

Software Requirements Specification
for
School Management System
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Table of Contents

1 Introduction

1.1 Document propose.....	01
1.2 Mission.....	01
1.3 Intended Audience And Document Overview.....	02
1.4 Scope.....	02
1.5 Reference.....	02

2 Overall Description

2.1 Product perspective	03
2.2 Product functionality.....	03
2.3 Uses And Characteristics	04
2.4 Operation Environment	04
2.5 User Documentation	04
2.6 Assumptions And Dependencies.....	05

3 External Interface Requirements

3.1 User Interfaces.....	05
3.2 Hardware Interfaces.....	05
3.3 communication Interfaces.....	05

4 Non- Functional Requirements

4.1 Performance Requirements	05
4.2 Safety and Security Requirements	05

5 Use case

5.1 Use case diagram -----	11
5.2 Use case description -----	10

1 Introduction

1.1 purpose

This Document presents a detailed explanation of the objectives, features, user interface and application of School Management System. It will also describe how the system will perform and under which it must operate. In this document it will be also shown user interface. Both the stakeholders and the developers of the system can benefit from this document.

1.2 Mission

Now a days the parents of students can't monitoring their children and their activities properly and regularly for the lack of time. This school management system helps the parents monitor their children from anywhere. They can check their children's academic performance from a remote location. On the other hand when a teacher works manually then he/she faces some problems. For instance sometimes they lose their data or random their data. After observing these type of issues we have come with an idea that we will make a web based application for school management. When teacher or administration use this type of application then they can maintain their work properly and easily without any error and also this application will organize their work for them.

The system is originally built for teachers, guardian and administrations.

1.3 Intended Audience and Document Overview

This document is intended for admin of a school, system designer, System developer and tester. By Reading this document one can learn about what the project is implemented for and how it will presents its basic ideas. This document has a Sequential overview of the whole project so that one can get a clear idea about the project. by reading document from top to bottom.

1.4 Scope

We want to build comprehensive web-based application for the school teachers, students and admin which will be very easy to use for their work purpose. Work with common server or browser which is very familiar with us. I want to focus on the application itself and the features of that application that help build a good management community.

1.5 References

www.google.com-the

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www.cnet.com-technology

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2 Overall Description

2.1 Product Perspective

As the product is basically based on school management system Administrative staff, teacher & the student of a school can use this application via web protocol. The student can fill admission form, check the students result and update their profile. They also can view the students corresponding class routine and related resources from this Web application. Teacher can update and publish students result. Administrative Staff can add or remove teacher and student from database via this application. All school can use this application.

2.2 Product Functionality

- Every student gets the Login Id & password at the time of admission of the student in the school.
- Student and teacher can Check the students performance, also admin can check attendance of their child in the school.
- Students are able to see progress & Online Result of their child.
- Students can see fee structure, Syllabus & homework or assignments given to student and they can get Timetable & schedule of Exam. Also can be able to see Various Notice Board.

- Parents will get receive a e-mail from school about their student progress-summary by weekly/monthly.

2.3 Users and Characteristics

Students:

They are the people who studying in the school.

Teacher:

They are persons who teach a different subject

Admin/Principal

: He/They is/are the person who handles all
Over management of the school.

There will be mainly three classes. Admin, teacher and students. Admin will manage the all of the task using this application. Teacher will make attendance and make test paper for the students. Students can fill admission form and also check the result.

2.4 Operating Environment

This system is a web server that will run on a machine with 24 * 7 monitoring. User can run the system on any machine as this system is web based. To run the system we do not need any high configuration machine.

Recommend requirements are to use at least Pentium processor, 256 MB RAM, 16 bit operating system, Internet Explorer, Mozilla Firefox and Google Chrome.

2.5 User Documentation

To use the product properly, there will be various components to help the user. Some of them are:

- It will provide specific guidelines to a user for using this application
- A video (Slide Show) will be provided which will represents the whole system function and how it works.

2.6 Assumption and Dependencies

- 1) In bill making there may occur some problems.
- 2) User may give false feedback.

External Interface Requirements

3.1 User Interfaces

Front- end software:

html, css, bootstrap, JavaScript

3.2 Hardware Interfaces

A browser which supports HTML,css and JavaScript

3.3 Communication Interfaces

The system will support all types of web browse.

Non- Functional Requirements

4.1 Performance Requirement

- 1) It is completely free of cost web application.
- 2) Use common processor.
- 3) Use available Operating System.
- 4) Working with most of the browser.

