

DESIGN THINKING: BLOCKCHAIN TECNOLOGY

INTRODUCTION: WHAT IS BLOCKCHAIN TECHNOLOGY ?

Blockchain technology is an advanced database mechanism that allows transparent information sharing within a business network. A blockchain database stores data in blocks that are linked together in a chain.

Blockchain technology eliminates the need for a trusted party to facilitate digital relationships and is the backbone of cryptocurrencies.

EMPATHY

We interviewed Mr Danush, who expert at trading. During the interview session, we asked about his personal information for us to identify the real problems and gather information about his problems and needs.

INTERVIEW



DEFINE

We have been through brainstorming and identified that money theft is a problem that many blockchain technology users face. There are a lot of users who are getting scammed by various brokers or by some people they trust to give their information. These are the problems mainly faced by newcomers to blockchain technology.

PROBLEM

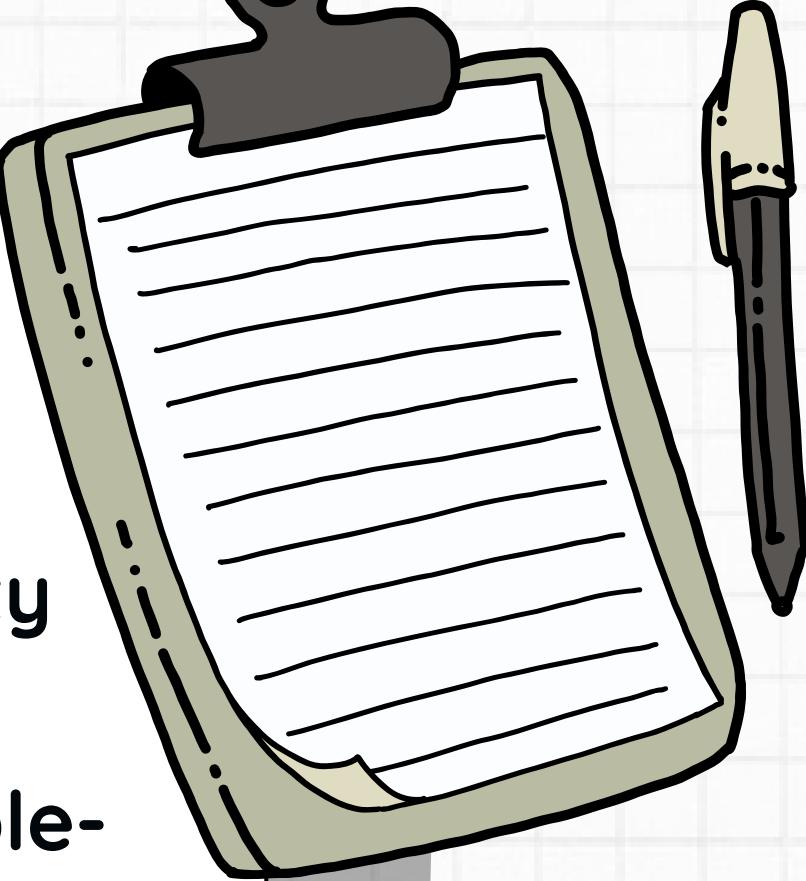
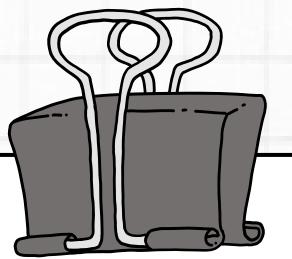
Following the interview, it became evident that the user faced problems with money theft during transactions on a trading application.

Additionally, the user fell victim to scams, receiving deceptive emails, messages, or links posing as authentic trading platforms.

Unaware, users ended up disclosing their login details on these fraudulent sites, allowing attackers to steal their information.

IDEATE

Based on the problem, we decided to develop an app that will keep personal details safe and secure. It is secured with biometric scanning and an OTP number, and it also releases the bank statements after every transaction.



