



# HELBme.

**Security for Education**

KAMI LIMU



## General Problem

Smishing, a **\$485 billion global fraud crisis**  
that targeted 82% of Kenyans in 2024.

## Specific Problem

**HELB loan beneficiaries** are increasingly at risk of falling for SMS scams, as fraudsters **exploit the lack of sender ID verification** to mimic official messages.

## Problem Validation

Conducted a survey with **13 undergraduates** who said they were unable to differentiate real from fake HELB SMSs with **4** of them falling victim as a result.

Are you familiar with sms scams

How do you deal with them?

Name: Mr Collins Wenja

Designation: Act Deputy Director of Comms  
b/Customer Experience

Private  
Line:  
0

Introduce yourself and explain what the project is about.

① How do you typically deal with scams?

→ Students come complain

→ We urge them to file reports with the DCI

→ Most fear that process

→ Intensive awareness on SM

→ Release ~~no~~ statements

⑤ What do you think of our solution? Is it feasible?

- It's a good idea
- Would really help students.
- Though he wishes students were educated more about these scams
- Wished
- More beneficial if we are to test it <sup>build</sup> for social media
- Actively looking for viable solutions



Save +25411

Saving this number will add a new contact



Report spam

Add contact

Reminder: Kindly note that to validate your 2025/2026 loan and scholarship application, you are required to send KES 100 to Paybill 247247 (Account:

26th August 2025. Track your application status at [www.hef.co.ke](http://www.hef.co.ke).



Tap to load preview

Link previews are on.  
Learn more or turn off in Settings.

Bravo!

Your 2025/2026 Undergraduate Subsequent Loan and Scholarship application (Serial [REDACTED]) has been received.

To confirm your application and verify your mobile number for a smooth Semester 1 funding process, kindly send KES 100 to the paybill 247247 and



HELB



Dear Velma. Your tuition loan award of Ksh.15117 (Batch 6406) has been disbursed. Check with student finance office. Dial \*642# to self-serve.

