School Master

Vision

Version <1.0>

Revision History

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| <22/03/2017> | 1.0 | The vision of the project | Chis Razvan |
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Vision

# Introduction

School Master is a client-server application. This tool comes to help people involved in a educational institution. It is based on achieving a framework to facilitate work within an educational institution, that allows users to exercise desired and possible actions. It addresses four types of users: teachers, students, parents and administrator. The objective of this document is to collect, analyze and define requirements and features of a high order School Master. It focuses on the capabilities required by stakeholders and users, and why these needs exist. Details about Master School fulfills these needs are detailed in the use-case specification and additional documents.

## Purpose

The objective of this document is to define user requirements of this application and analyze the possible scenario of use.

## Scope

This software to be implemented will be a Host DBMS and a report generator . It will be possible to store data about teachers and students of the institution and about students' parents , allow management of such data by an administrator and create useful reports for users.

The system will allow teachers to check their schedule , view a students situation , to assign grades to students, to complete the school situation to their subjects for students. Students will be able to check schedules and school situation . This operation will be permitted to parents. The system administrator can perform CRUD type operations to other actors in the system , will distribute a student and teacher in a course / subject and conclude school situations at the end of semester.

The system will send a notification by email to parents , whenever his child receives a grade, or school situation at the end of the semester .

## Definitions, Acronyms, and Abbreviations

To see terms and abbreviations used in this document is recommended to read the document Glossary.

## References

## Overview

Below is described the problem that the system proposes a solution , identified key stakeholders (interested in the project), users of the system are described, and finally indicated SchoolMaster application requirements.

# Positioning

## Problem Statement

This project is designed to replace the old systems of school management and to provide user-friendly environment to ease the work of those who use it.

|  |  |
| --- | --- |
| The problem of | Old system that makes keeping manual records, making it hard to work at this level |
| affects | School administration, teachers, students and classes |
| the impact of which is | Slow and costly process that can not satisfy the desire of users, achieving their discomfort |
| a successful solution would be | Improving the management of the institution, a positive feedback from users, a graphical interface more usable. |

## Product Position Statement

|  |  |
| --- | --- |
| For | administration of the institution, student, teachers and parents. |
| Who | attend classes, teach, develop schedules, manage student database. |
| The School Master | is an information system |
| That | allows online access to courses and students' schedules and provides information about teachers and students. It can also be used by administrator to change any information. |
| Unlike | old system used at this time |
| Our product | provides the ability to automatically assign (the web interface) grades of students, provides the ability to add or delete from the database without using different documents and checking by parents school situation of child. |

# Stakeholder and User Descriptions

This section describes School Master system users. There are four types of users for the system School Master: administrator, teachers, students and parents.

## Stakeholder Summary

The School Master application can identify more stakeholders

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Responsibilities** |
| School inspector | Monitor activity at county schools | Monitor project progress |
| Ministry of Education | Defines rules, programs, rules for the functioning of schools | Finance the project |
| School Director | Dealing with school leadership | Interact, comes with suggestions |
| IT executive | IT Department or School | He is responsible for the approval of project financing. Monitors project progress |
| Administrator DB | He provides database administration | Ensures operation of database and CRUD operations on other users |
| Teachers | Teachers | Represent school interests (teachers) |
| Students | Students | Ensure that the system provides the needs of all students. |
| Parents | Parents | Ensure that the system provides the needs of all parents. |

## User Summary

The School Master application can identify four types of users: students, teachers, parents and administrator.

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Description** | **Responsibilities** | **Stakeholder** |
| Administrator DB | Manage the database and also maintain an updated one when necessary. | Provides details on the graphical interface, produce reports on the evolution of the project, providing assistance throughout the system development process | Representative of the institution |
| Teacher | Use system to assign grades or modify them, or can query the system at this level | Ensure that the system is supported by teachers and those with and those without access to a computer. | Representative of the institution |
| Student | Query the system to see their school situation or courses given by a certain professor | Ensure that the system will be accepted by students, both in terms of how to use and performance and safety | Representative of himself |
| Parent | Query the system to see the student's school situation | Ensure that the system will be accepted by parents, both in terms of how to use and performance and safety | Representative of their child |
|  |  |  |  |

## User Environment

The education area is quite varied in terms of the people involved. Given that there are many actors, each actor can have different characteristics therefore project should be easy to use for any type of person.

There exist educated peoples, such application will be easily understood. Ability to facilitate teaching project will attract many interested persons in the development of education. Thus the teacher to assign grades or courses need to access web interface. The same will be done and the student or his parent to see the notes. So its use adds features in this area where there are many people involved.

# Product Requirements

The database will communicate with students or parents and teachers to retrieve information they need and will send back the changes requested by the user.

  The server component of the system (database) will be placed in the school and will run under Windows XP or Linux. This will require a utility to access the database such as SQL Server 2008 or MySQL. The server uses TCP / IP.

Client component (user) of the system will have access to it from any personal computer with a 486 microprocessor or better.

Client component of the system will need more than 32 MB RAM and 30 MB Disk Space

Client component of the system will run on Windows XP, Windows Vista, Windows 7

Client component must be installed on the system java jdk7.