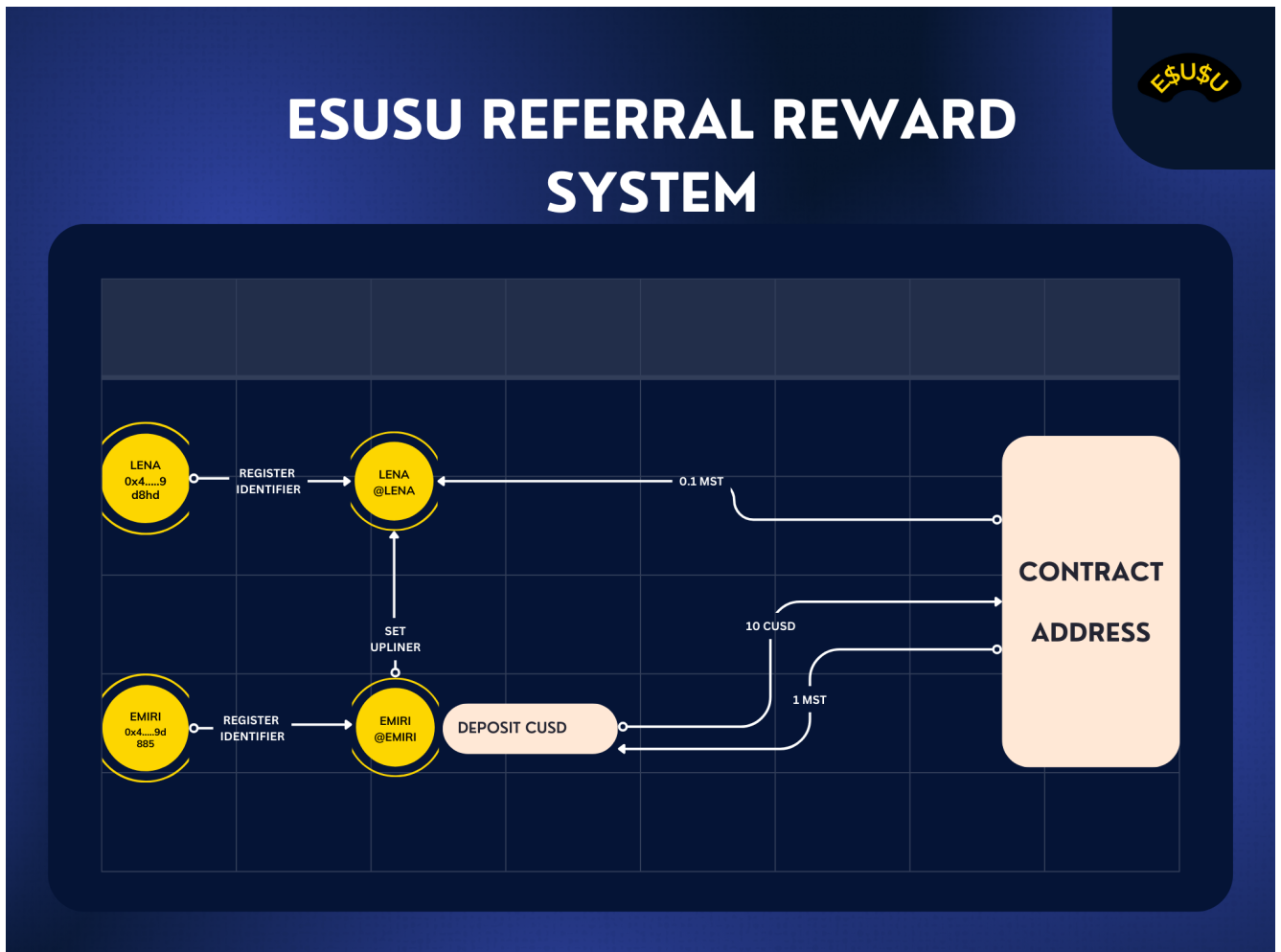


ESUSU

THIS HACKATHON

- We implemented a referral feature to reward users who tell their friends about our solutions
- This creates an upliner and downliner relationship
- When a downliner makes a deposit,
 - downliner earns 2 MST token
 - upliner earns 1 MST token as referral reward



