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Automatic Question Paper Generating System for Satisfying Course Objective

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Abstract: ***Education has become an important part of our day to day life. Hence examinations play most important role in testing students' performance and eligibility. And that is why it is important to have a smart development question model for growth of student as well as to test their learning skill thereby keeping a check of student's performance. In traditional method, where teachers manually prepare question paper. It is very difficult and challenging. Hence, we present the solution in form of automatic question paper generator system which makes use of fuzzy [9.1] [9.7] and apriori algorithm [9.9]. This project developed in ASP.Net.This system can be implemented in college level to create an easy process question paper development model. There by covering the syllabus and in length and easy process that save time and efforts. However by keeping the final year project in mind the project suggested here can be implemented for setting question for UTs. The system is based on three tier .***

KEYWORDS: AUTOMATIC QUESTION PAPER GENERATION, TO TEST LEARNING SKILL OF STUDENT, RANDOM QUESTION GENERATION, ASP.NET.

I. INTRODUCTION

Automatic Question Paper Generating System is web based application, this prposed system will enable college authorities to automatically generate question papers out of existing question bank in the database. The system will have capability to process different unique sets of papers very automatically. It takes over the entire tedious task and does the manual, laborious work swiftly and efficiently. Hod can arrange the question bank according to subject, class, section and weightage. The paper generator is the one& only software for setting examination question paper. The software performs all tasks related to paper setting, starting from preparing question bank to printing paper. Software is very useful for small medium and large scale institutes. The software will help the college to generate question papers in a very short time period thus saving a lot of their precious time. The authorities have the flexibility to generate class tests, unit tests, terminal tests, and final tests. The question paper based on its pattern its consist of question no, question, marks for question, and module. The question must be random and unique.The aim of our project is to develop a wearable device that will improve walking experience on roads alone for visually defective persons. This will assist the blind persons during the walk or standing at certain location then system will provide an alert via audible messages if any object is detected within the set range.

II. LITERATURE REVIEW

A. Fenil Kiran Gangar, Hital Gopal Gori,, Ashwini Dalvi "Automatic Question Paper Generator System" [9.11]in this paper they use randomization algorithm in an Automatic Question paper Generator System which has been implemented specially for autonomous institutes. bthis system saves the time and human efforts.

B. Kapil Naik, Shreya's Sule, Shruti Jadhav and Surya Pandel."Automated Question Paper Generation System using Randomization Algorithm"[9.4] Thus with the help of this paper they present the solution in form of Automatic Question Paper Generator System (QGS) which makes use of shuffling algorithm as a randomization technique. The design process performs the scrutiny and composes the examination paper using an efficient algorithm with a high rate of success. With this algorithm, the user needs to specify the subject, the question type and the difficulty level. The system shows characteristics like simple operation, a great interface, good usability, immense security, and high stability along with reliability.

C. Mojitha Mohandas, Aishwarya Chavan, Rasika Manjarekar, Divya Karekar , "Automated Question Paper Generator System" [9.1]with the help of this technical paper they present the solution in form of Automated Question Paper Generator System which makes use of Fuzzy algorithm for question paper genration. It is made to allow universities to generate question papers with random but even questions to cover most chapters of subject with difficulty level.

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III. SYSTEMS

A. Existing System

The existing system is paper based system. The generation of question bank is done manually. It needs human working to create question bank .For this teachers select questions by checking syllabus, weightage of the the topic and previous question paper. This question paper then refered or check by higher authority like hod who has the final decision for generation of the question bank.

1) Drawbacks of Existing System:-

a) Manual process consumes more time and cost
b) More time and effort require to manage and retrieve from manual question bank
c) There is no fixed time frame for initiating the question setting process
d) It is difficult to handle with repetition

