

#FTW17

# Ethereum Token Hackathon

## SCREEN BY SCREEN WALKTHROUGH

# Hackathon Challenge

## Build a Project based on Ethereum Tokens

“Build something” on top of the ERC20/ERC233 Ethereum Token Standard(s)

Please make sure go through to all the slides first and before you start, read the following recommendations:

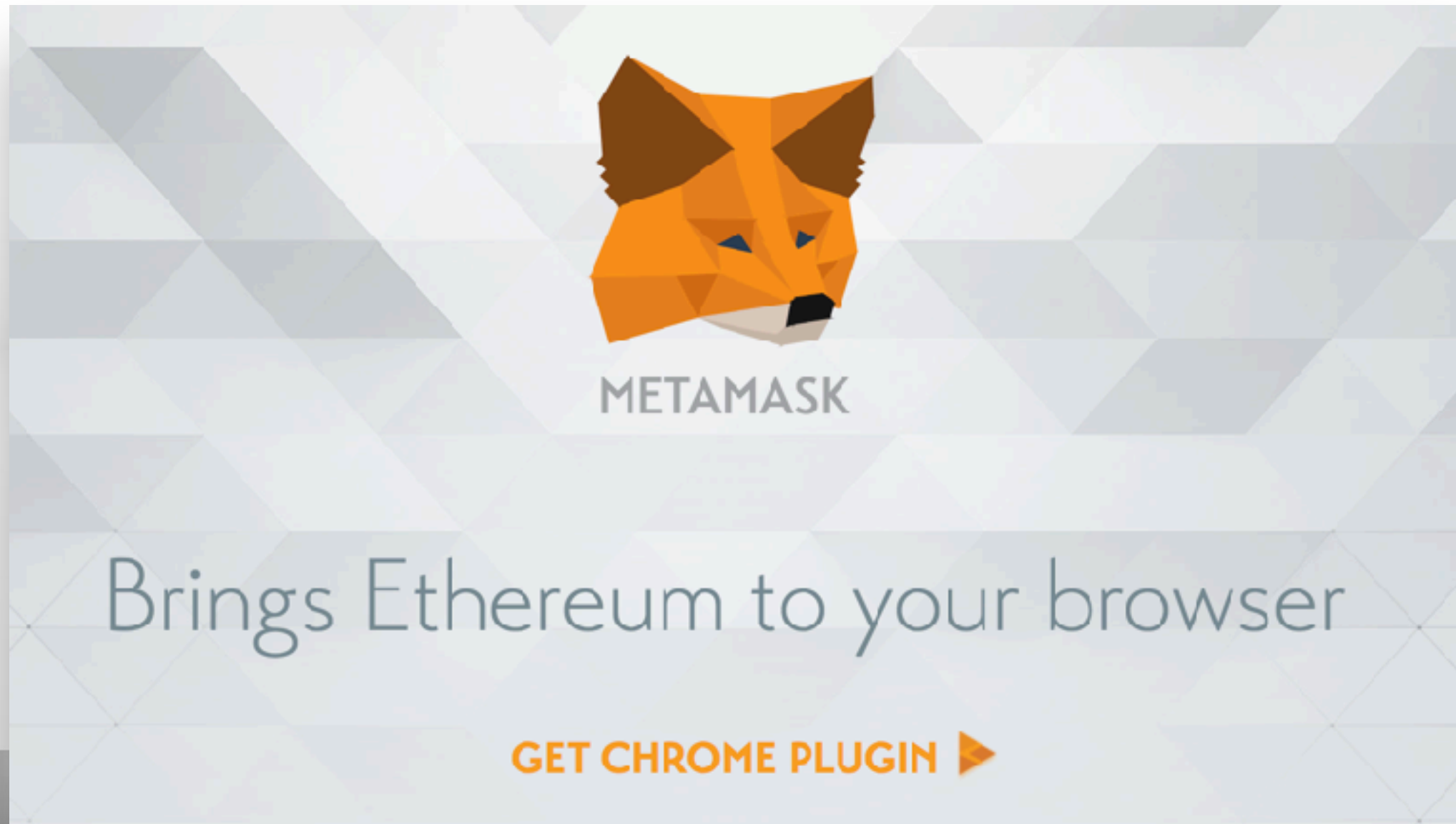
**Check you're doing ALL your operations on Testnet  
(Rinkeby Testnet)**