Summary of Milestone

1. Redefining the reward structure
2. Improving UI/UX
3. Rewriting smart contracts
4. Deploying in foundry as well as verification
5. Writing test for the smart contract

6. Adding user referral reward features
7. Implementing social connect login for Twitter and GitHub

Overview

ESUSU is a decentralized application (DApp) built on the Celo Mainnet that facilitates stablecoin contributions through a collective savings model known as Esusu in many African communities. The DApp allows users to create and join campaigns, contribute funds, and track campaign details transparently on the blockchain.

The dApp is a 3 in 1 solution to solving issues related to financial inclusion and poor savings trend. the sections are

- Esusu thrift contribution => % users join a contribution campaign where they pool their funds every month for 5 months . For every month a unique user takes home the total contribution giving everyone access to bulk money which naturally they couldn't have saved up. This also eliminates the need to borrow money for funding big projects.
- Esusu piggy box => Funds are locked up over time so that users no longer have access to them. They earn MST tokens for locking up funds but lose these tokens if they decide to break the lock.
- Esusu pay bills => users can pay for their utility and also make donations to their various projects.

Technologies Used

- **Frontend:** Next.js, Tailwind CSS, Typescript
- **Backend:** Solidity, Ethereum blockchain
- **Smart Contracts:** Foundry
- **Deployment:** Alifajores (present deployment for the hackathon)
- **Contract Address:** Alifajores 0xdFa504C66e22A07f42C5616c873829cBCcee38cd
- **Tokens:** MST MiniSafe Token as reward for locking up funds for both depositor and the upliner who referred.

Setup Instructions

1. Clone the repository:

```
git clone https://github.com/emiridbest/esusu2.git
```

2. Install dependencies:

```
yarn install
```

3. Start the development server:

```
yarn run dev
```

4. Visit `http://localhost:3000` in your browser to view the application.

Usage

- Create an account or connect your Celo Minipay wallet.
- Go to the `site tester` in minipay
- Enter <http://esusu-two.vercel.app>
- **Esusu Referrers**

1. Connect your social account(GitHub fully implemented)
2. Add `upliner` by entering the `github` username of the user who referred you
3. Go ahead to make a deposit

Architecture in the `react-app` folder

```
/pages includes the main application components (specifically index.tsx and
  _app.tsx includes configuration
  index.tsx is the main page of the application
/components includes components that are rendered in index.tsx
  Balance.tsx to return your `cUSD` wallet balance
  SocialProfile.tsx to return profile details of the connected user
  SocialConnectUI.tsx to signIn, signOut of sessions and also `register`
  TransactionList.tsx to return transaction history on `cUSD` tokens of
/SocialConnect includes helper files
  /abis hold contractABI for various socialConnect protocol
/public includes static files
/utils
  abi.ts hold smart contract's `ABI` and `Address` of the `timelock` and
  esusu.ts hold `ABI` and `Address` of the `thrift` feature logic
  pay.ts hold `ABI` and `Address` of the `utilityBills` payment feature lo
```

Contributing

Contributions are welcome! Please follow the standard GitHub flow:

1. Fork the repository
2. Create a new branch (`git checkout -b feature/<feature-name>`)

3. Make your changes
4. Commit your changes (`git commit -am 'Add new feature'`)
5. Push to the branch (`git push origin feature/<feature-name>`)
6. Create a new Pull Request

License

This project is licensed under the [MIT License](#).

ESUSU

Harnessing the Power of Community Savings

Present By
Dr Emiri Udogwu



PROBLEM

Issue: Reduced access to financial services and poor savings habit



Problem 1

There has been a gradual decline in saving practices and financial discipline



Problem 2

High non-performing loan ratios, rising household debt across Africa.



Problem 3

Nigeria has yet 64% (of the adult population) currently un(der)banked

SOLUTION

Esusu addresses these challenges by providing a digital platform that promotes community-based savings, fosters trust, and empowers users to take control of their financial futures.



