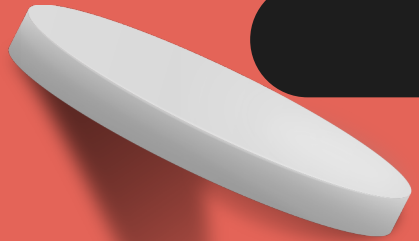
University of Basel

Center for Innovative Finance

DECENTRALOAN

The Metaverse Lending Platform

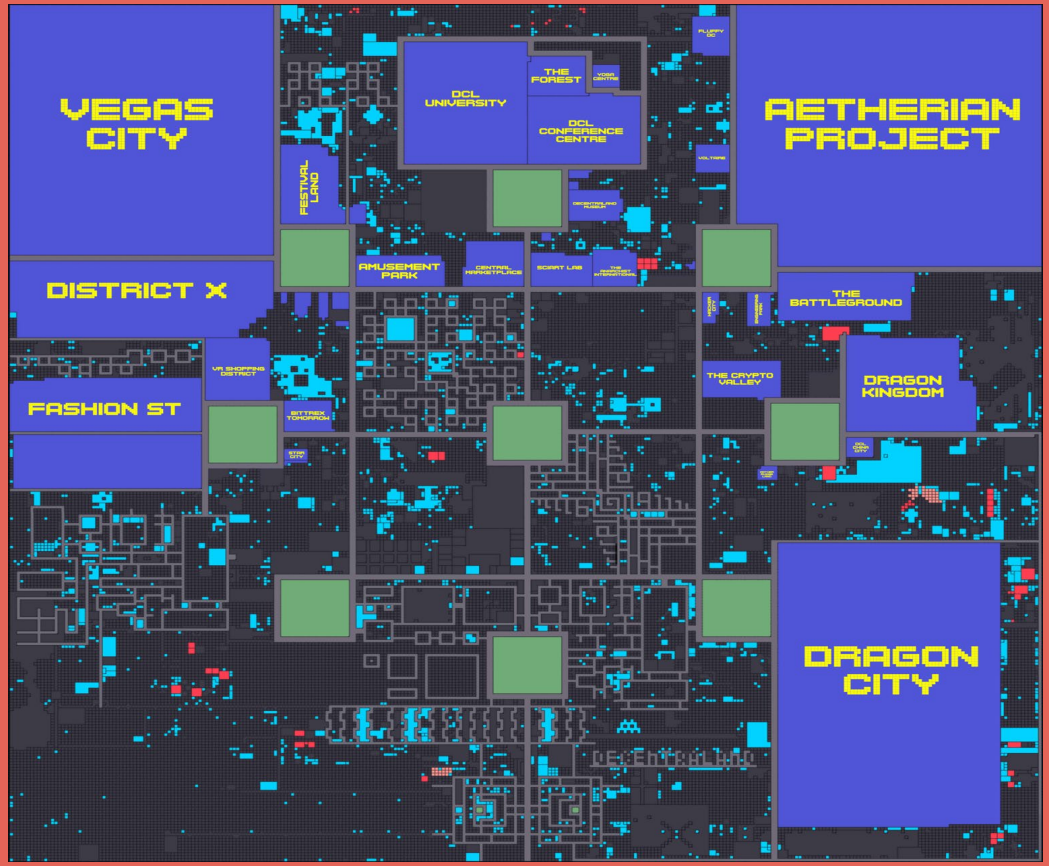


BLOCKCHAIN Challenge

1

Decentraland

LANDs as NFTs



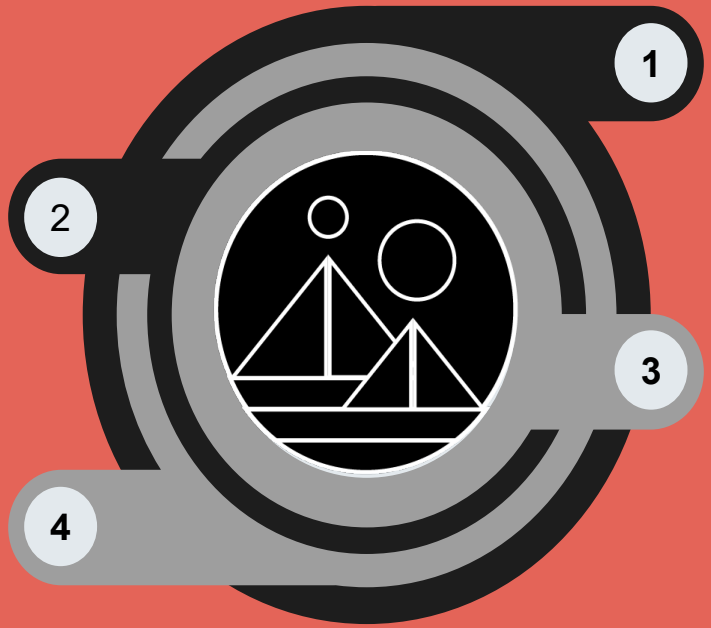
EY

EY

2

Problem Statement

Problem Statement

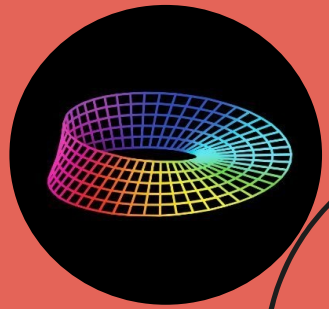


1. Want to use LAND parcels from Decentraland to use as collateral for decentralized Loans
2. Valuation of LAND parcels in Decentraland