**Double check that you are not using  
the same addresses of testnet ;)**

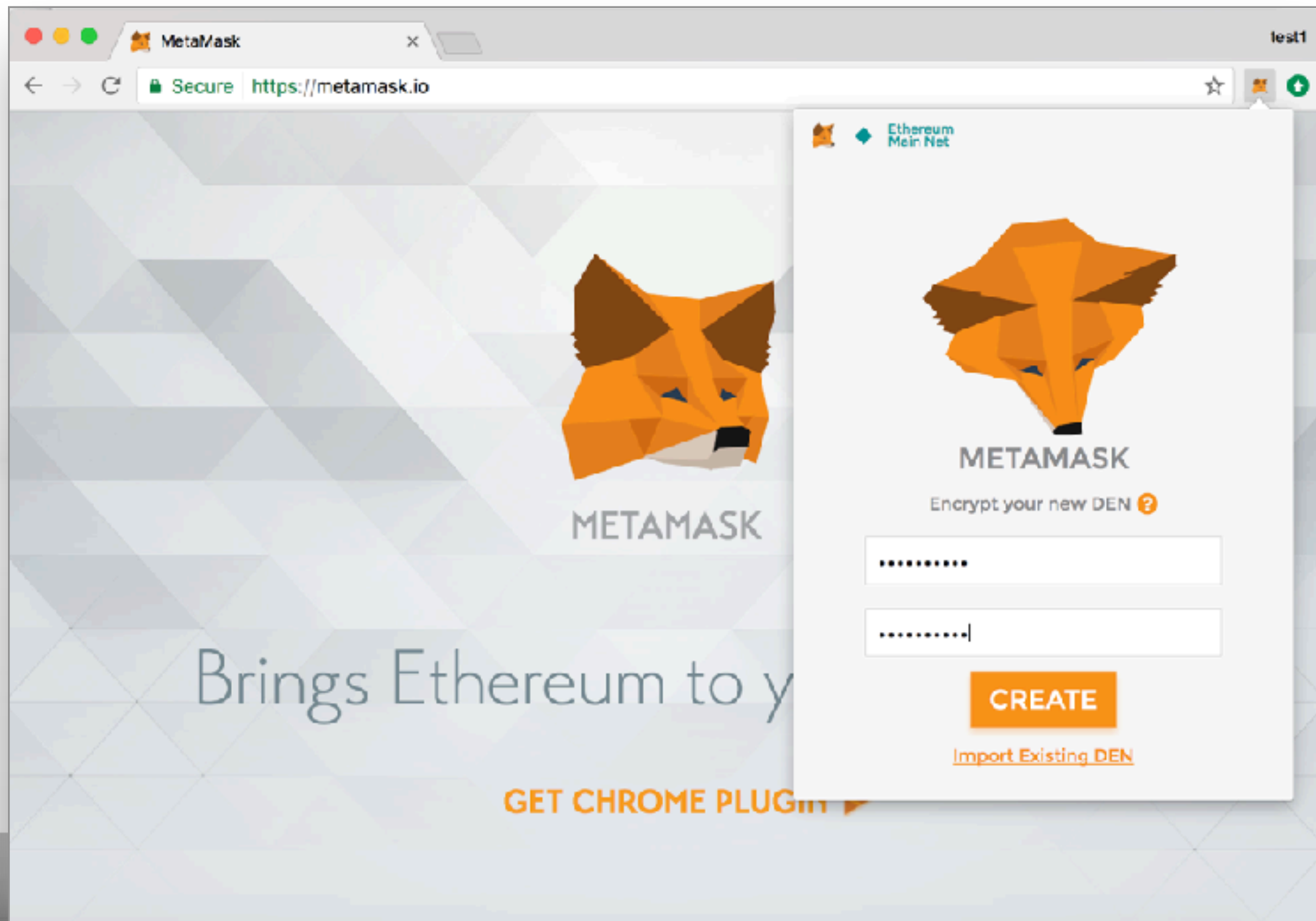
**You can use a different browser from your usual**  
(for example if you use mostly Chrome maybe use Firefox and vice versa)

