

## MY SCHOOL MANAGEMENT SYSTEM BASED ON WEB “SMS”

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### ABSTRACT

School Management System helps headmasters to get the most accurate information to make more effective decisions. Teachers and headmasters gain time saving administrative tools, parents gain immediate access to their children's grades and students can track their own progress. School Management System equipped features makes it possible to generate schedules and reports in minutes and to retrieve attendance records, grade checks, report cards, transcripts, and formletters in just a few clicks.

School Management Systems helps Teachers to complete grade book, track students attendance, input class notes, create lesson plans and detailed reports, and communicate with other staff members, students, and parents all via e-mail.

It also helps Students to access assignments and tests, and view attendance records, grades, report cards, and progress reports all online. They also can communicate through mail and forums with teachers and other students online.

My School (SMS) is a web enabled application developed in PHP and powerful MYSQL database backend. To implement My School application, schools do not need expensive hardware and software, they just need an internet connection and desktops. Our system works as a centralized database and application that schools can easily access the system from anywhere based on the login credentials. My School is a platform independent system that virtually any user can access from anywhere through a standard internet accessible system. We can also customize My School for individual school needs.

### 1. INTRODUCTION

Nowadays education plays a great role in development of any country. Many of education organizations try to increase education quality. One of the aspects of this improvement is managing of school resources.

Our system is a major tool through this managing process by making a continuous communication between headmaster, teacher, parents and student. So in order to achieve that goal, we need a Website that covers the needs of all users at the same time.

For Students, they can view their subject's grades, contact with the headmaster and teachers for any complaint,

recommendation or an absence permission, and they also up to date with all school's news or posts that publish by the other users.

For Headmasters, they have a full control on the system, like they can add a new parents, teachers and students with their subjects.

For Teachers, they can add student's grades or edit it for their own subjects only, and they have a direct connection with students and their parents .

For Parents, they have an access for their sons/daughters grades without any possibility to edit on it, and they can directly contact with teachers and headmasters.

All the system users can publish whatever they need within the educational process on the last updates section, and these posts is visible for all the users .

## 2. LITERATURE SURVEY AND RELATED WORK

### Introduction

This chapter identify the concepts of My School for management, teacher, students and parents. Also review the related works with it.

### My School , School Management System Strategy

My School is a complete school information management solution. Today's schools need to manage more information than ever before. Without a solid internal infrastructure for teachers, headmasters and departments to share data, critical school and student information can be lost, or worse leading to a host of problems that can effect of a school's image and endurance. To remain competitive, school needs a simple solution that can run individual function, connect their entire operation, use the web as a key communication tool and simplify day to day operational responsibilities, giving staff more time with students.

My School automates various scheduling activities of school and optimizes the use of premium resources. Concerned authorities can now easily and seamlessly use the system to create timetables, otherwise a time consuming and tedious task.

### My School for Management

- Single points school management software
- Manage multiple campuses.
- Enable internet front-end for the school.
- Connect with Parents and other stakeholders effectively

- Build and Manage community of parents, teachers and students
- Manages all administrative records with zero redundancy
- Achieve best possible resource optimization
- Automate all operational functions like fees, Attendance, Exam Management.
- Automatic generation and regeneration of timetable with dynamic substitute management.

#### **My School for Teacher**

- Complete marks/grade management
- Publish articles for others.
- Interact with parents efficiently and effectively.
- View analytical reports
- Email and Internal messaging system.
- Participate in forum and share knowledge with others.
- View Timetable in advance.

#### **My School for Student**

- Real time exposure for better learning.
- Publish article to share knowledge, experience and views.
- Participate in forums.
- View online marks and timetable for exams.
- Interaction with other students, teachers and parents.
- View Timetable in advance.
- View current events and holidays at school.

### **3. METHODOLOGIES**

This chapter explains the design and implementation phases of the system. It depicts the class diagram, ER diagram and database schema the System. Moreover, the implementation phase combines the requirements, design phase outputs, and process them using the appropriate technologies.

### Analyze Phase

During the analyze phase, we determine the requirement of the project and get in touch how we can improve the school's performance, also we determine how implement the school's need's to help them to get professional work.