3. Smart Contract that provides a lending market
4. Front-End Mockup that shows the main interactions

Existing DeFi Platforms

Liquid asset platforms

NFT lending platforms



3

Proposed Solution

Stakeholders

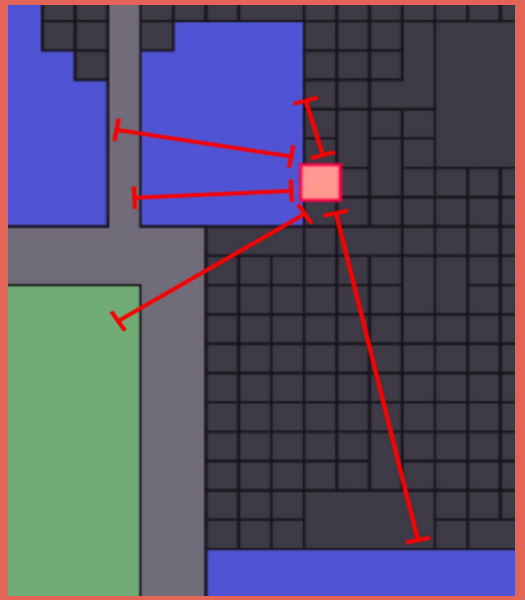
NFT Holder

Lender

Liquidator

Valuation of LAND parcels (NFTs)

1. Distance from city center
2. Distance from plaza
3. Distance from road
4. Distance from district



4-Basket floor price system

Low(0-25)

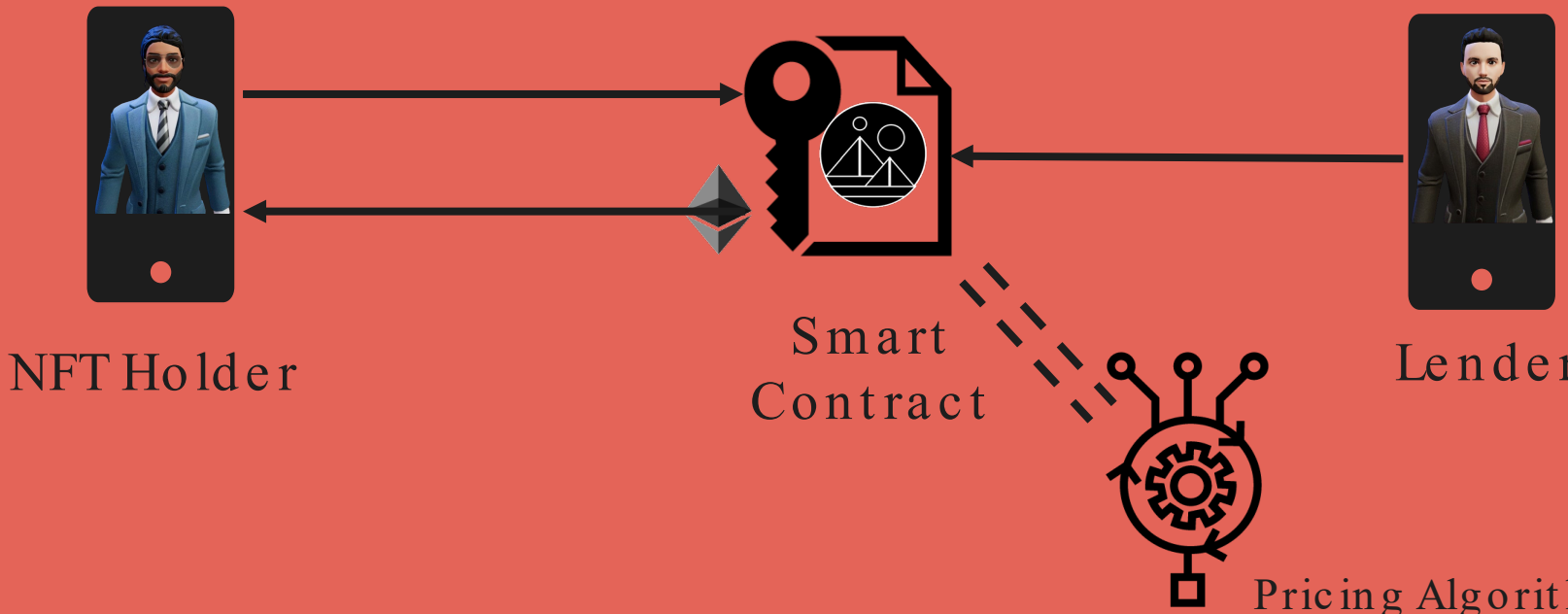
Medium(26-50)