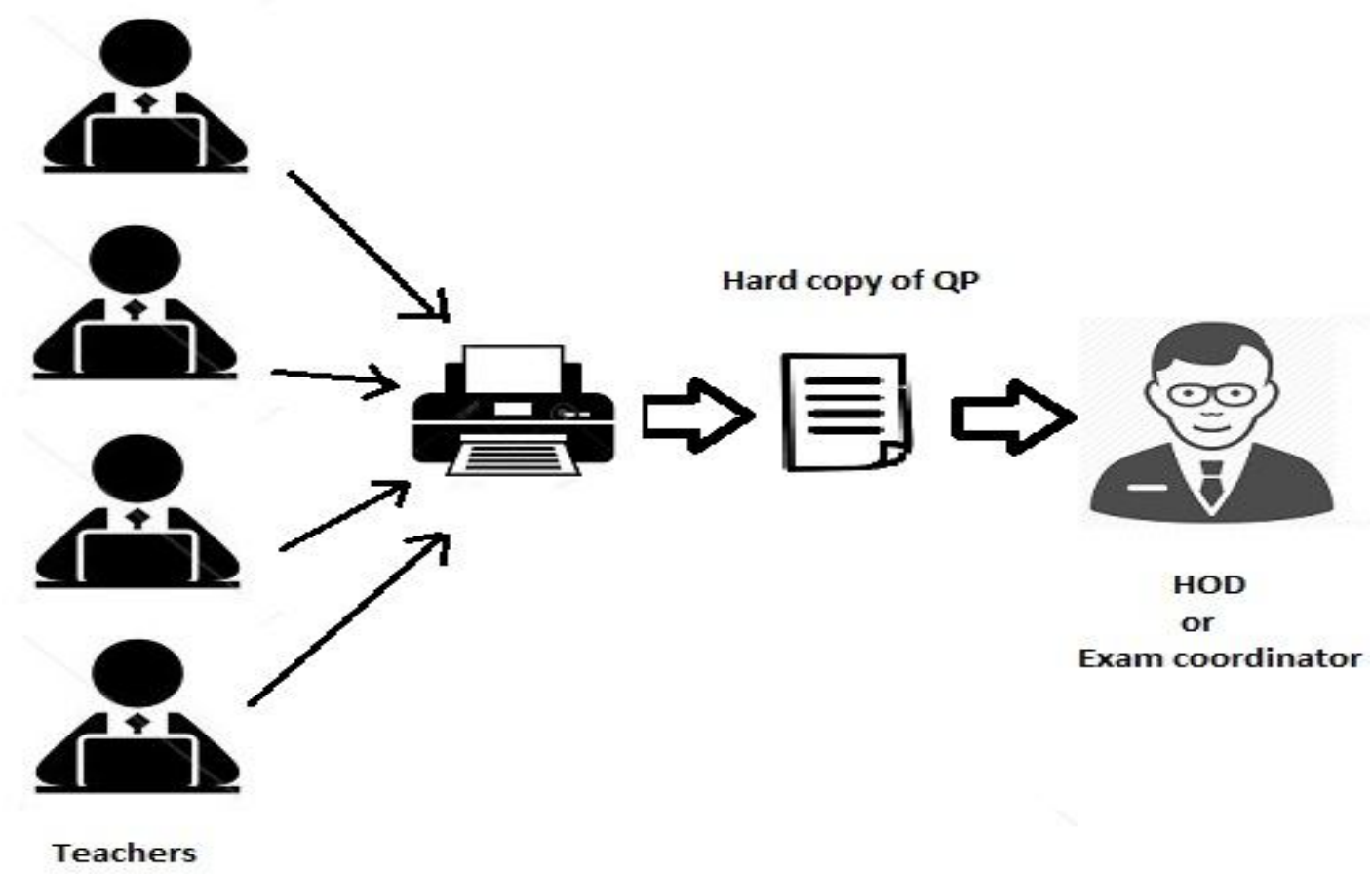


Fig1. Existing System

B. Proposed System

To overcome the drawback of existing system we develop these system. The system overcome limitation of existing system like automatic generation of question bank, reduce time and efforts, provides more security and flexibility for generation of random question.