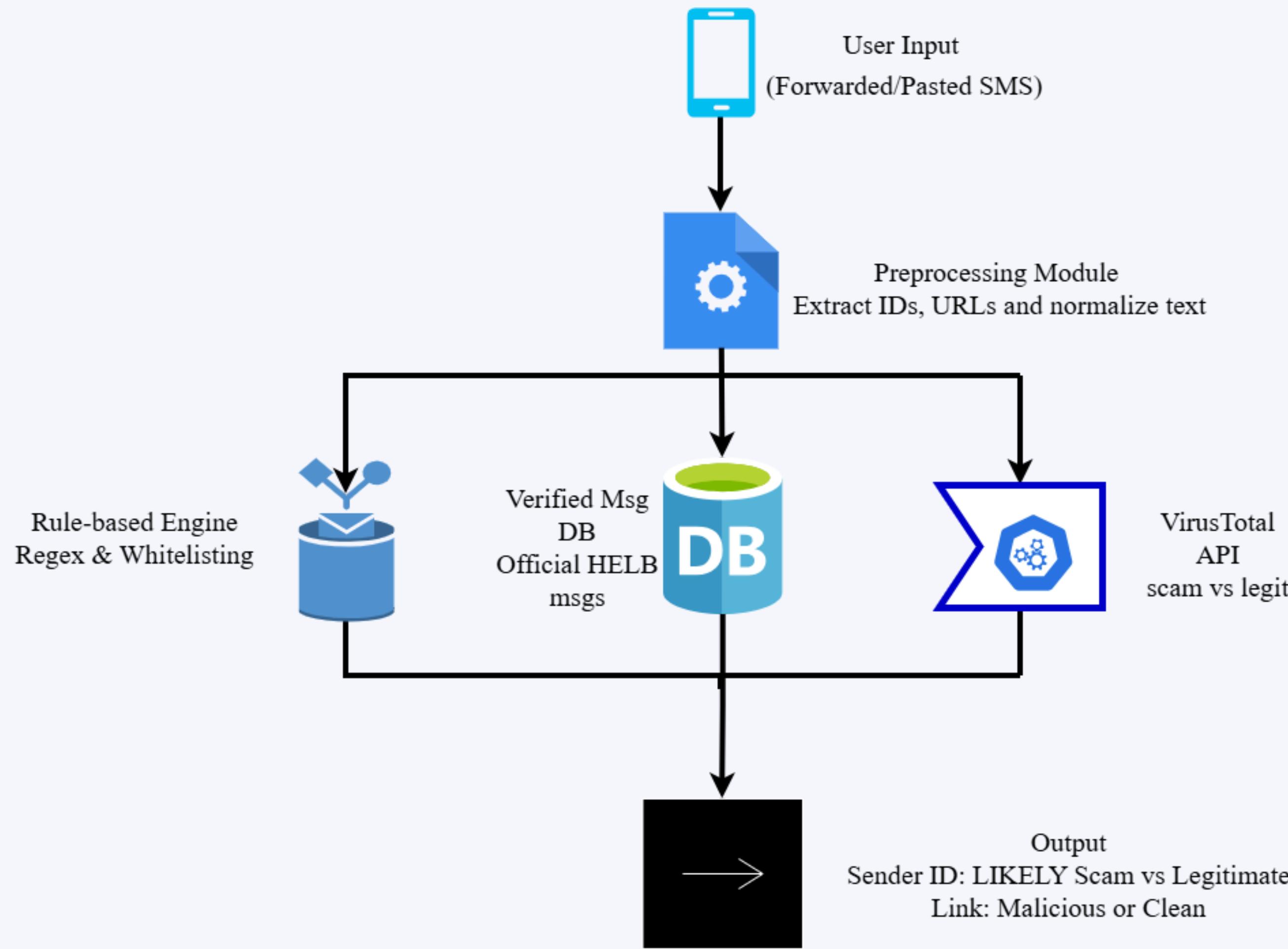
Unread

14:57

Hello. Kindly note that your son/daughter's Higher Education Loans Board upkeep loan has been paid.

A message on amount disbursed

# Solution



# **Responsible Computing**

Data privacy.