Scoring based on characteristics and weight assigned to them

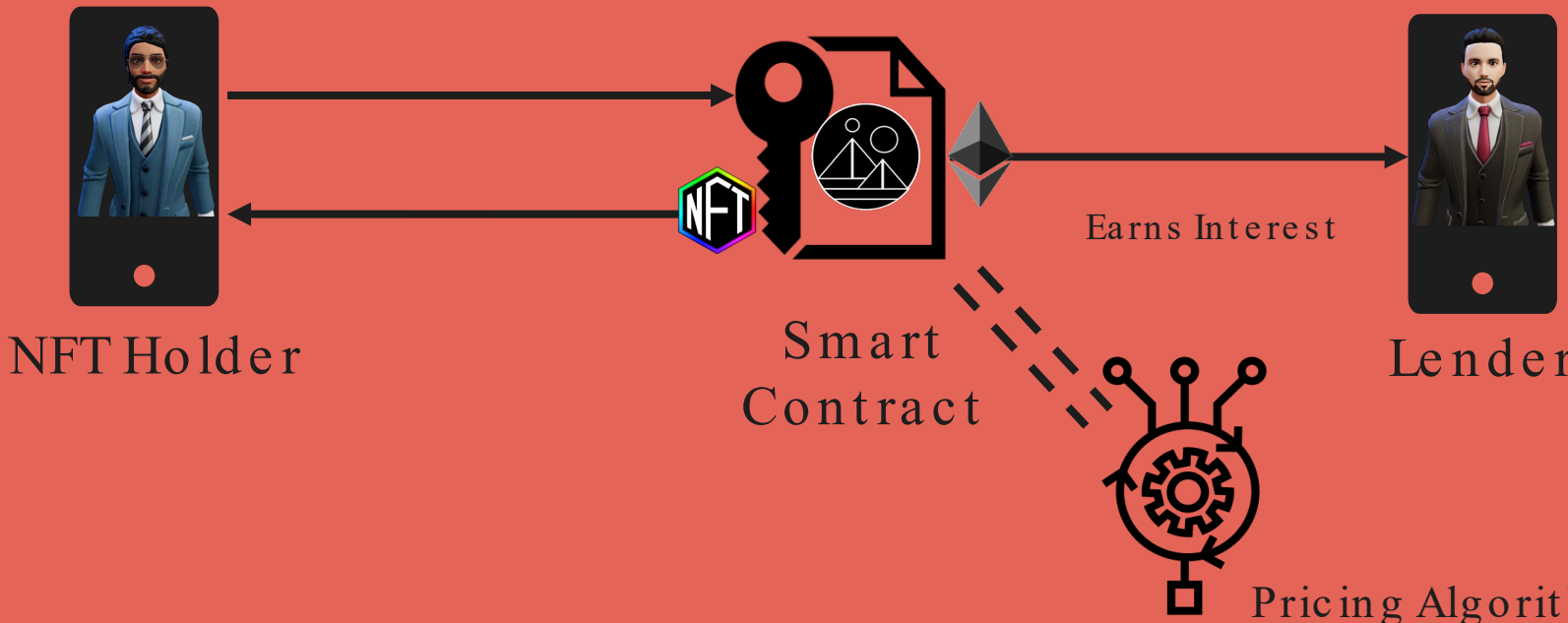
High(51-75)