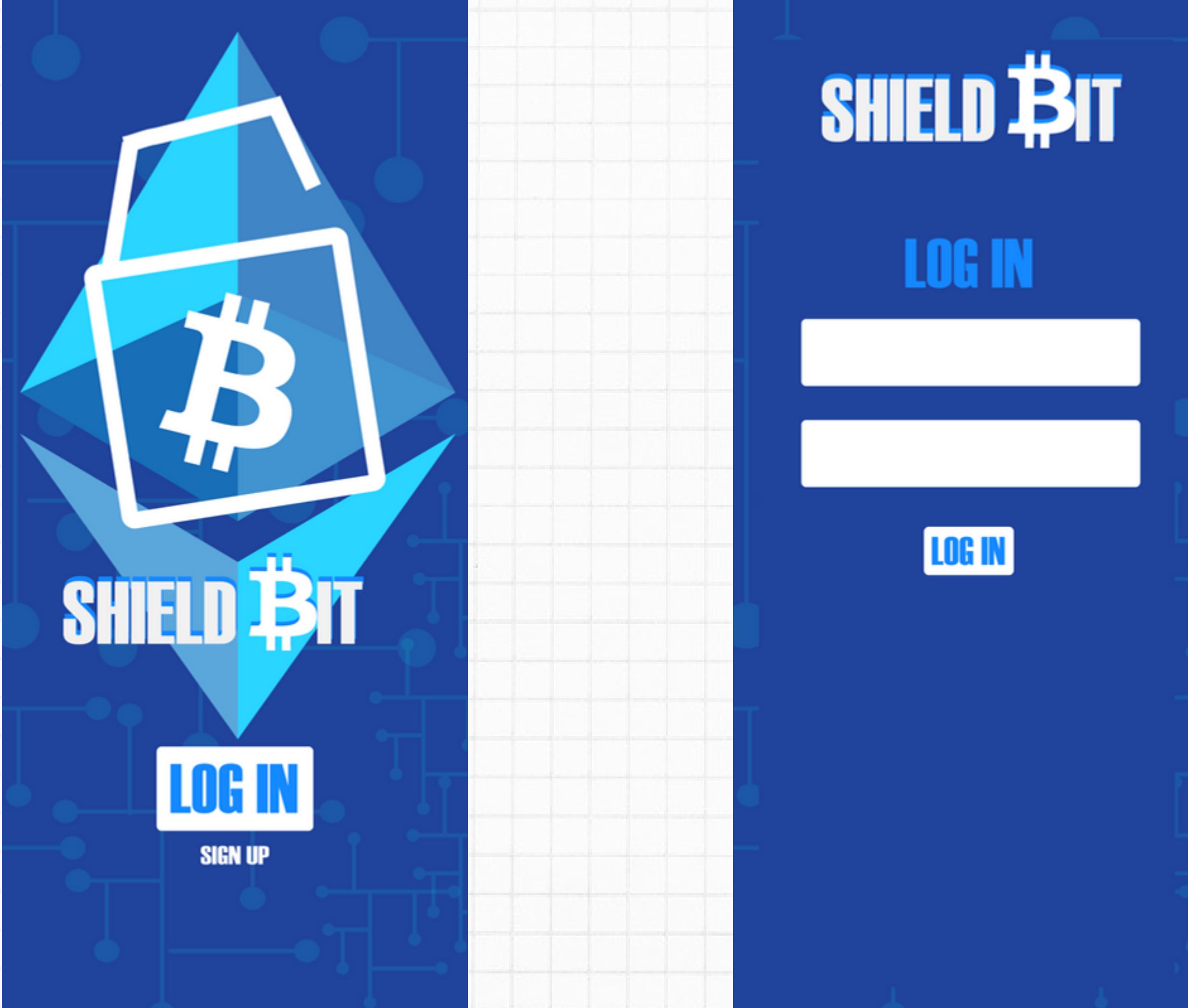
SOLUTION

- After the discussion, we decided to develop a third-party app. Each time a user initiates a transaction, they will receive an OTP on their device. This functions as a double-step verification to ensure stronger protection against unauthorized access to user accounts. Additionally, users can utilize biometric verification, such as thumbprint or face ID, for logging in. This provides added security and safeguards against money theft. The app can also detect scam messages and alert us if someone tries to log in from another device. This app is designed not only for security but also to check current trading statements, making transactions more convenient.