1) Advantages of proposed system

a) The entry of the questions is all done by facilities with syllabus and subject label.
b) The sorting of the questions with equal distributions of weightage is automated.
c) The system gives faculty to edit which can set faculties to improvise.
d) Document based output generation.
e) Mailing for print by externals facility

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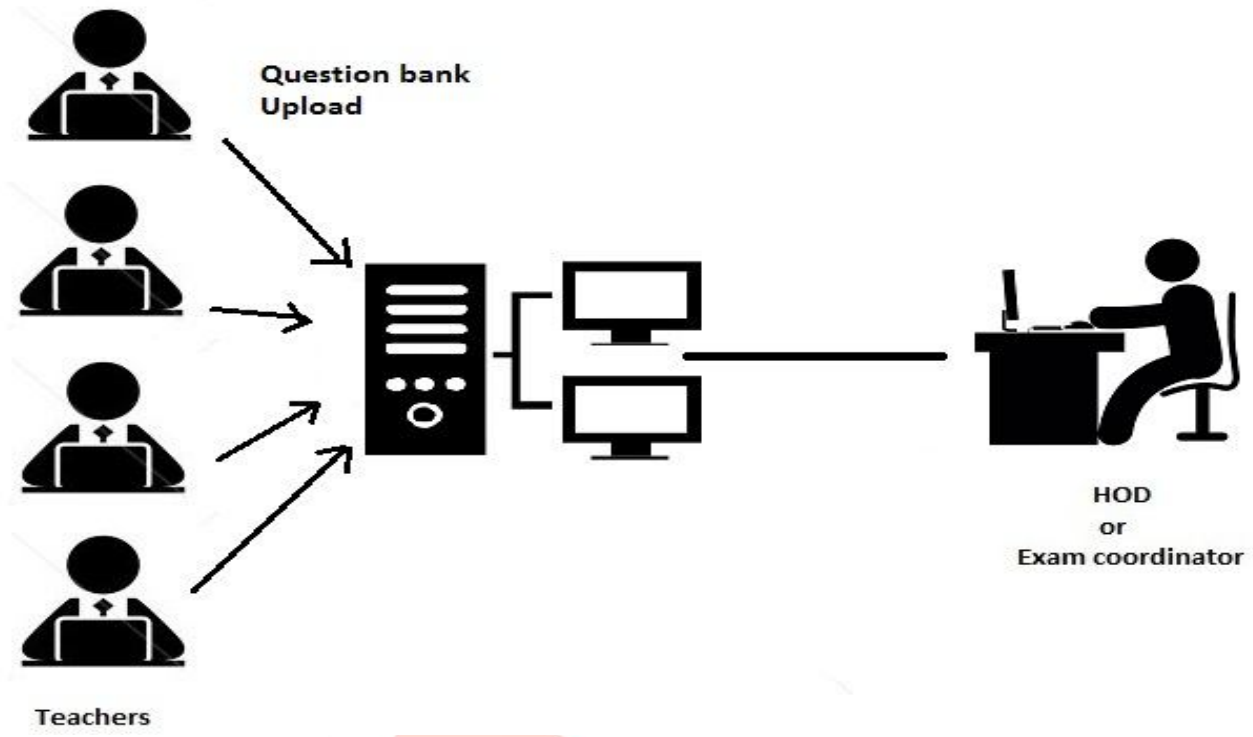


Fig2.Proposed System

C. Existing system v/s Proposed system:-

Existing system	Proposed system
1.paper-based system	1.paper-less system
2.More time cost	2.Less time and cost
3.More efforts	3.Less efforts
4.Less secure	4.More secure
5. Manual working for generation of question paper.	5. Automatic generation of question paper.
6.Less flexible	6.More flexible

IV. SCOPE OF THE SYSTEM

This software can be widely used in colleges, schools, universities etc. Automatic Question Paper Generation System is web based application so location of the user doesn't matter. Hod or any other higher authority can access this software anywhere anytime. This system also evaluate the candidate's capability and skills efficiently. The system is fully automated system which gives fast results. It reduce human efforts, saves time and reduce cost. In this system there is email facility is provided for sending question banks.in future we further enhance the scope by creating the question banks for semester exams.

V. WORKING OF THE SYSTEM

Admin (hod) makes the skeleton of the question paper which consists of various questions and sub-questions. 2. Faculties are made to enter questions into the database along with their marks, modules and weightage. 3. This question bank is then sent for paper generation. Question paper is prepared on the basis of the difficulty level set by the admin. Question chosen will be unbiased and

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based on the fuzzy logic algorithm and apriori algorithm 4.these paper then documented, this question paper is then analyzed by the hod. 5. After analysis, the generated question paper can be mailed to faculty or any other higher authority.