## 1. Install Metamask

<https://metamask.io>

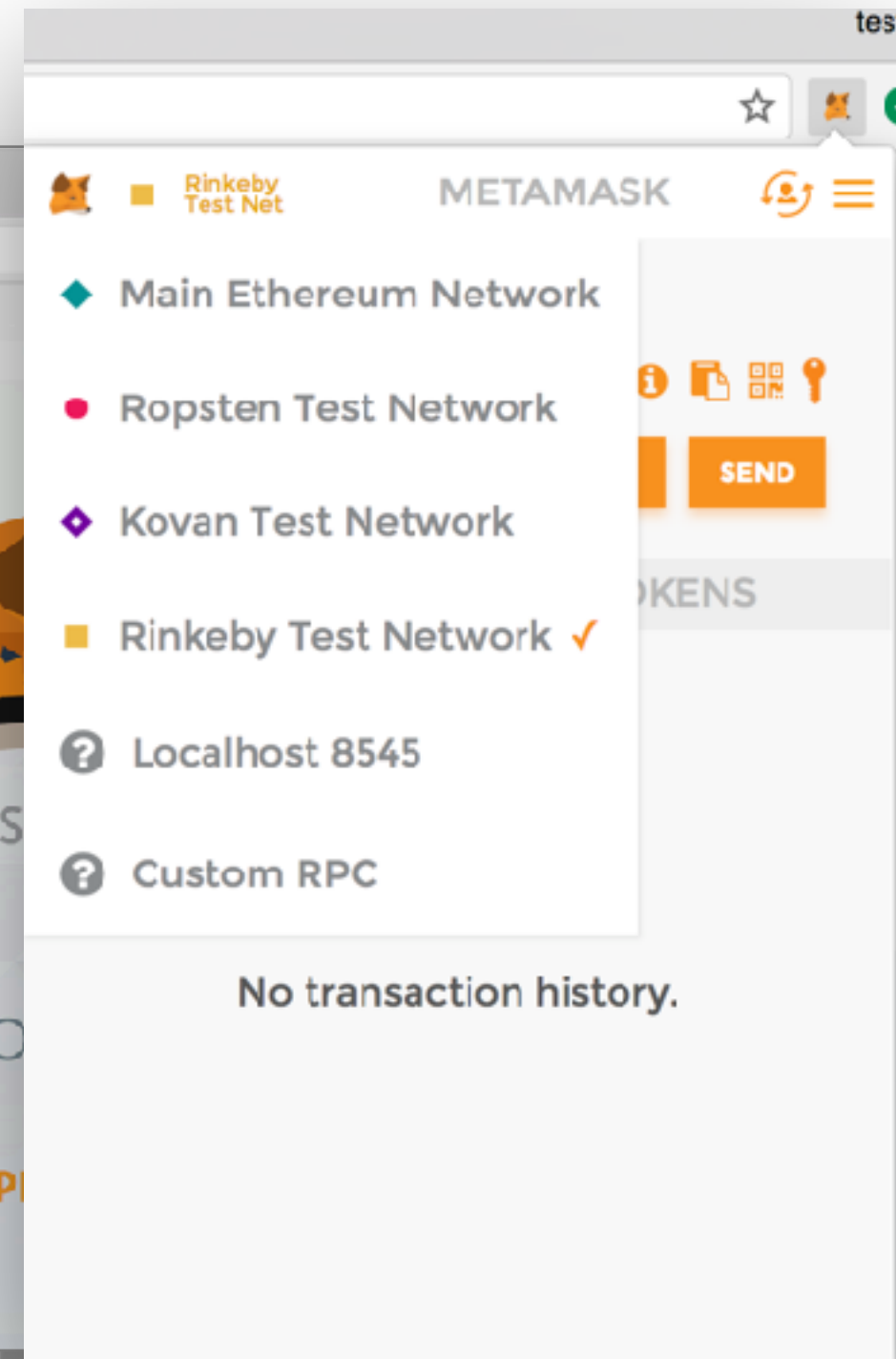
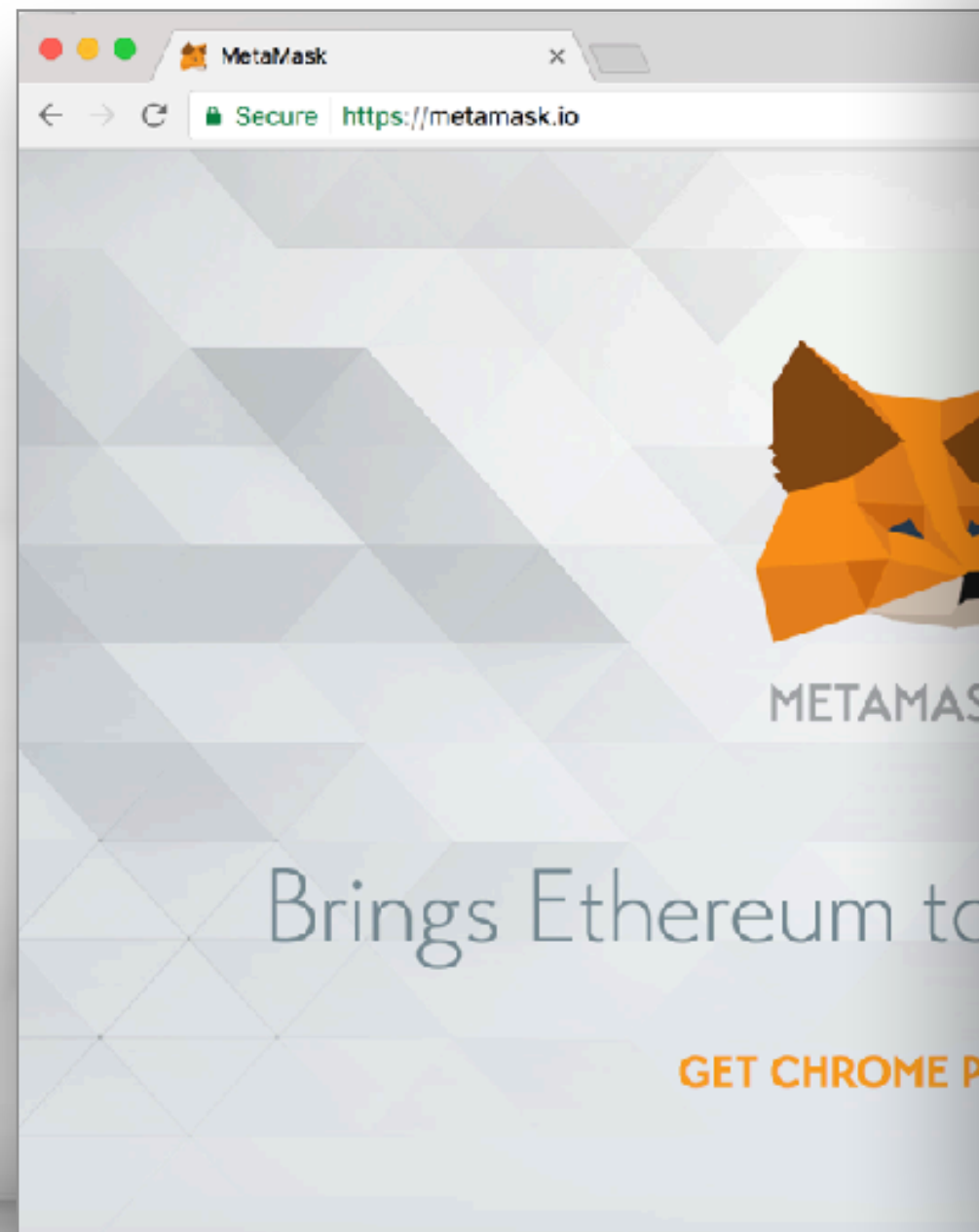


# - Build a Token Based Ethereum Web Application



Copy your 12 words mnemonic seed (master private key)

