



# Ox64 Private Blockchain

- 1.WHO
- 2.WHY
- 3.WHAT

# Team Tasks

## **Feziwe Melvin Shongwe**

HCI & SE  
- Leadership activities

## **Vimbai L Magodyo**

HCI & SE  
- Leadership activities

## **Lihle Dukwana**

SE & HCI  
- Research

## **Ethan Lourens**

HCI & DB  
- Research

## **Langrinn Ndumo**

SE  
Implementation (UX)

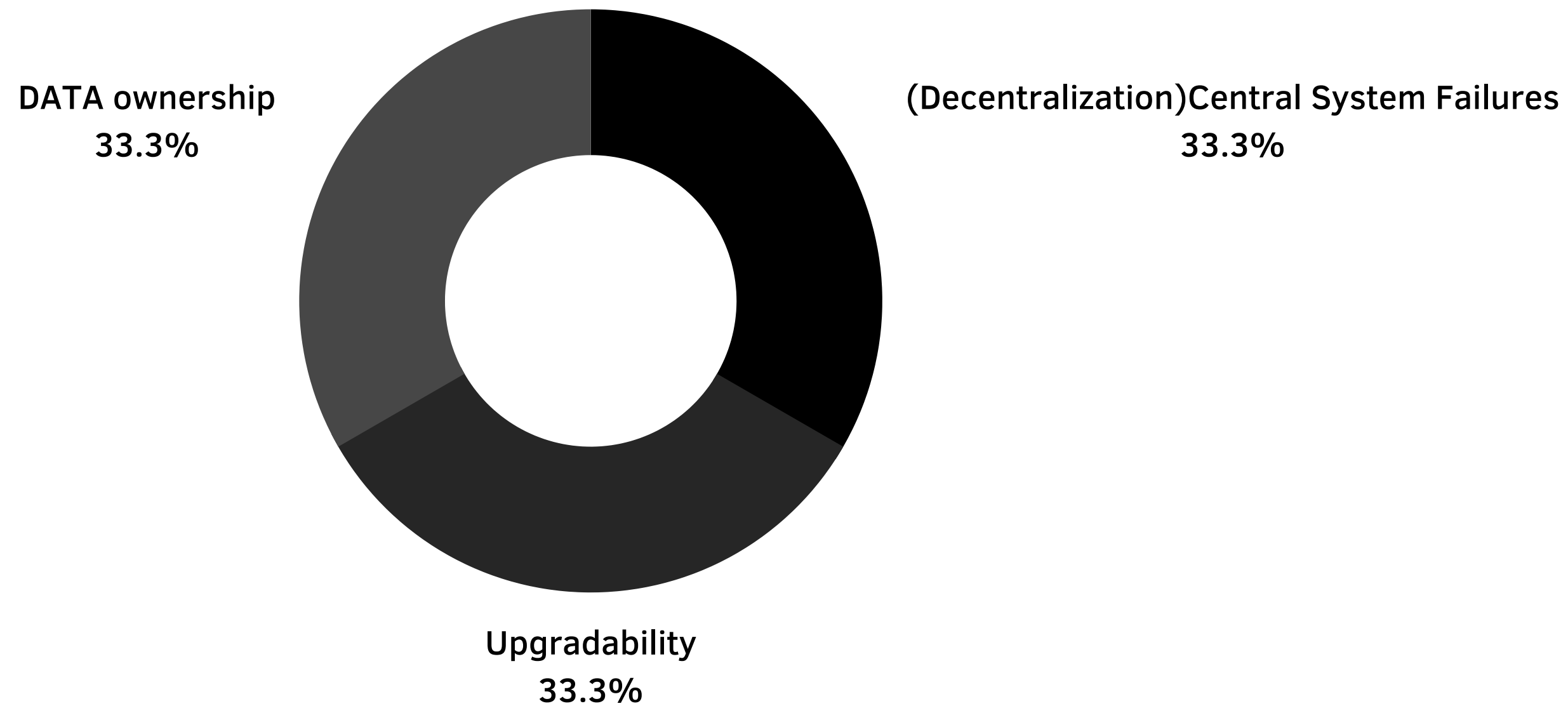
## **Thandile Nododile**

DB & SE  
Implementatoin (Back-end & UX)



# Human Social Interaction

*"To better system, don't only update but create a groundbreaking system that makes the existing system obsolete"*



# GUI FORMATION- UX

## Conceptual Model

- Human-Computer Interaction
- Interface metaphor

(Data model, Logical - ERD & usecase diagram)

# TESTING & DEVELOPMENT

DESIGN THINKING  
PROCESS



INTERVIEW



LIVE network - Friends & Colleagues



USER FEEDBACK

e.g. Simple and nice interface, Network becomes slow after prolonged connection



Re-designed

# Software Engineering

## Software Quality

- Usability & Portability
  - Functionality & Maintainability
- e.g. Security test (DDoS, Timejacking & Attacks on cold wallets)

## Process model

- Agile

# Database

## RocksDB

- Persistent key-value storage
- fast computation(block addition)

## HashMap mechanism

- Account address ~ metadata

# Technology Stack

- GitHub & Git version control
- ReactJS & Node npm
- Substrate framework
- Google doc, ZOOM & WhatsApp
- Rust & JavaScript
- Diagrams.net & canva.com
- Adobe After Effects

