Software Requirements Specification

for

Student Management System

Version 1.0

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Revision History

Name	Date	Reason For Changes	Version

1.   Introduction

1.1   Purpose

This project gives all the services that must be provided to a student over the internet to find fee details provided by that administrator of the college. This project contains each and every data regarding student, payment etc., personal details which can be updated by the student and viewed by the administrator. It provides the detailed information about the fee details and the course details given at the college.

1.2   Document Conventions

As of now there are no Document Conventions.

1.3   Intended Audience and Reading Suggestions

The intended audience for this Student Management System is the internal guides and students of the organization.

1.4   Product Scope

This Student Management System product usage makes work done at the faster way the software is applicable to view the fee details provided by the administrator of the organization and student can edit his personal details which can be viewed by the administrator.

1.5   References

No Refernces as of now.

2.   Overall Description

2.1   Product Perspective

Student Management System is capable of managing each and every data regarding student, payments etc. Student Management System helps us in managing in an extremely efficient way. This Student Management System works in an efficient manner. We have two modules in this project. One is admin and other is the user. Admin can maintain the fee details of students. User module can edit their personal details and can view the fee details.

2.2   Product Functions

- *Reduces the manual workload.*
- *Complete details of the student can be stored and retrieved.*
- *Admin can see all the student's payment details and also export to excel sheets.*
- *The student can view all his details, payment details and the location of the college.*
- *The students can also update their details such as fee payments etc.*

2.3   User Classes and Characteristics

The User Classes and Characteristics are not yet defined and hence not written here.

2.4   Operating Environment

Hardware Requirements
- *Computer Machine*
- *External Disk*
- *Printer*
- *Printing Material*

Software Requirements
- *Xampp (My-SQL)*
- *Web Browser*
- *Operating system : Linux (Ubuntu), Windows XP or above*
Languages used : HTML, CSS, JavaScript.

2.5   Design and Implementation Constraints

The Student Management System software is designed in such a way that the user can easily interact with the screen because of GUI. The admin and the user are the two users who use the project. The admin inserts the details of the students and the fee details that the students have paid. User/Student can view his/her details, update if required and check the fee details.

2.6   User Documentation

User documentation is not yet decided as in how to implement.This will be updated once it is decided.

2.7   Assumptions and Dependencies

There are no assumptions as of now.

3. External Interface Requirements

3.1 User Interfaces

- *Login*
- *View details of the courses.*
- *View Fee reciept details.*
- *Update fee reciept details.*

3.2 Hardware Interfaces

There are no hardware interfaces until now.

3.3 Software Interfaces

The operating systems include Linux based Operating systems and Windows.The database being used here is SQL (might include NoSQL). As of now the tools and libraries decided are MySQL, Javascript, Sublime text, Chrome developer tools, Github, Twitter Bootstrap, Angular JS etc.

3.4 Communications Interfaces

Communication Interfaces and protocols are ot yet decided.

4. System Features

4.1 Fee Payment Details
- *The students can update and filll in their details of their fee payment .*
- *Admin can see all the student's payment details and also export to excel sheets.*

5. Other Nonfunctional Requirements

5.1 Performance Requirements

To be decided.

5.2 Safety Requirements

To be decided.

5.3 Security Requirements

To be decided.

5.4   Software Quality Attributes

To be decided.

5.5   Business Rules

To be decided.

6.   Other Requirements

To be decided.

Appendix A: Glossary

To be decided.

Appendix B: Analysis Models

To be decided.

Appendix C: To Be Determined List

To be decided.