## Select Rinkeby Testnet



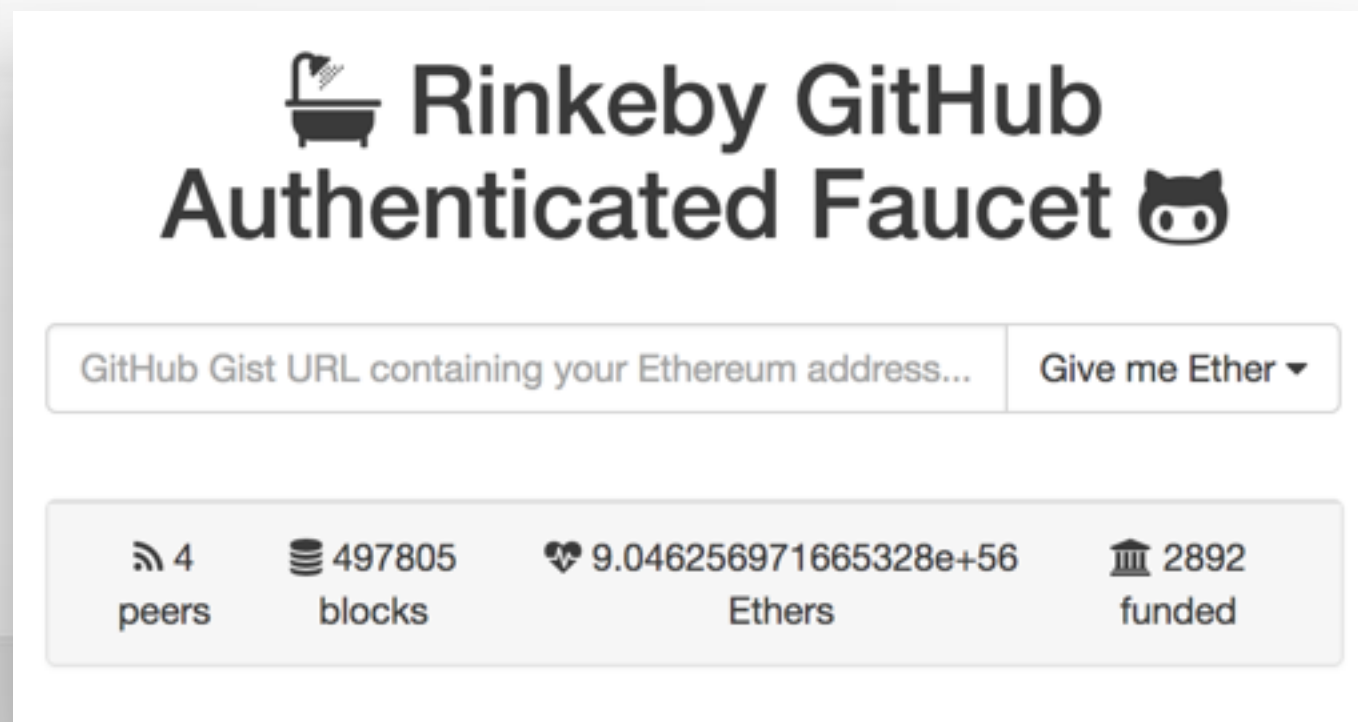


## 2. Get Test Ethers from Faucet

Get Ethers so you can pay for Gas to create and run your Ethereum Token smart contract

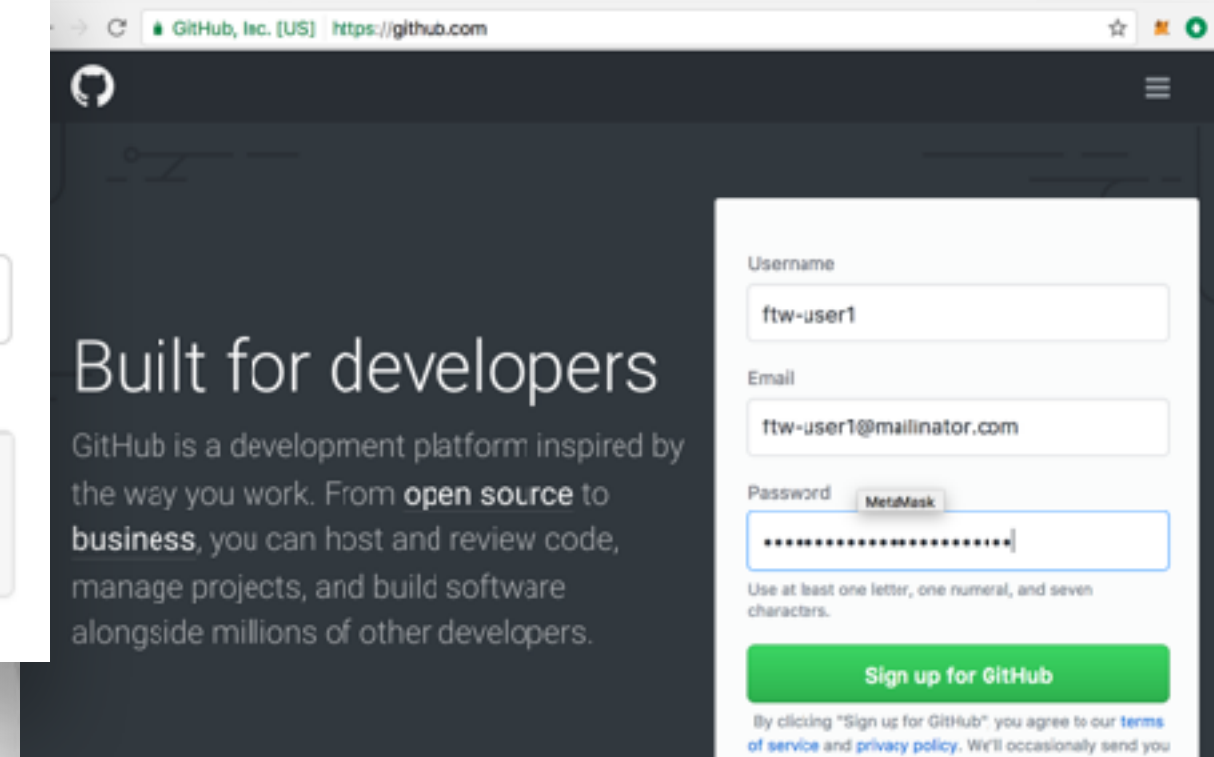
TIP: The smallest Ethereum unit is the **WEI**

