

Rubrics Student Evaluation System

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Abstract—The online grading system has become very popular as everything is going to be digitalized. student evaluation System is designed to help evaluators, faculties to properly grade student work. viewing student work, managing rubrics and graphical analysis of student assignments related issues are made simple and easy. Rubrics evaluation system is the widespread practice in both the software industry and the educational institutes. This can make the system easier to navigate and to use maximizing the effectiveness of time and other resources. rubrics system allows the keeping of track of submissions and evaluated data in a form that can be easily accessed and analyzed in a consistent way.

Keywords—Rubrics, Document evaluation system.

I. INTRODUCTION

Rubrics system provides a web-based and mobile-based platform to the grader, who will evaluate their work according to the designed metric developed by the grader. This system displays all the performance of the student in a graphical format so that student will get the clear idea about where he/she is good or where he/she is lagging and what is pending jobs and what is completely done. Using Rubrics system, the grader can review the students work as well as give proper feedback to the student and get the personal attention from the grader.

A. Problem Statement

To develop a software application that will help educators to grade students fairly based on rubrics. Rubrics are generally something that makes the life of an educator easier. Rather than adding an arbitrary grade to an assignment, with rubrics educators are able to determine exactly where a students work excelled beyond expectations and exactly where it lacked quality. Our software will provide a platform for the educators in which they would be able to create a grading rubric. The educator would define performance levels (like excellent, good, average, poor etc.) and parameters (like neatness, proper content etc.) for grading. Each performance level would have some weight assigned to it based on which the software would calculate the students final score. This software will also provide a proper feedback to the students and will tell them what areas they need to work on based on their assignment submissions.

B. Scope of the Project

Rubrics system provides a web-based and mobile-based platform to students as well as the grader, where students can upload their work and the grader will evaluate their work according to the designed metric developed by the grader. This system displays all the performance of the student in a graphical format so that student will get the clear idea about where he/she is good or where he/she is lagging and what is pending jobs and what is completely done. Using Rubrics system, the grader can review the students work as well as give proper feedback to the student and get the personal attention from the grader.

C. Need for the Proposed System

To evaluate the quality of students. To focus on measuring objectives (performance, behavior, and quality). To develop a better way of communication between teachers and students. To increase interest in performance-based education.

II. LITERATURE SURVEY

We have gone through various evaluation and grading tools as per our observation there are not single system which is been made for both android and website. The creation of rubrics system is very tedious and unclear to the user. The application are only targeted for certain events which is the biggest drawback. There are hardly any feedback system that has been provided by this application system.

III. ANALYSIS AND DESIGN

A. Methodology / Procedure adopted

We choose Extreme Programming (agile development) methodology for our project, Because this model Provides following Features: Decrease the time required to avail some system features. Face to face communication and continuous inputs from customer representative leaves no space for guesswork. The end result is the high quality software in least possible time duration and satisfied customer. We will conduct the weekly meetings with our project guide and do the project work/activities which will be assigned by guide and we will

submit the weekly report to guide. We will maintain activity sheets from the beginning of the project work to track the activities which are planned, activities completed and carry forwarded.

B. Analysis

Based on the requirements gathered, how was the feasibility study of the project carried out? The project is about the student evaluation system, so the study carried out on the comparison of the different student evaluation softwares. On comparison of different features of some softwares, the various system was referred for Evaluation system, which gives the idea of different ways of creating and evaluating students work. If any requirements, were modified why they were modified?

C. Proposed System

Rubrics system provides a web-based and mobile-based platform to students as well as grader, where students can upload their work and the grader will evaluate their work according to the designed metric developed by grader. This system displays all the performance of the student in a graphical format so that student will get the clear idea about where he/she is good or where he/she is lagging and what is pending jobs and what is completely done. Using Rubrics system, grader can review the students work as well as give proper feedback to student and get the personal attention from grader.

D. Advantages of the proposed system over existing systems

- No Pricing.
- User-friendly system.
- Provides offline sync.
- Create dynamic templates.
- Graphical performance analysis.
- Interactive feedback to students.
- Multiple as well as built-in Templates.