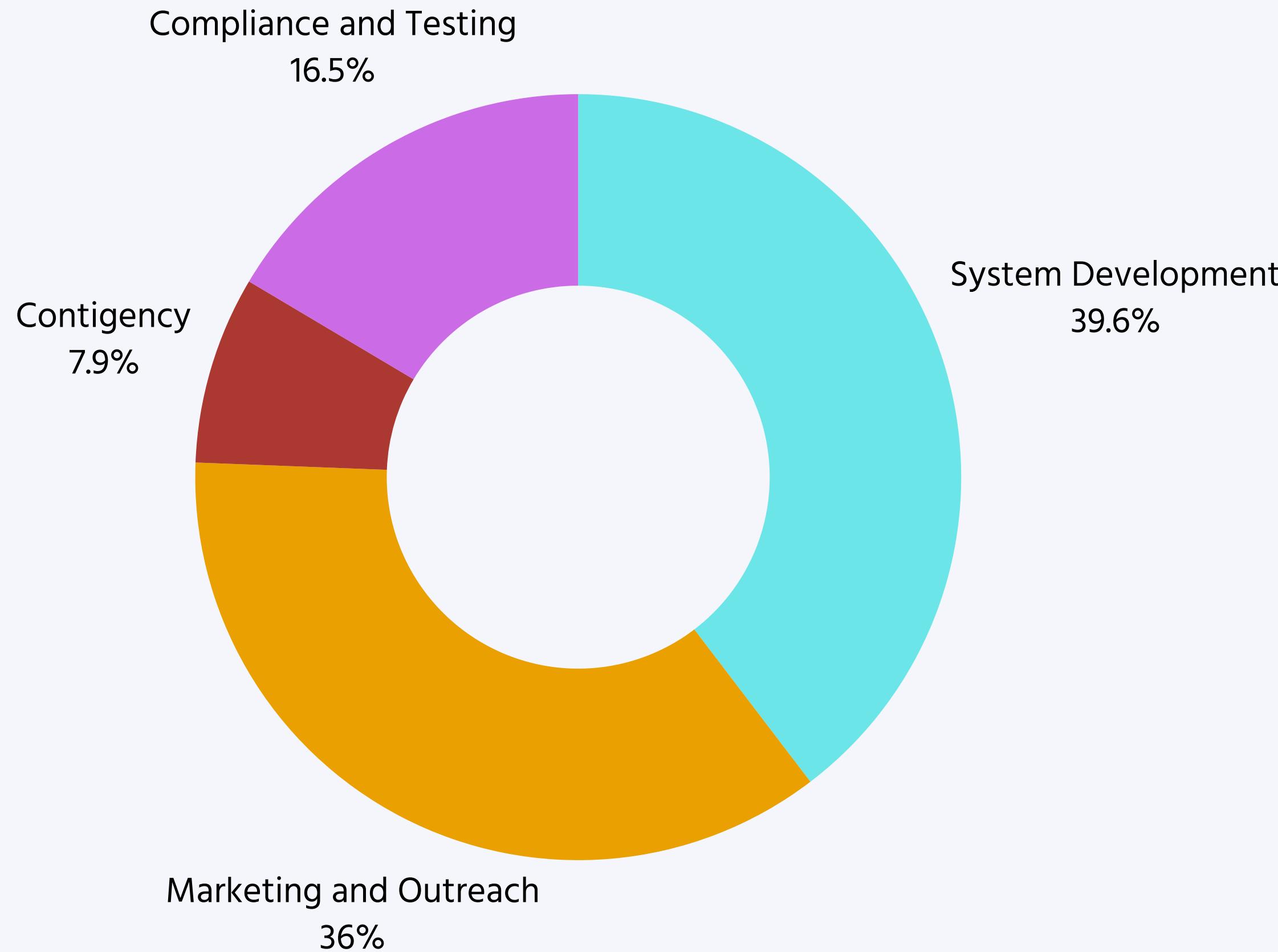
Transparency.

Accessibility.

# Business Model

Entity	Model	Explanation
<b>Students</b>	B2C Freemium & Premium	Freemium → Sender ID verification Premium → Link verification, text semantics
<b>Learning Institutions</b>	B2B Premium	Platform access and training
<b>Digital lending applications</b>	B2B Premium	API access for their clients to verify messages