[faucet.rinkeby.io](https://faucet.rinkeby.io)



The screenshot shows the 'Rinkeby GitHub Authenticated Faucet' interface. At the top, there's a title with a faucet icon and the GitHub logo. Below the title is a text input field labeled 'GitHub Gist URL containing your Ethereum address...' and a button labeled 'Give me Ether'. At the bottom, there's a summary bar showing network statistics: 4 peers, 497805 blocks, 9.046256971665328e+56 Ethers, and 2892 funded.

[github.com](https://github.com) - login or create an account

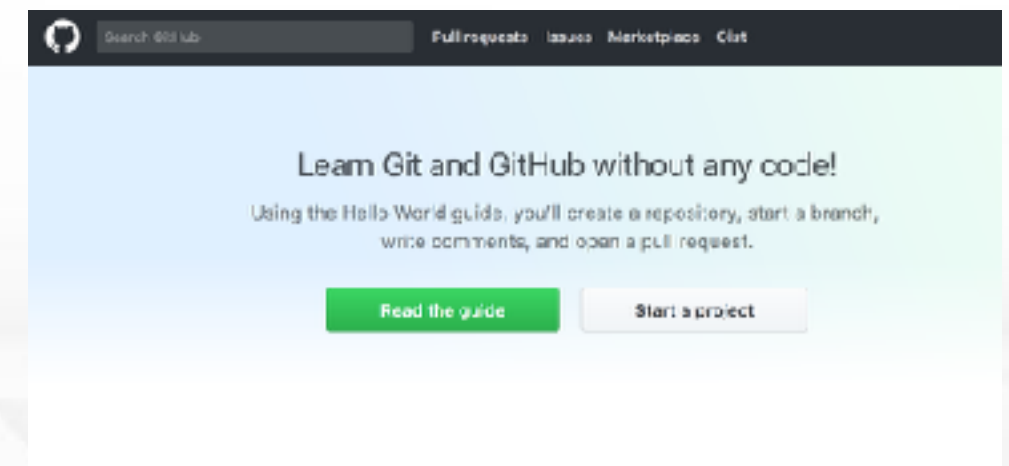
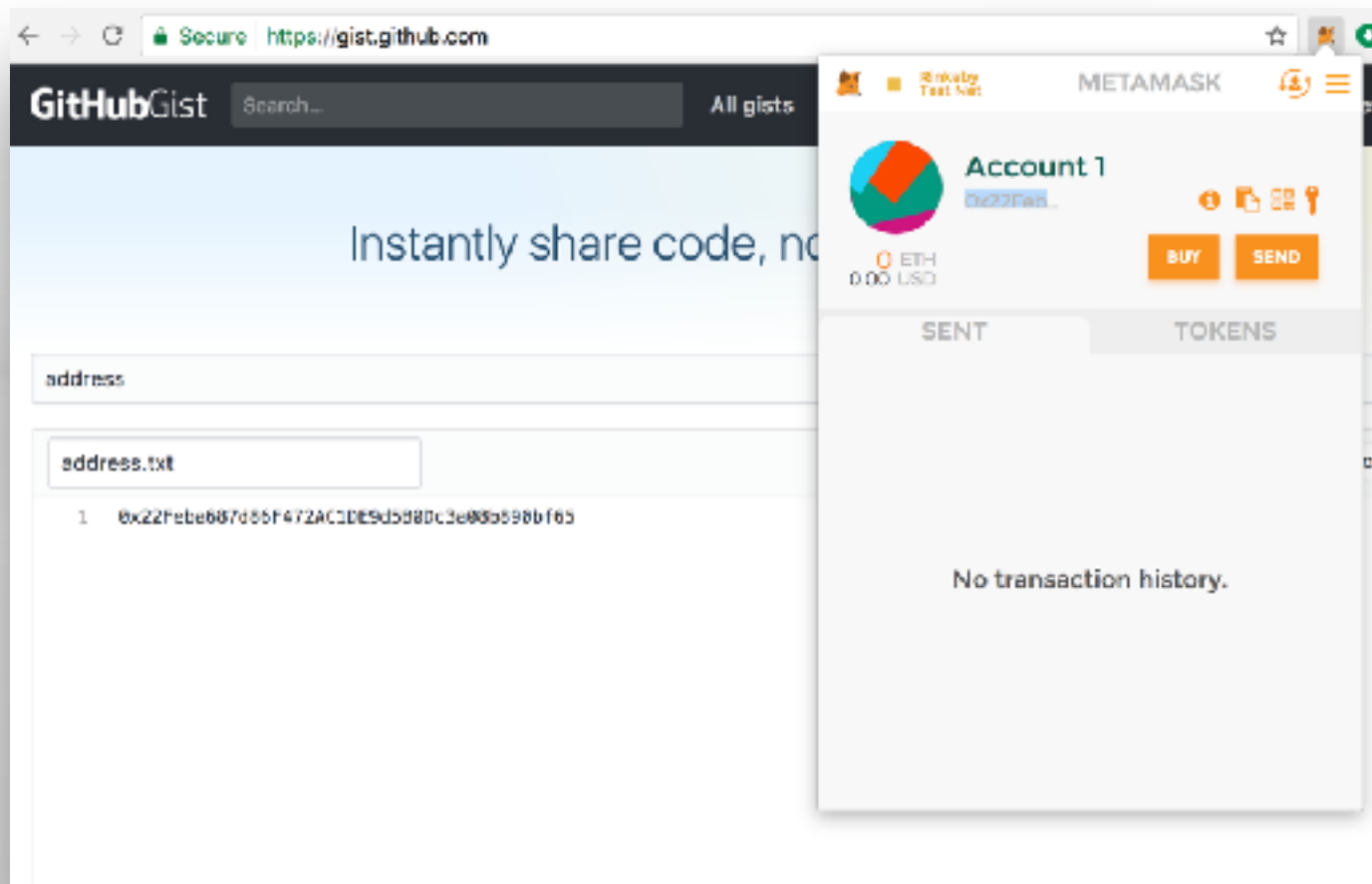