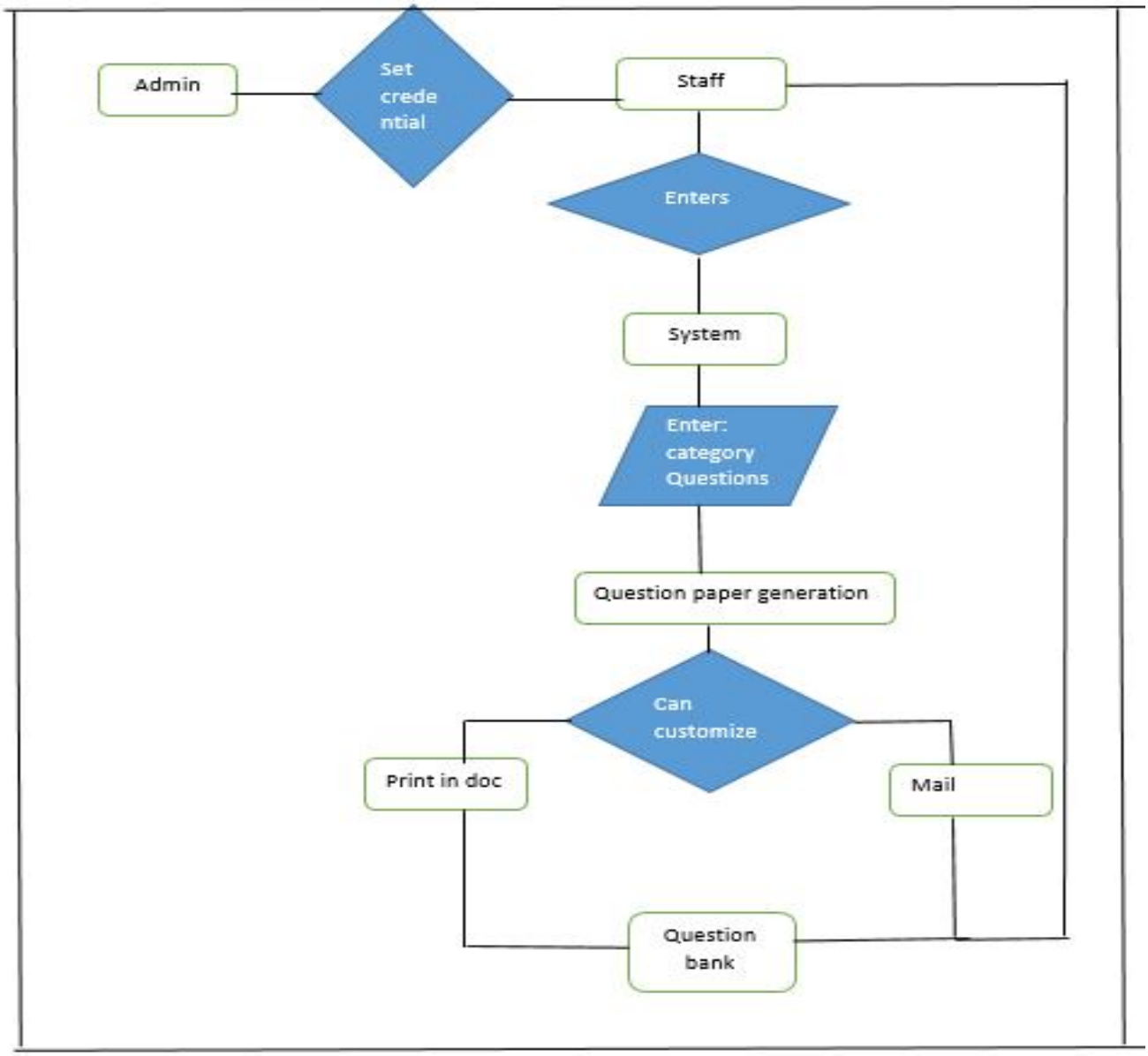


Fig3.Working of the system

VI. ACKNOWLEDGMENT

We would like to thanks Dr. Vinayak Bharadi, Head of Department of Information Technology, Finolex Academy of Management & Technology, Ratnagiri; Also Prof. Santosh Jadhav, Project Guide for excellent support to carried out this work and giving us inspiration at each and every time. Finally, we would like to thanks our family members who always support, help and guide us during our work.