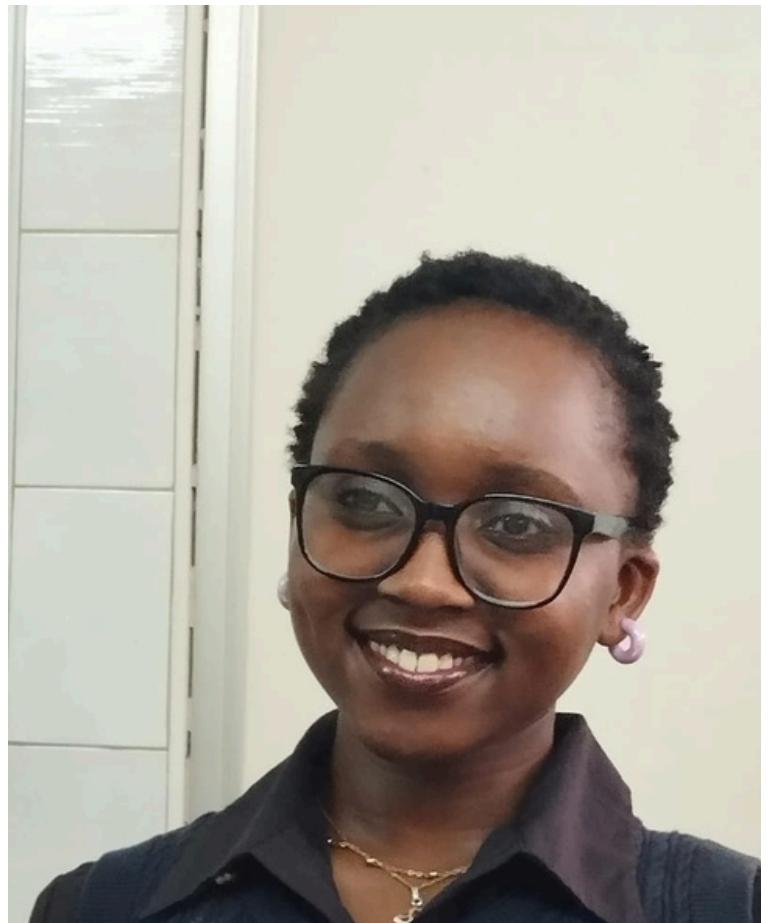
**Amount needed to pilot  
1,928,000**



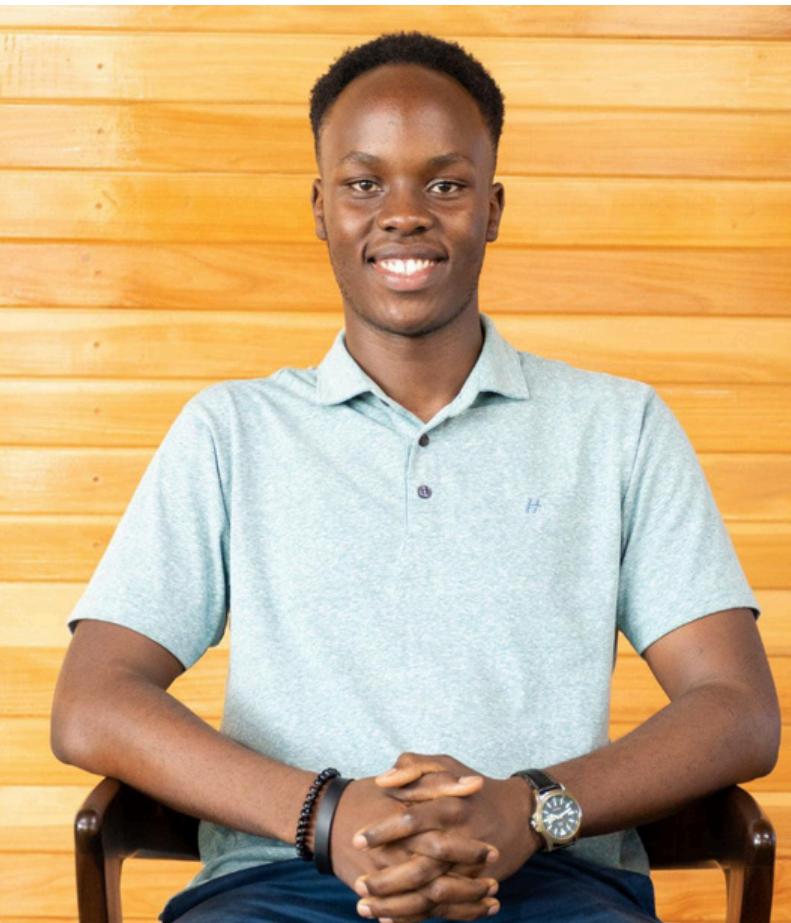
## Value Proposition

We protect HELB beneficiaries from falling victim to smishing scams by verifying authenticity of messages.

# Team



Bridgette Musango  
Team Lead & Network  
Security Engineer



Augustine Chironga  
Software Engineer



Victor Mwai  
Security Analyst



Norah Kimathi  
AI Engineer and  
Documentor



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