Put your text on the fucking blockchain

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Abstract

So guess what, I lost the private key to my Bitcoin wallet. Yeah I know. But hear me out, I have this amazing new project.

1 What is this?

A way for you to immortalize your message on the blockchain. Write whatever you want. I mean, *whatever*. It will be displayed publicly for everybody to see on the website.

2 How does it work?

A smart contract deployed on the Ethereum network instantly stores the newest message on the blockchain, if the amount of Ethereum you sent is higher than the the amount of your predecessor. The website is hooked up to the Ethereum blockchain and displays the latest message. The cool thing is that nobody can stop this or turn it off, including me!

The maximum text length is 50 characters because making the text look pretty on the website is difficult!

3 Is the code open source?

Yes.
Smart contract source code is hosted together with the website on the following link: `https://github.com/wavesaber/messageintheblockchain`. Address of the smart contract is `0x631c0D6f503C900e969C14d80A61D94e34cb0899`.

Feel free to poke around the codebase to convince yourself that there is no funny business.

4 What if I send insufficient funds

Smart contract will refund you. [1]

5 What if somebody raises the top price seconds before me?

Smart contract will refund you. [2]

References

[1] Satoshi Nakamoto. “Bitcoin: A peer-to-peer electronic cash system”. In: (2008).

[2] Arnold Schwarzenegger and Bill Dobbins. *The new encyclopedia of modern bodybuilding*. Simon and Schuster, 1998.

Appendices

A Ethereum smart contract code

```
pragma solidity ^0.4.18;

contract PutYourFuckingTextOnTheFuckingBlockchain {
    uint public mostSent = 0;
    string public currentText = "Put your own text here for money!";
    address public owner = msg.sender;
    uint private maxLength = 50;

    function setText(string newText) public payable returns (bool) {
        if (msg.value > mostSent && bytes(newText).length < maxLength) {
            currentText = newText;
            mostSent = msg.value;
            return true;
        } else {
            msg.sender.transfer(msg.value);
            return false;
        }
    }

    function withdrawEther() external {
        require(msg.sender == owner);
        owner.transfer(this.balance);
    }

    function () public payable{
        setText("Default text!");
    }
 }
```

6 JSON interface of the contract

```
[
   {
      "constant":false,
      "inputs":[
         {
            "name":"newText",
            "type":"string"
         }
      ],
      "name":"setText",
      "outputs":[
         {
            "name":"",
            "type":"bool"
         }
      ],
      "payable":true,
      "stateMutability":"payable",
      "type":"function"
   },
   {
      "constant":true,
      "inputs":[
      ],
      "name":"mostSent",
      "outputs":[
         {
            "name":"",
            "type":"uint256",
            "value":"0"
         }
      ],
      "payable":false,
      "stateMutability":"view",
      "type":"function"
   },
   {
      "constant":false,
      "inputs":[

      ],
      "name":"withdrawEther",
      "outputs":[

      ],
      "payable":false,
      "stateMutability":"nonpayable",
      "type":"function"
   },
   {
      "constant":true,
      "inputs":[

      ],
      "name":"owner",
      "outputs":[
         {
            "name":"",
            "type":"address",
            "value":"0x14a372b32d73ec9f712edd6e8f3ca0e0ff90a2e7"
         }
      ],
      "payable":false,
      "stateMutability":"view",
      "type":"function"
   },
   {
      "constant":true,
      "inputs":[

      ],
      "name":"currentText",
      "outputs":[
         {
            "name":"",
            "type":"string",
            "value":"Put your own text here for money!"
         }
      ],
      "payable":false,
      "stateMutability":"view",
      "type":"function"
   },
   {
      "payable":true,
      "stateMutability":"payable",
      "type":"fallback"
   }
]
```