4.2 Safety and Security Requirements

This application will run on common browsers. They will not change the Customizations of fonts and colors of the web application. This application will run On 24 * 7 monitoring. Teachers and students will access this application Through their username and password. Administrative staff will have to Access their functions no one cannot access administrative functions. Database servers that contain Restricted Data are required to meet the Following account access, password and privilege configurations. Create separate accounts for running automated tasks that do not allow direct logins. Administrators must not use these accounts for other tasks. Use strong passwords for all accounts.

Use case Descriptions:

5.1

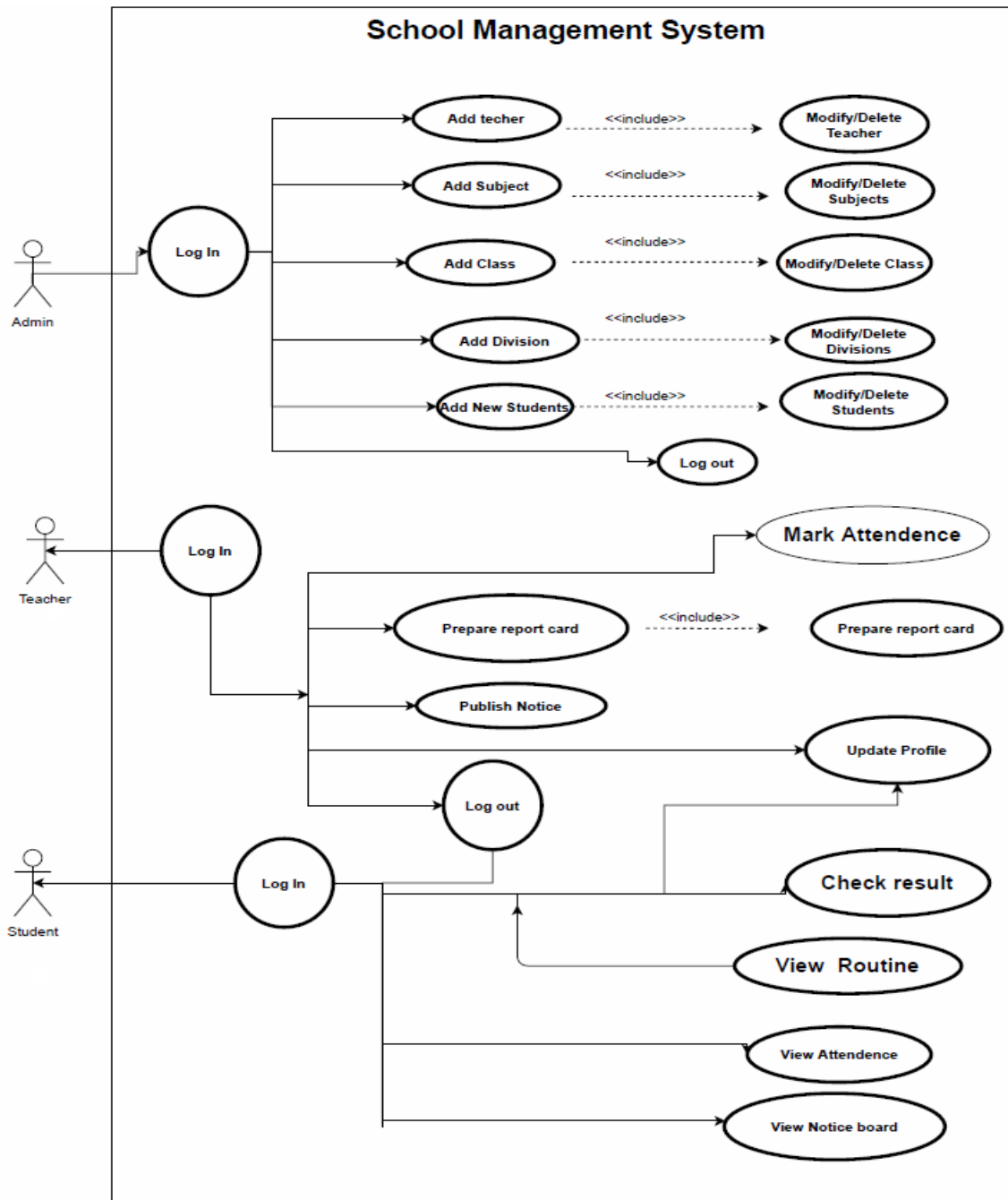


Figure : Use Case Diagram

5.2

Admin :

Use case : Manage the system

Description : Add teacher,subject,class,Division,new student.

Student :

Use Case : Get information about own profile

Description : view routine, noticeboard ,check result ,

Teacher:

Use Case : Update the info and get the information of students

Description : mark attendance, prepare report card
,publish routines.