

# Database Management Systems Term Project Proposal

## School Management System

### Group Members

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### Introduction

School is the place where students learn. There are many issues such as student database management, fee details, results and many other details that need to be maintained in an automated manner. You'll be able to see a huge amount of data files in the school websites that will contain the students' details. There will be no guarantee that the data will be in more secure hands and more organized.

This application will therefore help to store the details of students, course informations , instructors details, basic login section, etc. with great ease. This will be one of the interesting applications that can be started working on and implemented in the real-time world. The database must be strong enough to hold all the details of this application and its provides easy to use.

This proposal includes, and goes into details of, the following sections:

I. Problem Definition

II. Proposed Solution

III. Motivation

IV. Distribution of Tasks

### Problem Definition

All schools needs to keep students data in your own but they don't know how to use them easily. So every students trying to access these information by own but nobody access own information easily on the local webpages.

Every schools uses different school managements systems accordingly students have some problems with management system. That's why this project will help everyone and will be easy to use. Teachers can be add students results easily and they will see everything easily with friendly user interface. Students will be acces own datas according to the registered courses. They will access homework, project and courses materials etc.

School manager will be access all school information only using this user interface easily. When faced with a problem, the workload will be less as the solution will be based on a single center. Sometimes students have problems during course selection, so this system will present the course information to students in a fast and recent manner.

### Proposed Solution

We offer basic school management system for all schools. They can be store all school information with no knowing comture stuff. They will see only user friendly userface and they will be access whatever they want. Teachers will be able to take care of students taking this course. And also they will be share own materials by using this system. System will provide own information to all students, so students will see only own datas and own courses. Students will be access course teachers easily by using this system.

Every other school management systems faces with many common problems like registration of courses, single management center, students informations. This system will eliminate all of these problems with user friendly interface.

In the first problem, registration of course system, system will shows every course infos to students and students will be select own courses according to the recent manner course informations. In addition teachers will be change course information according to the new curriculum. So teachers and students will be communicate each others easily.

In the second problem, school management websites are not managed from a single system. So, In our system will be managed from a single center, the problems encountered will be resolved quickly and comfortably with a team formed.

In last bigger problem is students informations. Students will be able to easily access their own grades for each course and students will be able to see the homework and exam grades of each course one by one. Likewise, the period averages will appear in the system.

## **Motivation**

The ultimate motivation is to create a system that is simple and suitable for the needs of instructor-students with this system of schools. Using the recommended software and database system will provide the instructors with real-time update capability and access to information. It will also enable students to log into this system whenever they want and access information easily. The use of this system by all schools and its management from a single center will allow the problems to be solved with a single team.

In addition, schools' use of a single system will ensure equality by using the same grading system for all students. Thus, both teachers and students will not be victims.

## **Conclusion**

Most schools manage their students with different systems. This is why some students succeed or fail. Because of this imbalance, we thought of developing such a system.

With this solution, students will be evaluated equally and teachers will do their job easier using the same system. Also, administrators will be able to monitor and learn everything about their school.

The solution will be in the form of a web application, which provides an interface to the background database system. Using the web application, students ,teachers and school admins will see own information about the current school. Database will be responsible for the storing and retrieving of information regarding course information , students name ,id, registered courses, teachers, related courses etc. all information will be published in our user-friendly interface.

## **Distribution of Tasks**

**64170019 – İbrahim Talha Asan** -> Database Design , Teachers , Courses

**64170037 – Samet Sarial** -> Database Design , Design(UI) , Teachers, Form Creator

**64170039 – Emre Erkan** -> Database Design , Registration , Students, Link router