

User Manual: Token Marketplace

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1. Introduction:

Token Marketplace is a program that allows users to buy and sell different types of tokens. It is built using HTML, JavaScript, and the Web3 library to interact with a smart contract on the blockchain. This user manual provides instructions on how to set up and use the Token Marketplace program effectively.

2. System Requirements:

- An internet connection
- A web browser (such as Chrome, Firefox, or Safari)

3. Installation:

- Copy the provided HTML code and save it as an HTML file (e.g., token_marketplace.html).
- Save the provided JavaScript code as a JavaScript file (e.g., app.js).
- Find and replace the placeholder contract address and ABI in the JavaScript code (app.js) with the actual values from the deployed smart contract.
- Compile and deploy the provided Solidity smart contract to the RSK blockchain testnet.
- Host the HTML file (token_marketplace.html) along with the JavaScript file (app.js) on a web server or locally.

4. Getting Started:

- Open the HTML file (token_marketplace.html) with a web browser.
- The Token Marketplace webpage should load with the forms and buttons visible.

5. Buying Tokens:

- Enter your wallet address in the appropriate input field.
- Select the token you want to purchase from the drop-down menu.
- Set the desired sale price for the token.
- Click the "Buy" button to execute the buyToken() function.
- The result of the transaction will be displayed in the "Sale Result" section on the webpage.

6. Selling Tokens:

- Select the token you want to sell from the drop-down menu.
- Enter the sale price for the token in the appropriate input field.
- Click the "Sell" button to execute the sellToken() function.
- The result of the transaction will be displayed in the "Sale Result" section on the webpage.

7. Troubleshooting:

If you encounter any issues while using the Token Marketplace program, please consider the following troubleshooting steps:

- Ensure that you have a stable internet connection.
- Double-check that the correct contract address and ABI are used in the JavaScript code (app.js).
- Verify that the provided Solidity smart contract has been compiled and deployed to the RSK blockchain testnet successfully.
- Make sure that the HTML file and JavaScript file are hosted on a web server or accessible locally.
- If problems persist, consult the additional resources or seek assistance from the program's developer.

8. Additional Resources:

- Web3 Documentation: [<https://dev.rootstock.io/rif/rns/tools/Web3/>]
- RSK Blockchain Documentation: [rootstock.io]
- Solidity Documentation: [<https://docs.soliditylang.org/>]

9. Legal Notice:

The Token Marketplace program is provided "as is," without warranty of any kind, express or implied. The program's developer shall not be liable for any damages, including but not limited to, lost profits or business interruption, arising out of the use or inability to use the program.