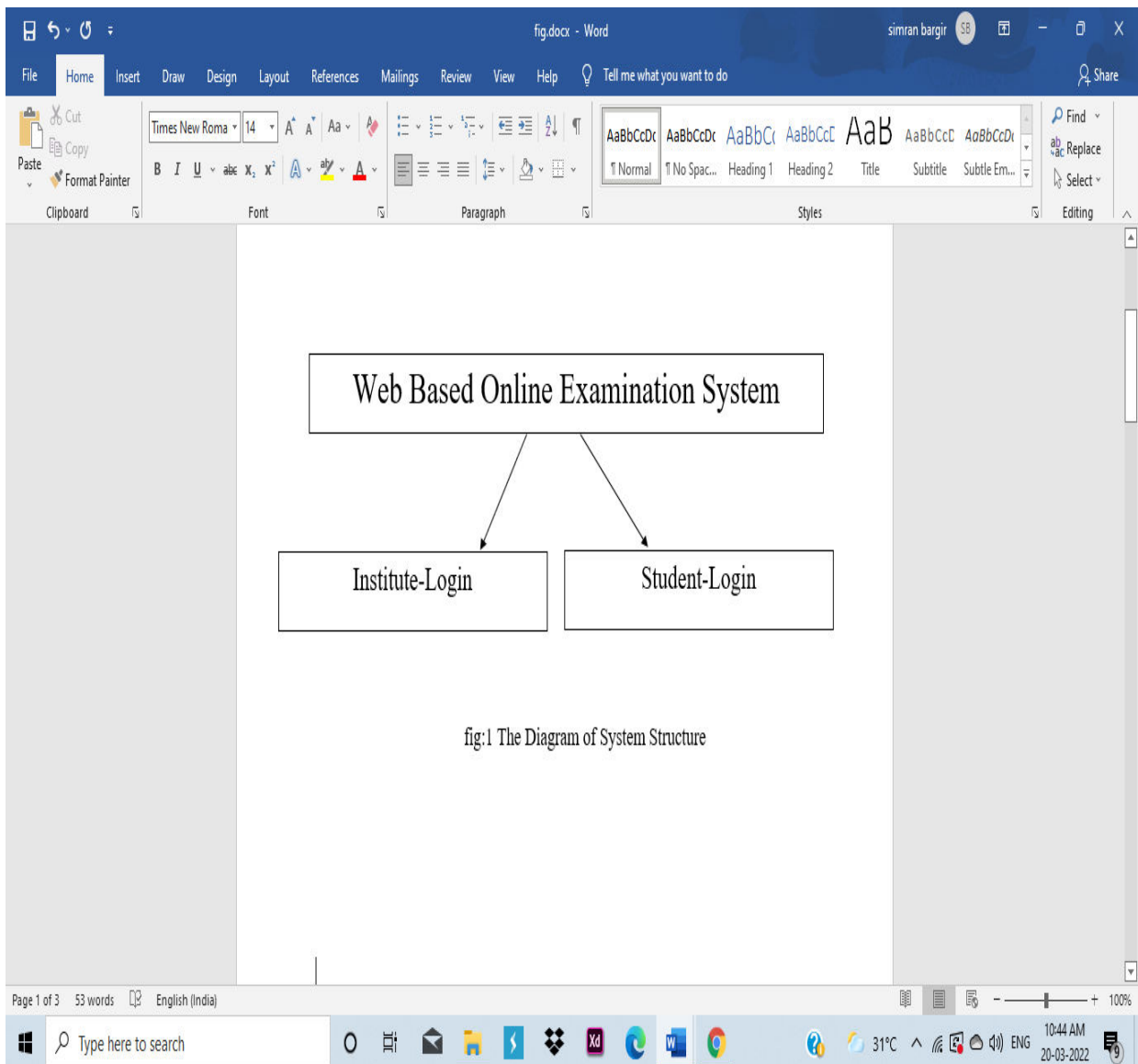


Figure 1. The diagram of System Structure

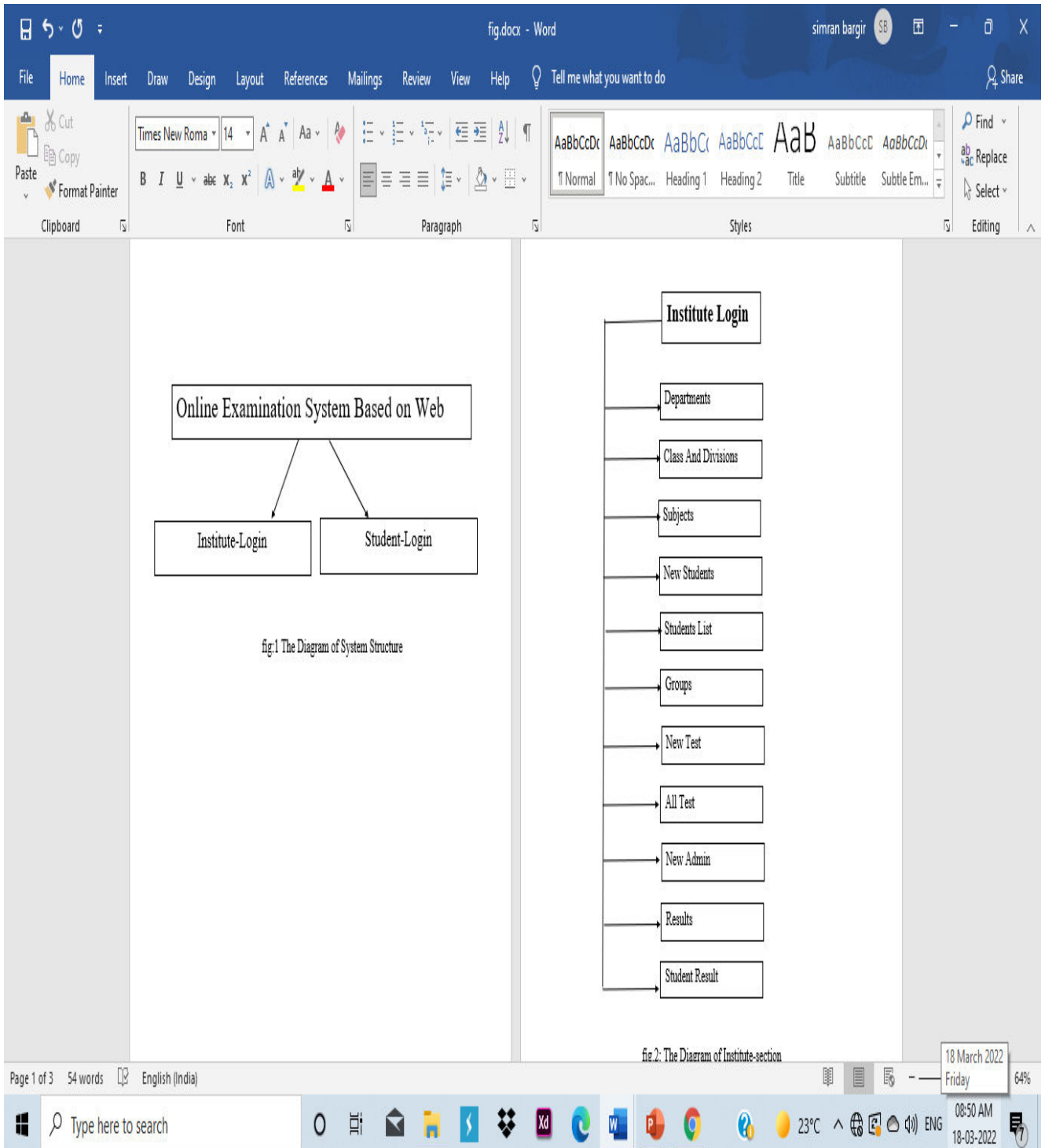


Figure 2. The diagram of Institute Users

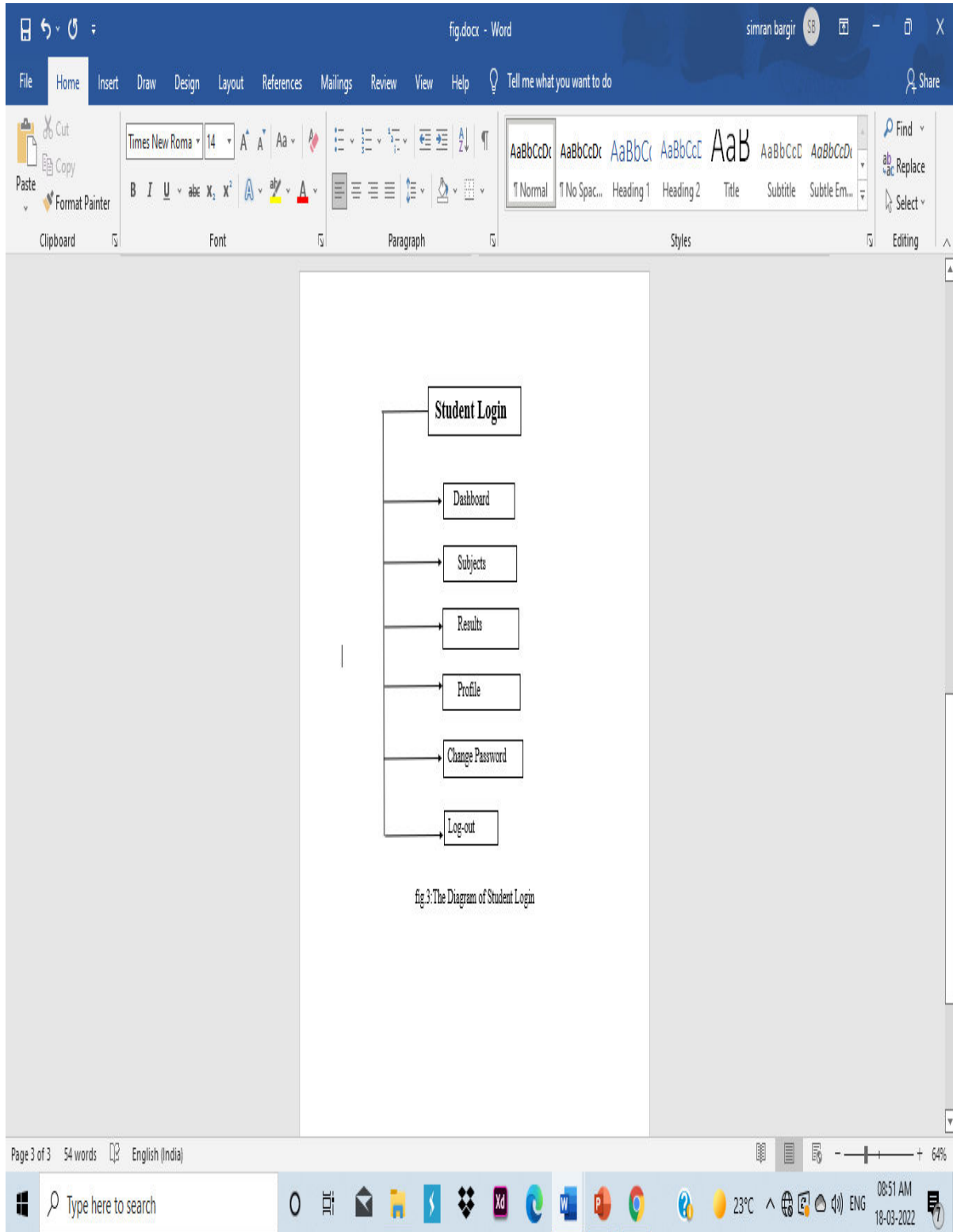


Figure 3. The diagram of Student Users



IV. CONCLUSION

A large number of participants, with instant results of online quiz for the examiner as well as the students, a better overview, you're able to randomize your questions and set a timer. That all without the need of an instructor. The Online examination system is based on Web, which realizes the user login, the examinee take online examination, automatic