— PROTOTYPE —

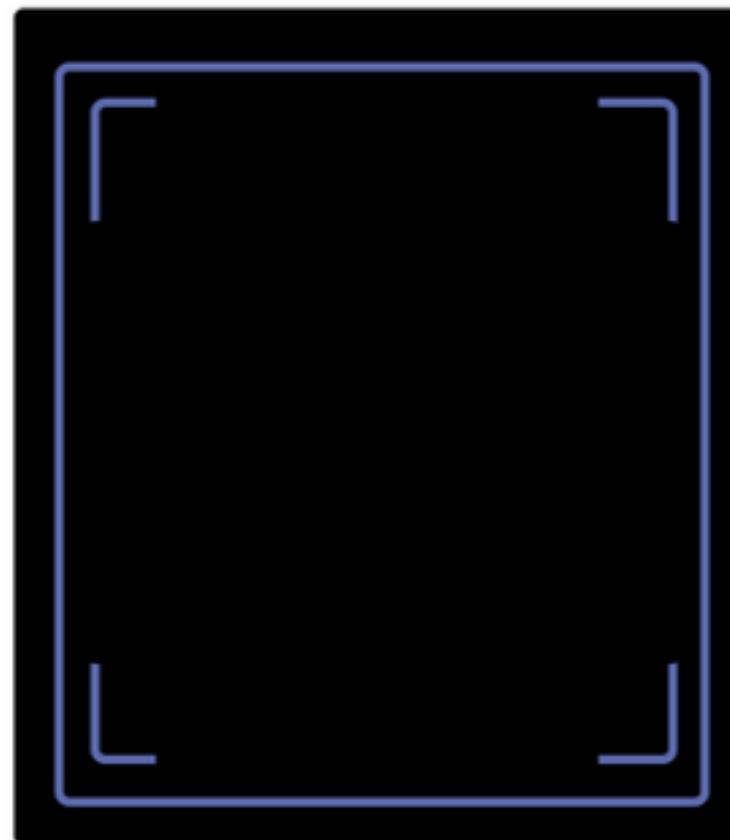
SHIELD BIT

- ShieldBit is a third party security app that allows the user to save and withdraw their e-currency similar to a bank account but with extra precautions
- ShieldBit uses high level security protocols to ensure that user's E-Currencies are being guarded using unique OTP codes and biometric security to prevent hackers from gaining access



