

# SCHOOL MANAGEMENT SYSTEM

## The system shall be composed for the following core modules

- Students: This module involved student admission, student marks/report cards, Promotion, De-activation.
- Staff: Manages school staff, I.e Applications, De-activation.
- Inventory: Management of goods in stock.
- Incomes: Management of all school income. I.e schools fees etc.
- Expenses: Management of all school expenses.
- Communication: Communicate with all school stake holders. I.e parents, staff, students etc.
- Documents: Schools must be able to upload and access their documents.
- User Management: This helps in management of all system users.

## System requirements

- The system must be used by more than one school.
- Student and staff should be able to make application to the school.
- Upon admission student and staff must be informed about their admission by SMS and Email.
- System must automatically assign unique identification numbers to admitted student and staff.
- School documents should be private and must not available in search engine results, Hence only those authorized must have access to the school documents.
- School administrator should be able to set the fees structure. ie. For a given level, Class or study type e.g boarding
- School administrator should be able to set the school grading. E.g 0 -39 = F9
- System must be able to manage subjects with multiple papers. E.g Physics has three papers in A Level. Hence the report card must show the student's performance in all papers and the overall grade.
- The school administrator should be able to assign and un assign system users specified roles. E.g Staff S001 can be assigned roles to set fees structure.
- Student and parents should be able to have asses to their student's performance remotely.
- The system should keep track of all school incomes and expenses.
- The school should be able to communicate with all system stake holders via their SMS and Email. NOTE: only verified stake holder contacts must receive the communication. Before sending a communication the recipient group has to be chosen. e.g All school fees defaulters, Parents for senior four, all staff, etc.
- Authorized staff should be able to upload, add, edit or delete student marks.
- All system information should be represented graphically using bar graphs, pie charts etc.
- All inputs must be validated. e.g For a telephone input, and invalid phone number must not be allowed.
- All data and only relevant columns must be exported in PDF or Excel.
- Data should not be hard deleted but rather soft deleted.