### Build A Prototype.

In this phase, the tools used in developing the prototype and the developed system are described:

### Programming Tool

The system are developed using web development techniques (HTML5, CSS3, JavaScript, JQuery) that let us design the system layout such as login form, tables, panels and colors, then implement UI/UX element's such as :

- Make the system ease to use.
- Make the system ease to learn.
- Choose the website color's carefully to enhance user interfaces

Then, make the system dynamic using programming tools (PHP v7, MYSQL DBMS) it's let us store the user's information in database and view it through the WebPages using PHP v7

## 4. RESULTS AND DISCUSSION SCREEN SHOTS

Screen shots:

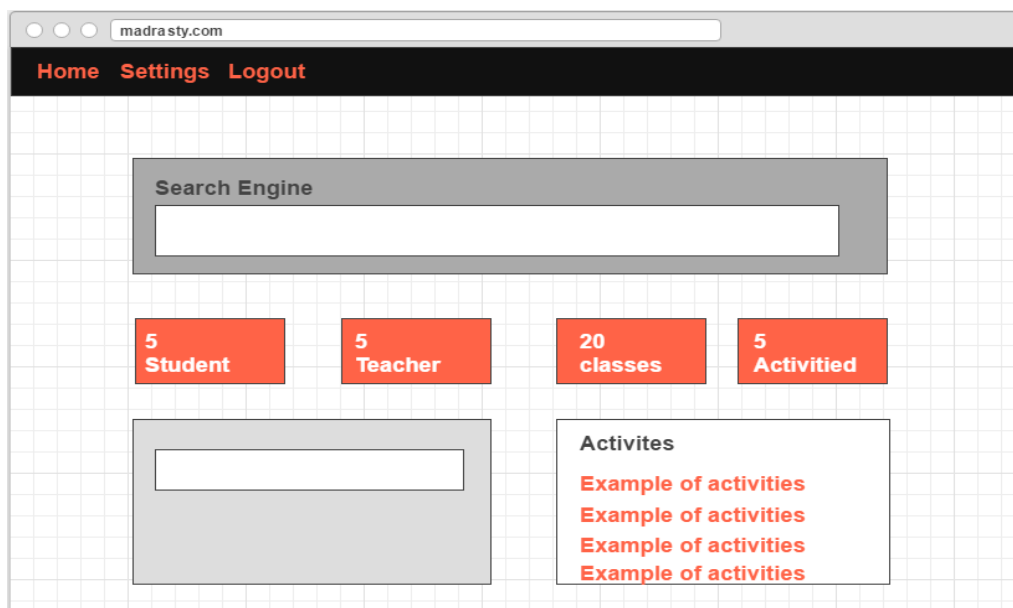


Figure 1 : Prototype Control Panel

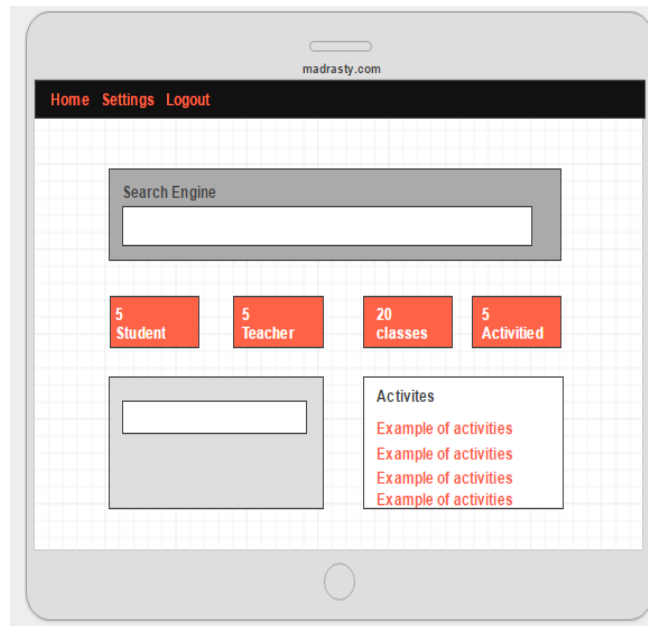


Figure 2 : Prototype Mobile Working

### User Interfaces

### Admin Interface

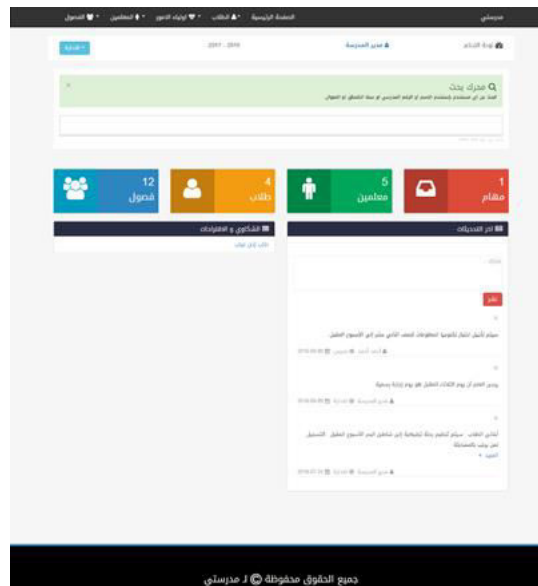


Figure 3 : Admin User Inteface

## Teacher Interface

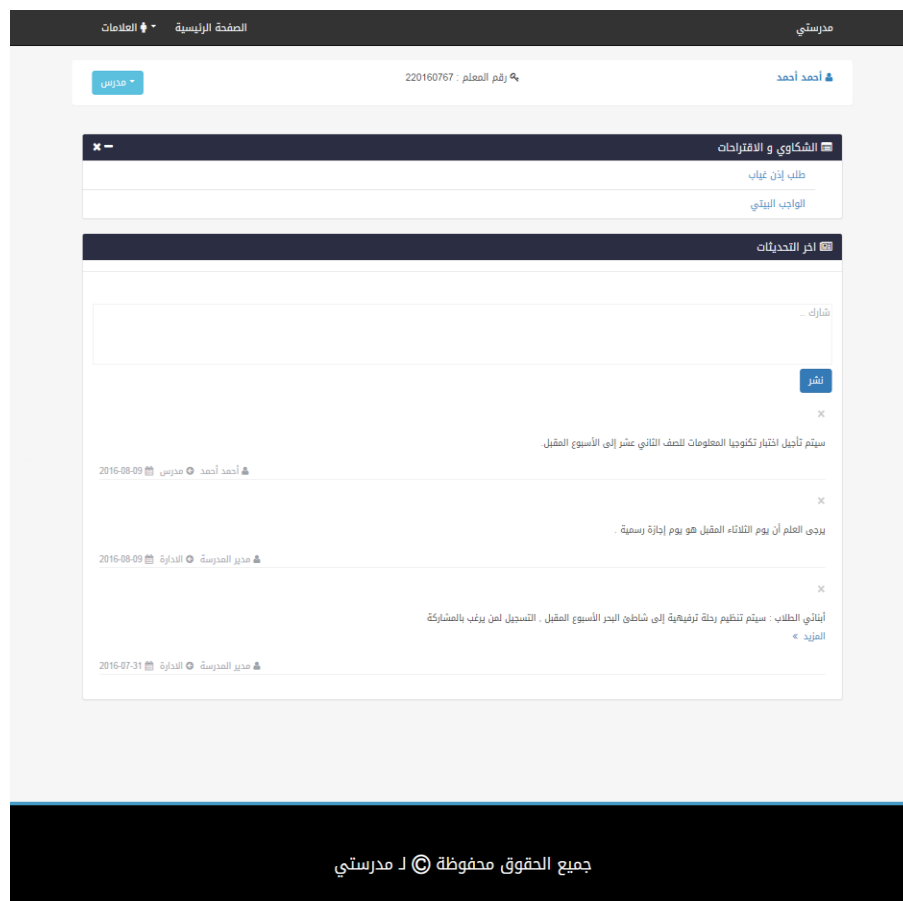


Figure 4 : Teacher User Interface

## 5. CONCLUSION AND FUTURE SCOPE

In recent years, with the pace of technological development, people have become more and more demanding in terms of quality of life, and the schools managers in recent years look to improve a performance in their schools to get the highest rate of knowledge and experience in their student.

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