VII. CONCLUSION

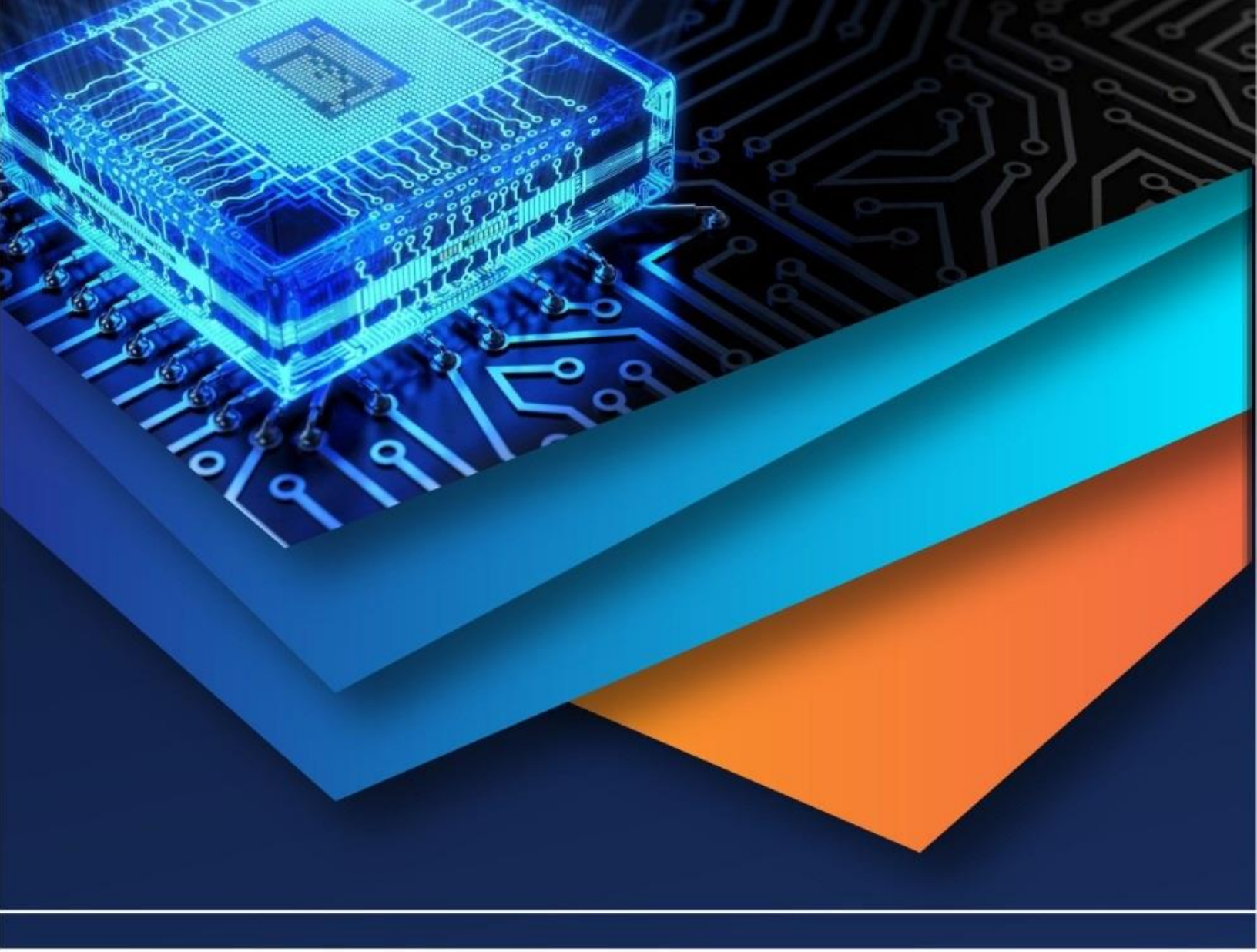
In this paper a new system for question paper generation system has been proposed. When we compare the proposed system with existing system we found that the proposed system is more reliable ,flexible and secure in comparison with existing system. Also the system is capable for handling the problems. It also reduce the cost and saves the time .In future we will further enhance the scope by creating the question banks for semester exams or university exam.

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