

Project Proposal

[School Management System]

[Group number:09]

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Introduction

Student management systems become an integral part of the upper education system. We create it to make the work easier for the management system for the principal. The executive aspects of such systems could include class rosters and therefore the ability to record students' grades. With relevance to the teaching aspects, however, it might include Servant details, Tenders information, and treasury information as well.

System summary

Briefly, we are willing to explain our system, so we plan it into Eight classes. Users, Students, Teachers, Servants, Sports, Marks, Tenders, and Treasury.

The system has been developed considering every single quality factor. Moreover, the system is very reliable and attributable to the safety features, provides for the school management system.

This system will be operated by the principal and office staff. (Because principal can not to all works, like save the marks and grades) . So each staff maintains each class like one will maintain the teacher's details and another one will maintain sports but the treasury will maintain by the principal.

So the principal sees all the details about the school in one program.

Requirements Analysis and Design

We need a data of student details and teachers details as well we need subjects and marks data which is followed by the students. Also, we need details of servants. Financial data (tenders and treasury) are also important.

USERS 01

Data Requirements

- User id
- Name
- Address
- Contact number
- Age
- Gender

Functional Requirements

- Login
- View profile
- Edit profile

STUDENTS 02

Data Requirements

- Index
- Name
- Guardian
- Address
- Subjects
- Grade

Functional Requirements

- Input data
- Edit data
- Calculate Age
- Find details by Index

TEACHERS 03

Data Requirements

- Teacher ID
- Age
- Subject
- Address
- Telephone Number

Functional Requirements

- Input data
- Edit data
- Find by name

SERVANTS 04

Data Requirements

- Name
- Age
- Duty
- Salary
- Working hours

Functional Requirements

- Calculate salary
- View data

MARKS 05

Data Requirements

- Subject
- Student name
- Mark
- Total
- Rank

Functional Requirements

- Add marks
- Edit marks
- Calculate total
- Calculate rank
- View data

SPORTS 06

Data Requirements

- Sport name
- Members
- Coach
- Teacher in charge
- Practice Date
- Practice time

Functional Requirements

- Input Data
- Edit Data
- View data

TENDERS 07

Data Requirements

- Name
- Tender for what
- Tender
- Conditions

Functional Requirements

- Calculate highest tender
- View data

TREASURY 08

Data Requirements

- Facilities and Service charge
- Donations
- Income from Events
- Tenders
- Servant Salaries
- Library Books
- Repairs
- Other expenditures

Functional Requirements

- Calculate total income
- Calculate total expenditure
- Calculate balance
- View Data

Teamwork

As a team, we plan to gather. like when one person suggests one topic another will search a lot of things about that topic and we will discuss that the, can we do that, what are the advantages we have. If that topic is not possible we will go with other topics. In this project, we have 8 classes, and our 3 team members were taken 2 classes to develop. The other two members are taking a big class to develop.

For this project, we watched a lot of videos as well as Google a lot of things. Finally, we got a lot of details related to this topic.

As a group, each member gives their best.

We plan to develop the classes like this,

- *Wathsala: Teachers and students*
- *Malaka: Sports and Tenders*
- *Dulakshi: Servants and Treasury*
- *Arshana: Marks*
- *Sashini: Users*

Finally, we will add each class to one project.