The screenshot shows the GitHub login and signup page. On the left, there's a dark sidebar with the GitHub logo and the text 'Built for developers'. On the right, there's a white form with fields for 'Username' (filled with 'ftw-user1'), 'Email' (filled with 'ftw-user1@mailinator.com'), and 'Password' (with a 'MetaMask' button and a masked password field). Below the password field is a note: 'Use at least one letter, one numeral, and seven characters.' At the bottom of the form is a green 'Sign up for GitHub' button. Below the button is a small disclaimer: 'By clicking "Sign up for GitHub" you agree to our terms of service and privacy policy. We'll occasionally send you'.

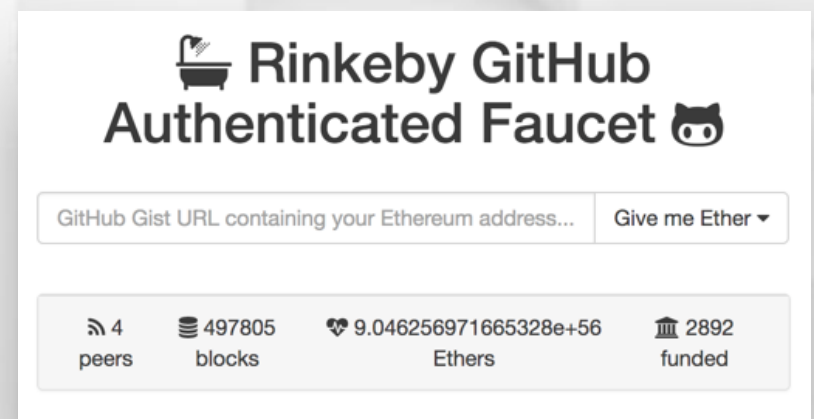
## 2b. Get Test Ethers from Faucet - GIST



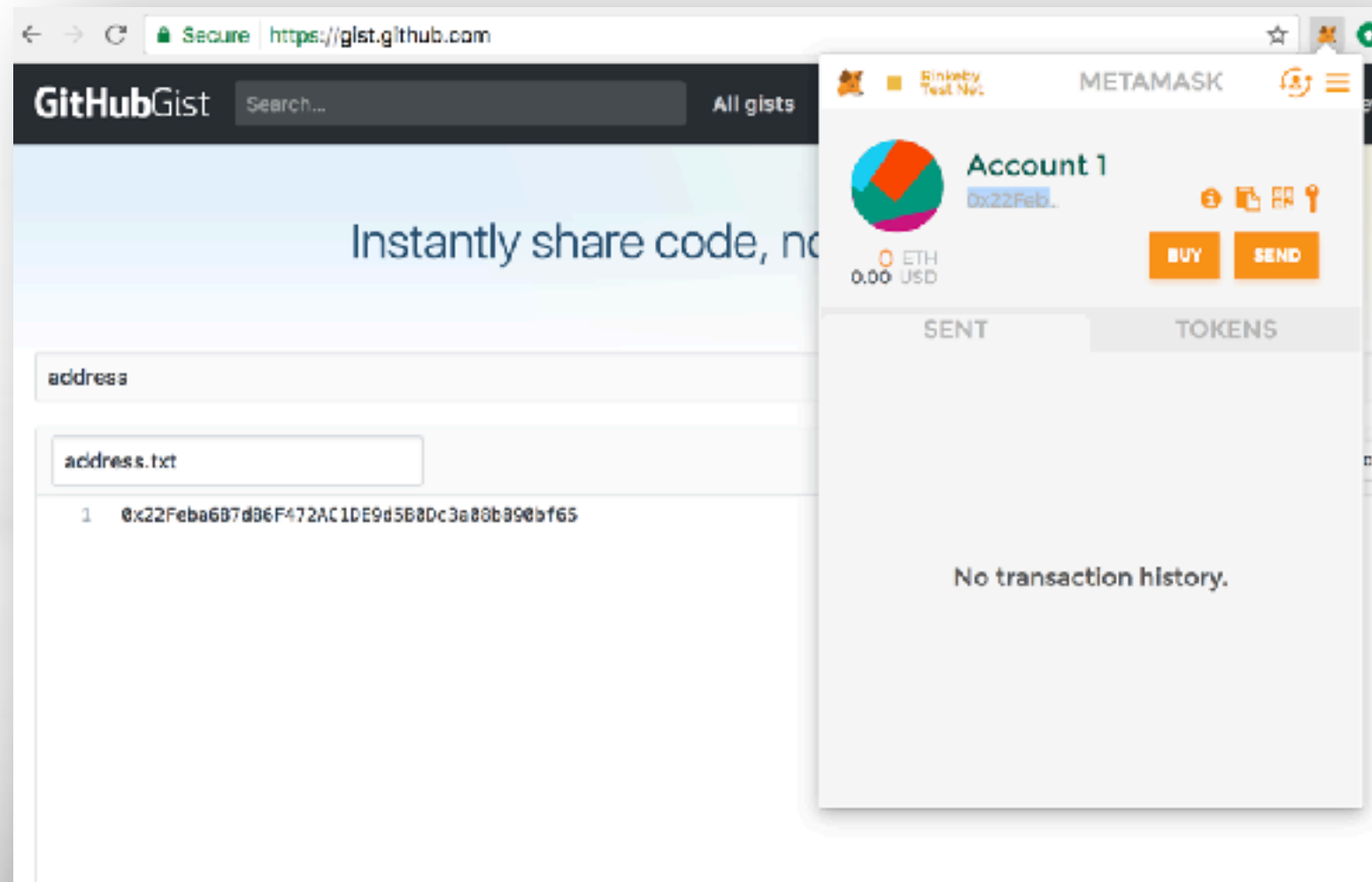
This screen means you  
are registered to github