Solution 1

- Organised pooling of funds



Solution 2

- Time-locked savings



Solution 3

- Streamlines bill payment process

PRODUCT AND SERVICE



PRODUCT 1

Esusu Thrift
Contribution

PRODUCT 2

Esusu Simple
Saver

SERVICE

Esusu Utility Bills
Payment

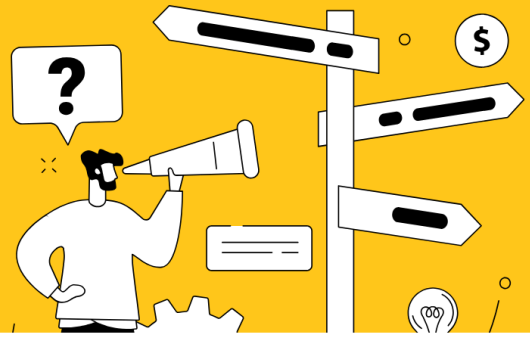
USER STORY

- Meet Nurse Chinwe, A 25 year old theatre nurse with dreams of migrating to the UK with her 4 other besties.



- With the help of the Esusu app, she was able to save up funds for her IELTS and CBT exams during her internship.
- Now face with the uphill battle to fund her travel cost and other paper work.
- She discovers the new Esusu thrift feature.
- She tells her friends about and the got interested. She onboarded them into the platform at once and the started the contribution of \$500 each.
- With the contributions, Nurse Chinwe relocated to the UK successfully.
- A month later, Benita did, then Blessing and then brenda also relocated thie month.
- By next month Chinaza will be relocation with the proceeds fromn the contributions.

ROADMAP



**August
2024** ✓

MVP launch

**September
2024** ✓

Smart Contract
Audit

**November
2024** ✓

Funding Round

PITCH DECK

PAGE 5

TARGET MARKET



Target Market 1 Underserved Communities:

Individuals/communities with limited access
to formal banking services.



Target Market 2 Professionals:

Individuals/communities looking tools to
manage their finances

PITCH DECK

PAGE 6

SIZE OF MARKET



650 Million

TARGET POPULATION SIZE

150 Million

CUSTOMER BASE

8.9 Billion

APPROXIMATE CAP

BUSINESS OR REVENUE MODEL



1 Transaction fees tailored to
on-ramp and off-ramp activities

2 Tokenomics

3 Penalties for breaking timeLock

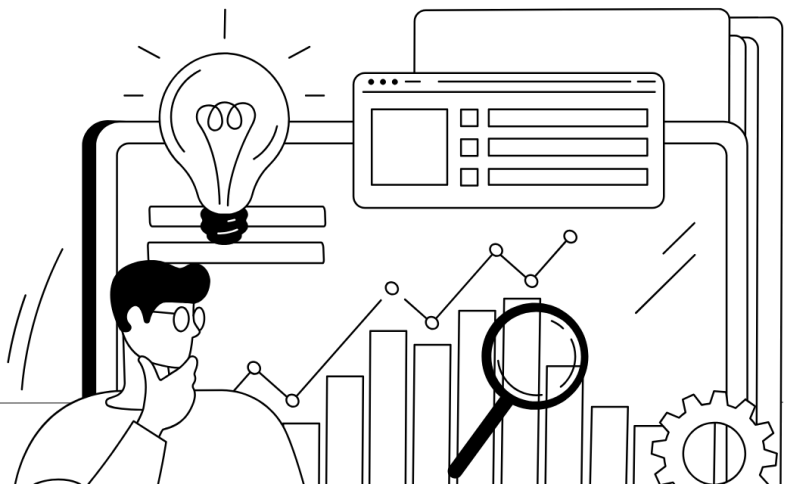
COMPETITOR

- Local Cooperatives
- Cowrize
- Piggy Vest

ADVANTAGE

- Use of stable coins
- We are onchain, so more transparent incentive
- Web based on the mini pay browser so no need for app update to access new features

THANK YOU



CONTACT US



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