

Time : 3 Days

Develop Smart contracts :

Use case :

This ICO/STO/IDO plans to raise USD 12.5 million in ETH. The fundraise must only be available for whitelisted investors. The ICO will run over multiple rounds from July 15 to September 15, with a minimum of \$500 per investor. The price of the underlying X token is pegged to USD, with varying bonus structures across various rounds. As the fundraising is in ETH, the conversion of ETH to USD shall be dynamic (Use oracles) based on weekly price-fixing by the client. The ICO smart contract shall release the X ERC20 token immediately after the purchase by each investor, calculated at the various bonus structures that may be applicable during the multiple rounds of the ICO. All ETH raised in the ICO must be immediately made available in each respective crypto wallet as specified by the client without any delays, and the contract shall not hold any funds. At the client's discretion, the fundraise must lend itself to be paused, restarted, or stopped at any time.

Tokenomics :

Total number of tokens : 50,000,000,000

Tokens division :

Reserve Wallet: 30% (20 billion)

Interest Payout Wallet: 20% (10 billion)

Team Members HR Wallet: 10% (5 billion)

Company General Fund Wallet: 13% (6.5 billion)

Bounties/Airdrops Wallet: 2% (1 billion)

Token Sale Wallet: 25% (12.5 billion)

Token Price : \$0.001

Private sale Duration : 15 days

PreSale Duration : 15 Days

CrowdSale : 30 Days

SoftCap : \$5,000,000

Bonus : Private Sale 25%

Pre-Sale 20%

CrowdSale 15% 1st week, 10% 2nd week, 5% 3rd week, 0%
4th week

Features :

- Token smart contract
 - Crowdsale smart contract
 - Whitelisting for investors
 - Bonus Structure
 - Crowdsale timeline Structure
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You will be graded based on the following:

- Your implementation works as described in the task
 - Code Structure and coding standards followed.
 - Gas Optimised Code
 - Solidity Best Practices
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Submission Guidelines:

Submit a github link of your code on hr@quillhash.com along with a readme file to review the application.