**faucet.rinkeby.io**



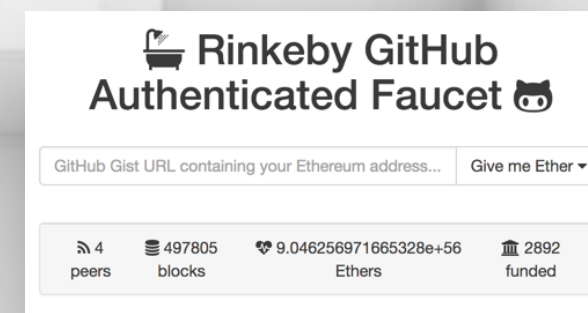
## 2b. Get Test Ethers from Faucet - github Gist



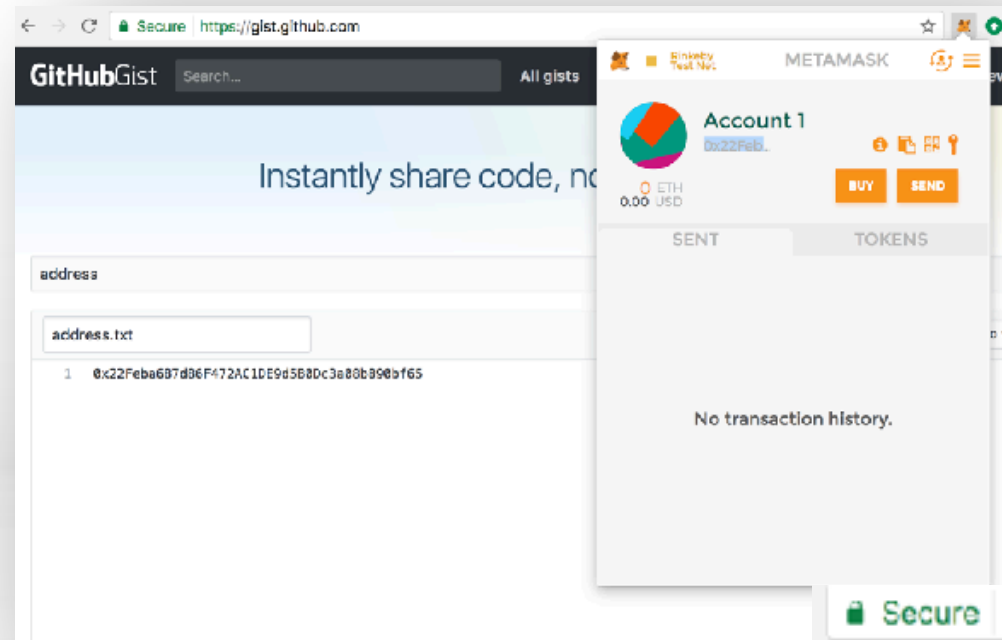
**Paste your metamask wallet address  
into a github Gist and save the Gist**

**Get the link from your browser**

**[faucet.rinkeby.io](https://faucet.rinkeby.io)**



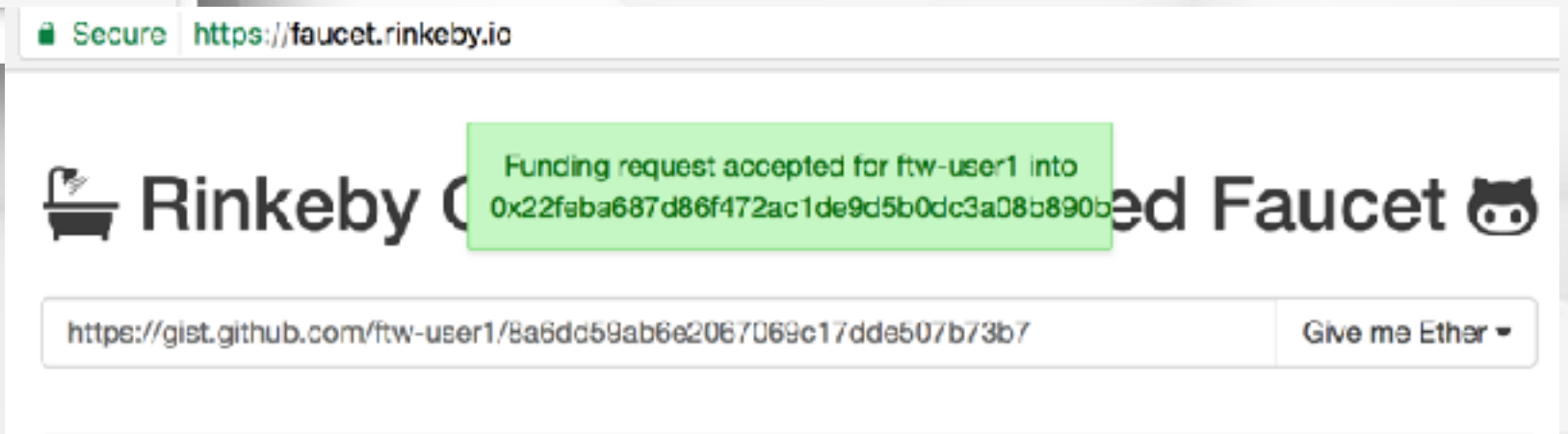
## 2b. Get Test Ethers from Faucet - github gist



