



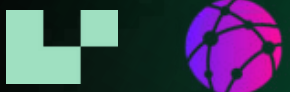
Voting Enhanced Web3D Crowdfunding DApp on Unito

GET STARTED →

Project Overview

This Web3D crowdfunding DApp allows users to securely create and manage fundraising campaigns on Unit0 blockchain.

- Campaign owners set goals, describe causes, and set deadlines.
- Contributors provide funds using UNIT0 tokens.
- Smart contracts handle fund management and prevent misuse.
- Contributors can request refunds if campaigns fail.



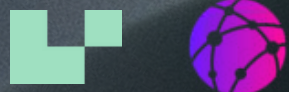
Features

- Create a Campaign
- View Active Campaigns
- Fund Campaigns
- Manage Spending Requests
- Vote on Spending Requests
- Withdraw Funds
- Refund System



Technologies

- React.js – Frontend framework
- Ethers.js – Blockchain interactions
- Solidity – Smart contract language
- MetaMask – Wallet authentication
- Unit0 Blockchain Network – Smart contract deployment



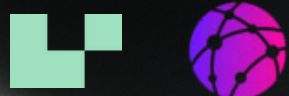
Setup Instructions for Non-Developers

1. Add Unit0 Network to MetaMask: <https://rpc-testnet.unit0.dev> (Chain ID: 88817)
2. Request UNIT0 Tokens from the faucet: <https://faucet-testnet.unit0.dev/>
3. Visit the DApp: <https://web3dunit0.vercel.app/>
4. Connect your wallet
5. Explore campaigns



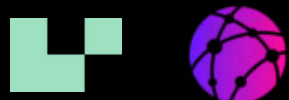
Setup Instructions for Developers

1. Install Node.js (Latest LTS)
2. Install MetaMask extension
3. Add Unit0 Blockchain to MetaMask
4. Clone Repository: `git clone`
`https://github.com/web3decision/Web3D-GTU-UnitZero.git`
5. Install dependencies: `npm install`
6. Deploy Smart Contract and update `util/ethers.js`
7. Start Application: `npm start`



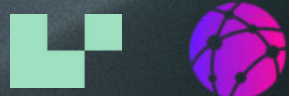
Application Flow

- **Home Page:** Lists active campaigns, shows wallet address
- **Creating a Campaign:** Users input title, description, target, deadline
- **Viewing Campaigns:** Users browse and click for details
- **Campaign Details:** Displays information, allows contributions, voting, and withdrawals



Campaign Details

- Title & Description: Name and purpose of the campaign.
- Target Amount: Goal set by the campaign manager.
- Raised Amount: Total contributions received so far.
- Manager Address: Ethereum address of the campaign creator.
- Deadline: The campaign's expiration date.



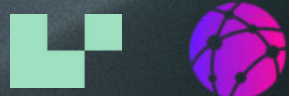
User Interactions

- Contribute to the Campaign
- View Spending Requests
- Vote on Requests
- Withdraw Funds (Manager Only)
- Refund (If Campaign Fails)



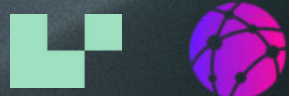
Conditions to Withdraw Funds (Manager)

- The deadline must have passed.
- The target amount must be reached.
- Funds must not have been withdrawn before.
- Refunds must not have been activated



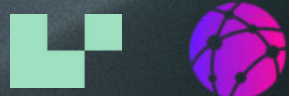
Conditions to Enable Refunds (Manager)

- The deadline must have passed.
- The target was not reached.
- Funds have not been withdrawn.
- Refund activation has not already occurred.



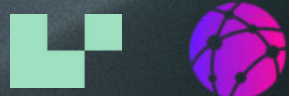
Conditions to Withdraw Refunds (Contributor)

- The manager has enabled refunds.
- The contributor has contributed.



Troubleshooting

- MetaMask Not Detected? Ensure it is installed and unlocked.
- Smart Contract Calls Failing? Check if the wallet is connected to Unit0.
- Funds Not Updating? Refresh the page or check the blockchain explorer.



Meet Our Team



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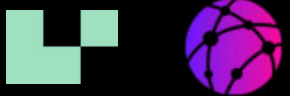
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Thank You

Get in touch!

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