Very High(76-100)

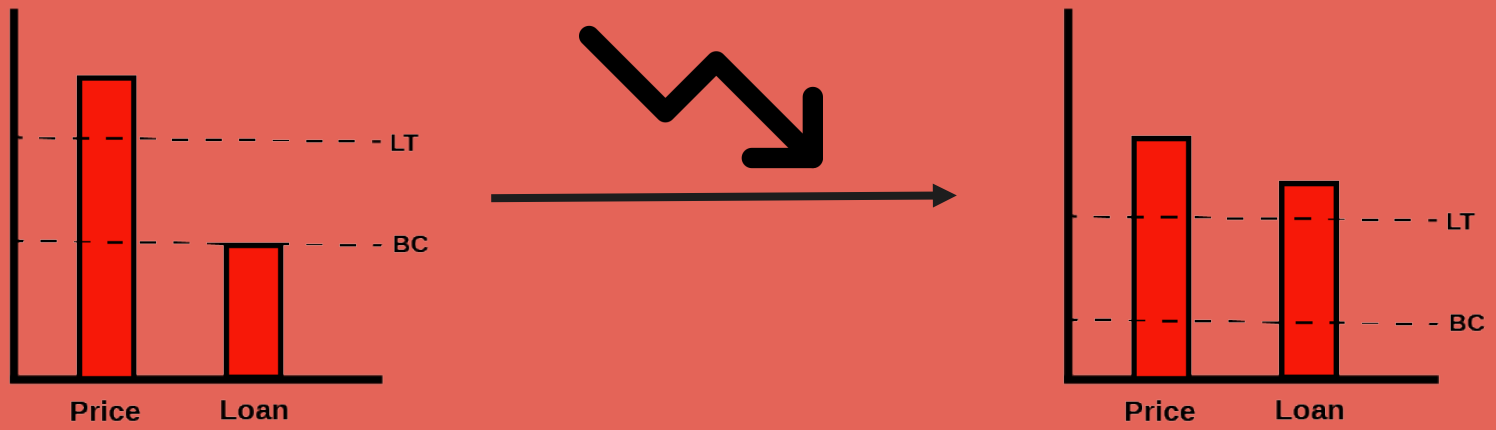
Project Workflow:
Deposit and Borrow



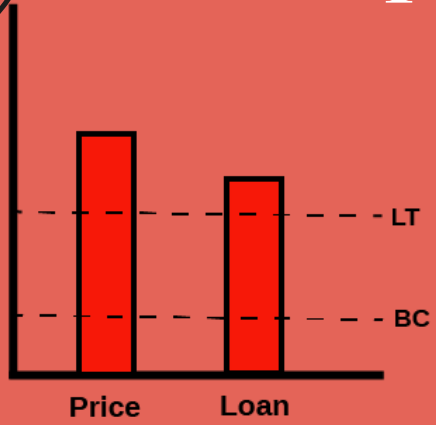
Project Workflow:
Loan Repayment

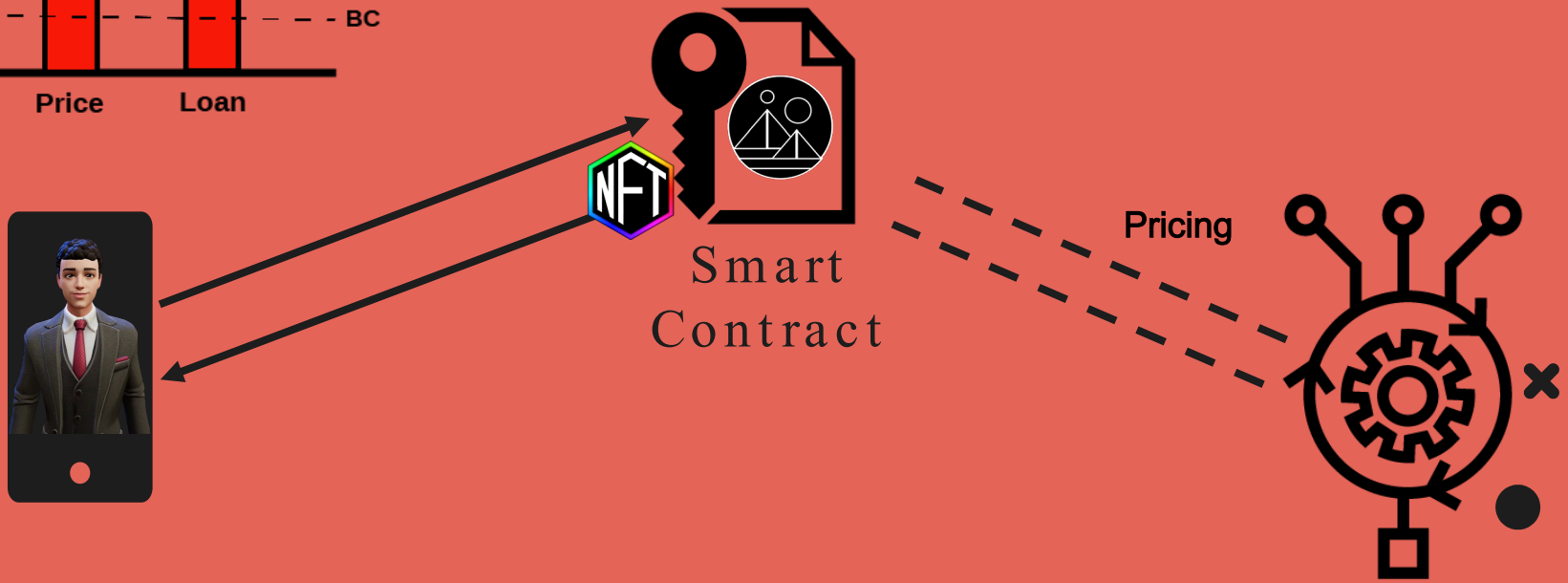


Project Workflow:
Liquidate



Project Workflow:
Liquidate





4

MOCKUP

DecentraLOAN
Borrow
Invest
Your Account
Repay Loan:
Enter Amount
Repay
Previous Transactions
Withdraw Liquidity

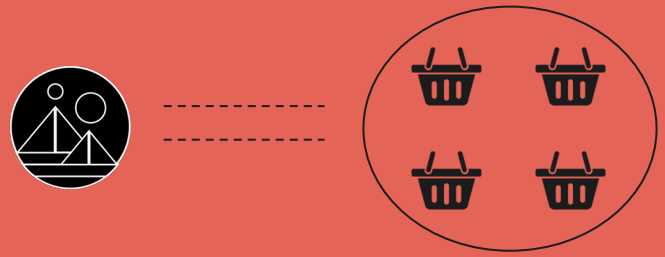
5

Conclusion

Overview

1

2



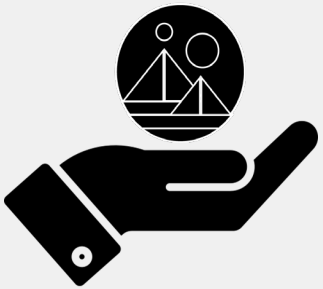
3

Incentives for participants(LAND holder, Lender and Liquidator)