Paste the Github Gist link  
into your MetaMask  
browser extension wallet



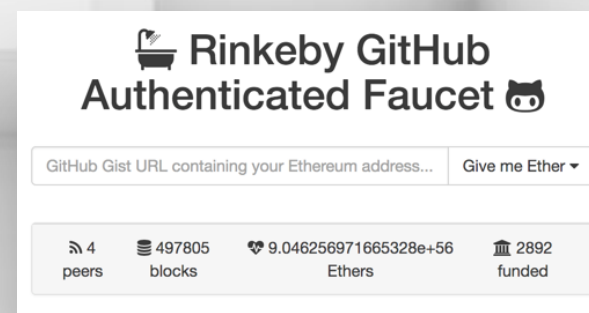
metamask's first account  
(ethereum address)  
will be the "owner" of the tokens



we are funding that account to have gas to call the  
deployment (creation) of the ethereum contract



[faucet.rinkeby.io](https://faucet.rinkeby.io)



# TOKEN CODE

## 1. Install Metamask

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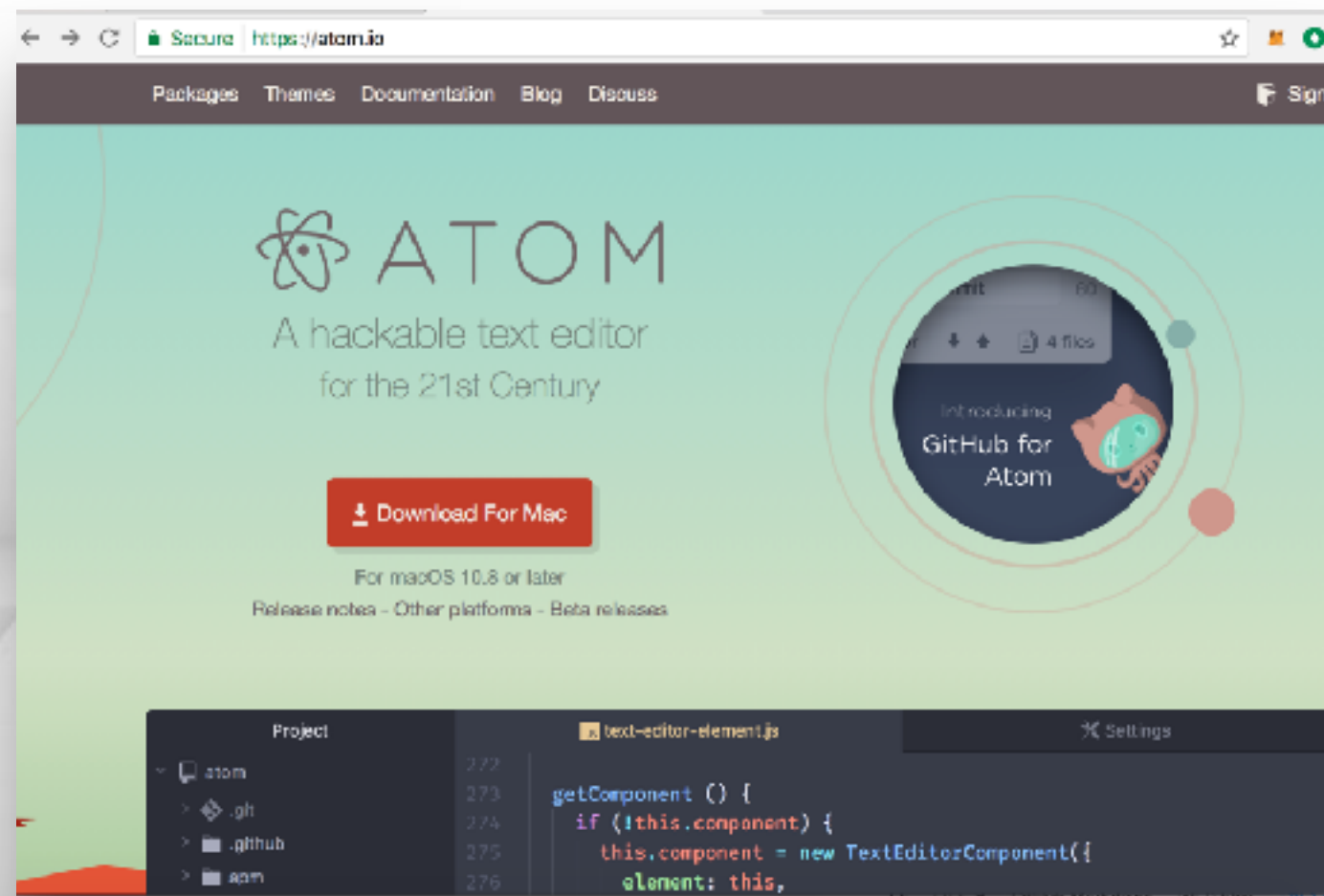
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Open index.html in any text editor  
or Install Atom



happy hacking!

<http://bit.ly/token17>