marking and teacher reviews online and so on. The system is relatively simple to operate, and has a good interface. But due to the limited time reasons, the system is added the completion and the realization of the automatic grading of short questions function remains to be further improved.

REFERENCES

1. K. Umeda, T. Yasuda, S. Yokoi, "An Online Quiz System Using XML-based Multimedia Resources" , Proc. of ICCE/SchoolNet 2001, Vol1. pp481-488.
2. Zhang Yong-sheng, Feng Xiu-mei, Bao Ai-qin, "The Research and Design of Online Examination System", 978-1-4673-8302-8/15 \$31.00 © 2015 IEEE DOI 10.1109/ITME.2015.96.
3. V. Mutiawani, N. Amrin, K. Saputra and D. H. Yunardi, "Developing a Desktop-based Offline Quiz Application," 2020 IEEE Conference on e-Learning, e-Management and e-Services (IC3e), 2020, pp. 98-103, doi: 10.1109/IC3e50159.2020.9288376.
4. 2. Students Guide: Online Android Quiz Application Adarrsh Paul, U.G. Scholar, Computer Science & Engineering, Vol-3 Issue-5 2017 IJARIE-ISSN(O)-2395-4396.
5. 3. Vaibhavi Balaji Kunale, et. al. International Journal of Engineering Research and Applications www.ijera.com ISSN: 2248-9622, Vol. 11, Issue 6, (Series-II) June 2021, pp. 39-41



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