SHIELD BIT

Biometric scan



SHIELD BIT

OTP KEY

ENTER

SHIELD BIT

\$3053940.00

100 Bitcoin

BUY • WITHDRAWAL

BITCOIN ETHERIUM LITECOIN DOGECOIN

STATISTICS

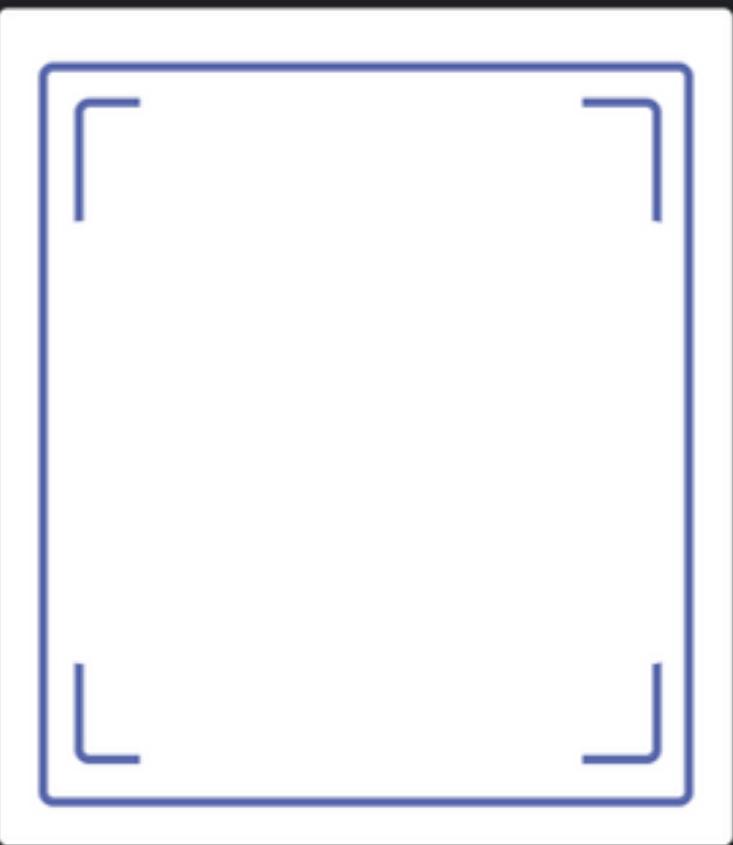


1 DAY 1 WEEK 1 YEAR

BITCOIN ETHERIUM LITECOIN DOGECOIN

SHIELD BIT

Biometric scan



SHIELD BIT

OTP KEY

ENTER

SHIELD BIT

\$3053940.00

100 Bitcoin

BUY • WITHDRAWAL

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STATISTICS

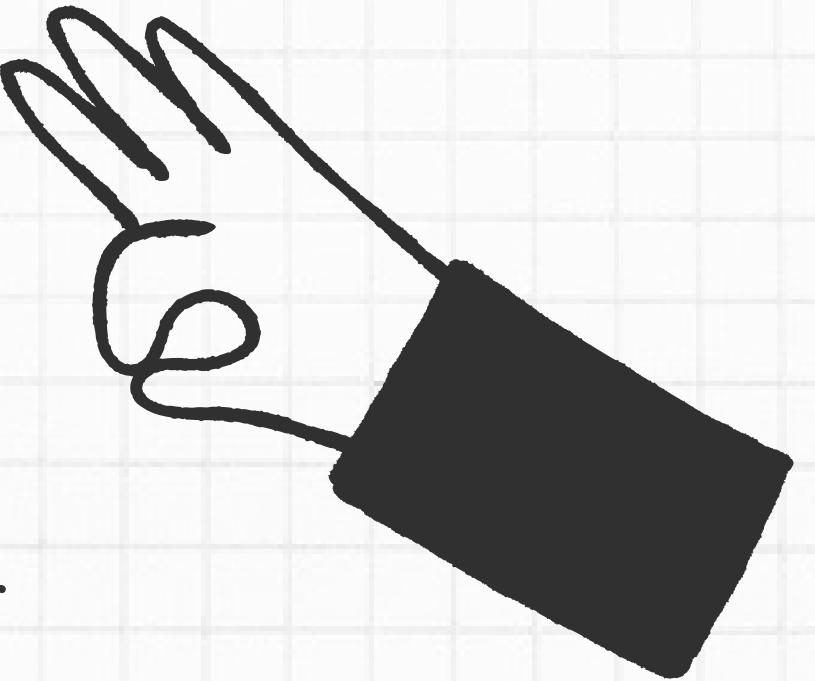


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TEST

The test conducted with Mr.Danus was showing how our prototype would function and asking him for feedback to further improve upon our prototype



TEAMWORK

Chapter 1

Once the assignment was given, our group leader, Dheshieghan, organized us into different roles. Dheshiengan took charge of the interview, Pravinraj was responsible for preparing interview questions and conducting the shoot, and Asyraf was assigned to edit the interview video. Afterward, Alif and Dheshiengan worked on the content of the report, while Asyraf and Pravinraj collaborated on building a prototype for the trading application using blockchain technology.

During the design thinking process, we encountered various challenges. The main hurdle was finding a suitable time for the team to meet and discuss the design thinking, as everyone had different commitments after class. Additionally, we struggled to locate an ideal meeting place due to noisy environments that often disrupted our focus. Despite these challenges, we persisted as a team, supporting each other to complete the assignment. Fortunately, each team member was dedicated and helpful, resulting in the successful creation of a comprehensive report and videos.

**THANK YOU
VERY MUCH!**

