CROWDFUNDING PROJECT

BEGINUP

BLOCKCHAIN FINAL PROJECT

FARKHAD IMANBAYEV   TIMUR BIZINSKIY   MENDEKE SEYITBAEV

PROBLEM

Many beginner developers have ideas, but they have no trust and no support. People also do not trust crowdfunding platforms because everything is centralized. Our project solves this problem using blockchain and smart contracts.

OUR SOLUTION

BeginUp is a decentralized crowdfunding platform. All campaigns, donations and rewards are stored on blockchain. Smart contracts control the logic, so everything is transparent and automatic.

HOW IT WORKS

How **BeginUp** Works

A DEVELOPER CREATES A CAMPAIGN WITH A GOAL. USERS CAN SUPPORT THE PROJECT BY SENDING TEST ETH. WHEN A USER CONTRIBUTES, THE SYSTEM AUTOMATICALLY GIVES REWARD TOKENS TO THE GMAIL.

TOKENIZATION

BeginUp Token (BGP)

Our project uses a custom **ERC-20** token called **BGP**.

This token has no real monetary value and is used only for education.

Tokens are minted automatically when users participate in a campaign.

Only the crowdfunding contract can mint **tokens**.

SMART CONTRACTS

We use two main smart contracts:

The first one is BeginUpCrowdfund, which manages campaigns and donations.

The second one is BeginUpToken, which is an ERC-20 reward token.

ARCHITECTURE

The project has three layers:

1.Client side is a simple web interface.

2.MetaMask connects the user to blockchain.

3.Smart contracts work on a local Hardhat network.

TEST ETH

- We don't use real cryptocurrency.

- The project works only on a local Hardhat network.

- Test ETH is generated automatically by Hardhat accounts.

CONCLUSION

BeginUp demonstrates core blockchain concepts:
smart contracts, tokenization and decentralized logic.
The project is **transparent**, **simple** and **educational**.

Thank you for your attention.

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