IV. DESIGN DETAIL

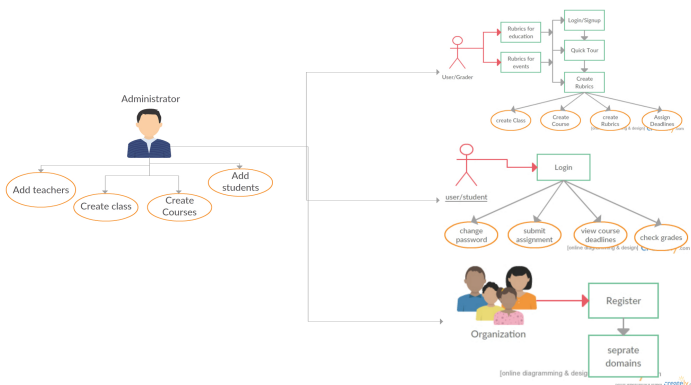


Fig. 1. Connectivity diagram for Rubrics Student Evaluation System

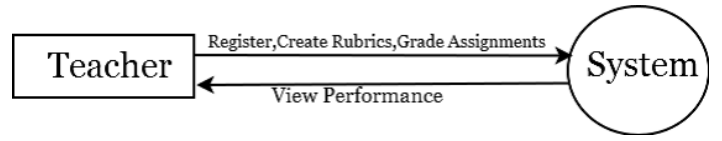


Fig. 2. Level 0 DFD diagram

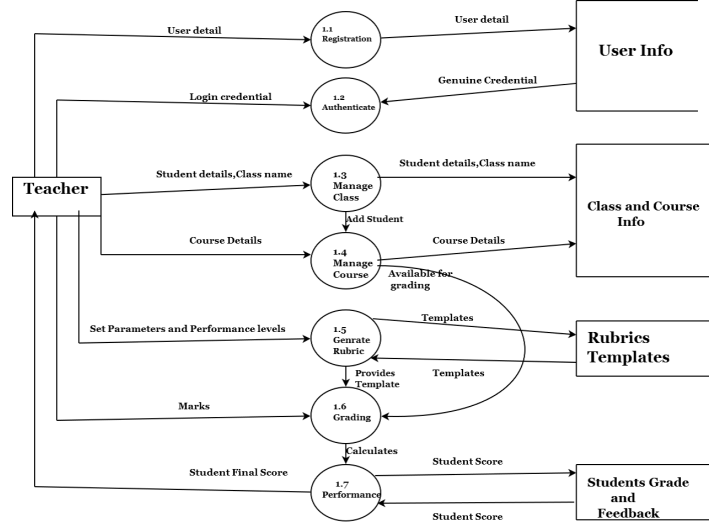


Fig. 3. Level 1 DFD diagram

V. RESULTS AND DISCUSSION

During the development of project research was conducted based on similar systems, it was found that none of the systems were developed in a user friendly manner and none of them implemented systems both for android as well as web application. During the development of the application it was kept in mind that system will be developed both platform android as well as web application. Creation of rubrics is given as a option to the user to create its own with ease. The user will be entering the criteria based on the assessment and marks will be distributed by the user on each of the criteria. During the research it was also seen that grading system was not implemented with clarity. Hence that anomaly was taken a account during the development of the project. Once the assessment of the students are done user will be able to visualize data in graphs as well as they will be able to perform statistical analysis of the data. User will be able to send the assessment to the students via mail.

VI. CONCLUSION

Rubrics system provides a web-based and mobile-based platform to students as well as the evaluator, where students can upload their work and the evaluator will evaluate their work according to the designed metric developed by the evaluator. This system displays all the performance of the student in a graphical format so that student will get the clear idea about where he/she is good or where he/she is lagging and what is pending jobs and what is completely done. Using Rubric system, the grader can review the students work as well as give proper feedback to the student and get the personal attention

from the grader. For the best learning as well as evaluation system rubrics system helps teachers and evaluator for the fair evaluation and communicate with the students personally and provide the proper guidance for better improvement of students.

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