



THE DIRECTOR/ BOARD OF DIRECTORS

DATE:...../...../2021

## RE: REQUEST TO CREATE A FULL WEB APPLICATION FOR YOUR SCHOOL

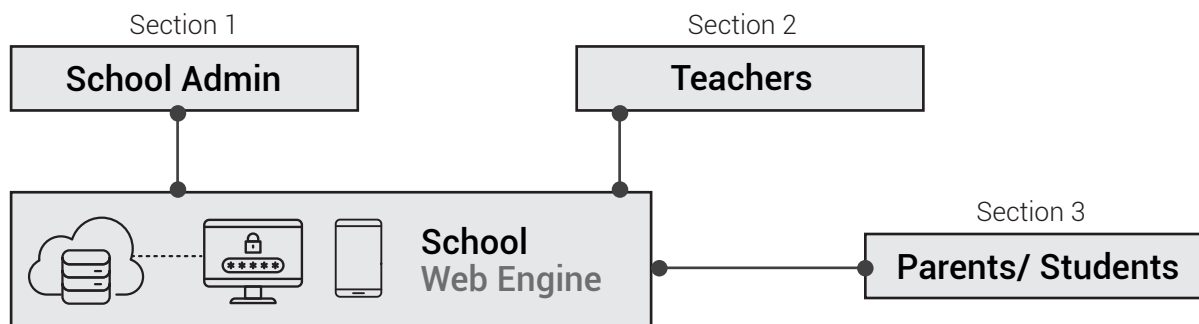
We would like to work with you to bring to life a state-of-the-art technology platform to boost the education experience for both your school and your clients. We have chosen to work with you because we believe in your values; to educate and raise a Godly and wholesome generation. We therefore would like us to join forces unto this cause. In this partnership, we shall provide the technology, you will provide the education. It's that simple.

Other details about this partnership and the product details are included in the draft contract document.

## ABOUT THE SCHOOL TECHNOLOGY

PRODUCT NAME:	VIRTUAL SCHOOL SYSTEM - (a.k.a MUSOMESA)
SYSTEM TYPE:	WEB APPLICATION
PROGRAMMING LANGUAGES:	JAVA, JAVASCRIPT
DATABASE:	ORACLE MYSQL/ POSTGRESQL
DATABASE CAPACITY	10,000+ USER ACCOUNTS
ACCESSIBLE BY DEVICES:	DESKTOP, LAPTOP, SMARTPHONE, TAB
REQUIRES:	INTERNET CONNECTION & A BROWSER
SUPPORTED BROWSERS:	CHROME, FIREFOX, MICROSOFT EDGE, SAFARI, BRAVE, ETC.
CLIENT DATA CONSUMPTION VIA PHONE OR TAB	LOW : ~ 20MBs PER HOUR OF BEING ONLINE (~UGX 300)
PROJECT COST BREAKDOWN:	Detailed in the official draft contract document.
GRAND TOTAL PROJECT COST	UGX 75,000,000 For the first year (includes all costs).
DEVELOPMENT DURATION:	120 Days
SYSTEM CREATORS:	AYSH INVENTIONS LTD
INTENDED CLIENT:	

## SYSTEM ARCHITECTURE



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SYSTEM FUNCTIONS

## SYSTEM FUNCTIONS

### SECTION 1 (SCHOOL ADMINISTRATION)

An authorized school administrator can login and do any of the following

#### Manage (create/ upload/ update/ delete):

- Students' database (child's profile, marks, fees status).
- Teachers' database.
- Students' exam results (system can also bulk design and generate reports).
- Periodic newsletter/ Announcements.
- Syllabi for teachers to use.
- School timelines & deadlines.
- Zoom accounts for the different live video classes.

#### Read / Respond to:

- Queries/ Messages from parents.
- Queries/ Messages from teachers.

### SECTION 2 (TEACHER)

An authorized teacher can login and do any of the following

#### Manage (create/ upload/ update/ delete)

- Class notes of different subjects & topics with titles.
- Exercise & Answers for a specific topic for students to access.
- Test/Exam (to be done under supervision of parent/adult at home, no copying).
- Send exam results to School Admin to send to parents/students.

#### Download/ Manage / Access / Respond to

- Exercises submitted by students.
- Test/ Exams submitted by students for marking.
- Questions from students
- Messages from the school admin
- Comments from parents

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SECTION 3, | SYSTEM SECURITY

## SECTION 3 (STUDENT/ PARENT)

An authorized parent/ student can login and do any of the following

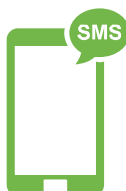
### Download/ Access

- New lesson notes from the teachers
- Exercises uploaded by the teachers
- Exams uploaded by the teachers.
- Newsletter/ Announcements from the school Administration.
- Schedule for upcoming tests.
- Marks & performance reports for each exam/test.

### Upload/ submit

- Attempted exercises for marking (before deadline).
- Exams for marking (before deadline).
- Questions for teachers to answer in various topics for child's clarity.
- Send queries or Inquiries to the school Admin.

## INSTANT NOTIFICATIONS



Each parent shall receive an instant notification/ alert through their phone (SMS) each time the school admin makes an important update e.g. Uploading New Exam-results, Uploading Newsletters, etc.

## SYSTEM SECURITY

The system uses the most secure Java Play-MVC technology and is safe from:

- Cross Site Request Forgery (CSRF) attacks. ✓
- Harmful dependency Injection & data theft by Hackers and cyber robots. ✓ ✓
- Unauthorized access (system uses a robust password authentication algorithm)
- Data loss through server shutdown (System has frequent automatic & manual backups). ✓

## OUR PARTNER TECHNOLOGIES

Special thanks to the following for their high-tech tools that quicken our software development process.



## CONTACT US



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