4

Smart Contract and a Visual Mockup

THANK YOU



5

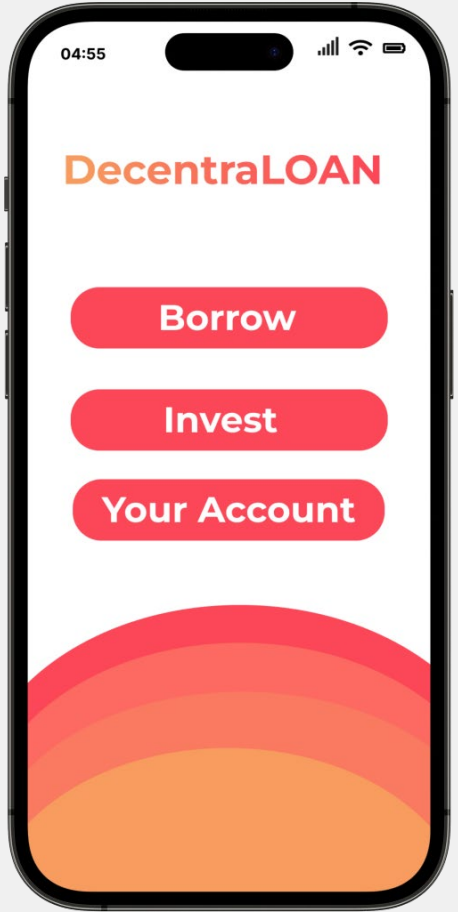
Annexure

ANNEX

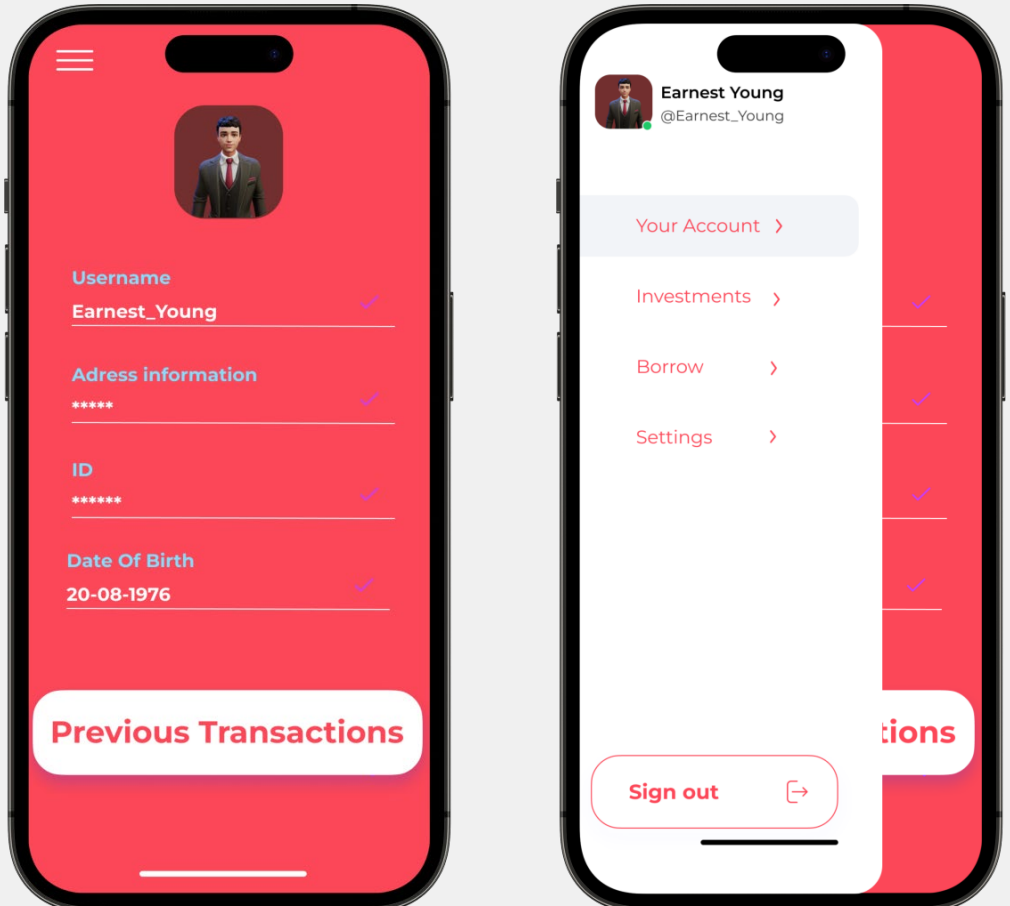
DecentraLOAN
Borrow
Invest
Your Account
DecentraLOAN
Borrow
Repay Loan:
Borrow
Borrow
Borrow
Repay
Previous Transactions
Investments
Withdraw Liquidity
Investments
Deposit Liquidity
Withdraw Liquidity
Sign out

ANNEX

04:55
DecentraLOAN


04:55
DecentraLOAN
Borrow
Invest
Your Account

ANNEX


Username
Earnest_Young
Adress information
*****
ID
******
Date Of Birth
20-08-1976
Previous Transactions
Earnest Young
@Earnest_Young
Your Account
Investments
Borrow
Settings
Sign out

ANNEX

9:41
Investments
18.5
Basket 1
3.5 ETH
Basket 2
5ETH
Basket 3
6.4 ETH
Basket 4
4.6 ETH
Deposit Liquidity
Withdraw Liquidity
9:41
Investments
18.5
Basket 3
Total Earnings 0.5 ETH
Annual Interest 6%
Liquidation Threshold 40%
Borrowing Capacity 55%
Utilisation of the Pool 90%
Withdraw Liquidity

ANNEX

Earnest Young
@Earnest_Young
Your Account
Investments
Borrow
Settings
Sign out
9:41
Borrow
10.17 Total
4.63 Borrow Capacity
5.54 Current Loan
Borrow
Repay
9:41
Borrow
10.17 Total
Repay Loan: 5.54
Enter Amount
1 2 3
4 5 6
7 8 9
, 0
Repay