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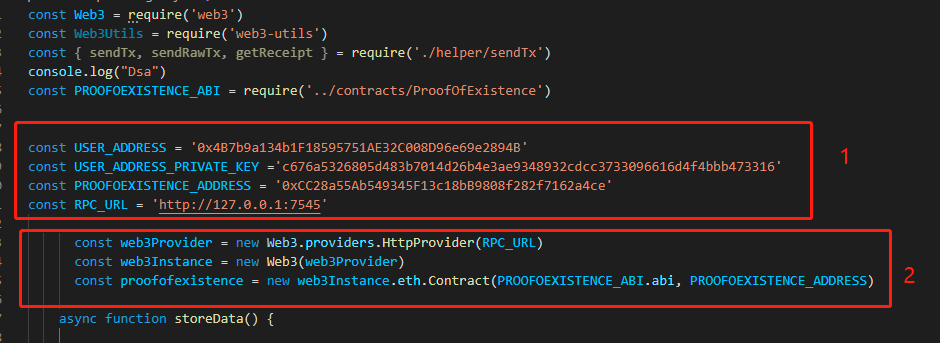
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# Web3 Integration

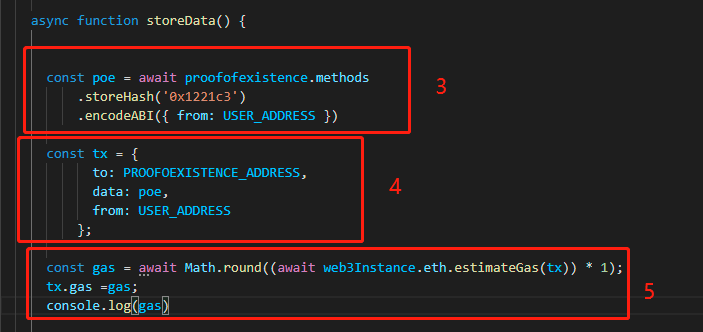
## 1.1 2 ways to interact with blockchain



Step1 : set addresses

Step2: create web3 connector

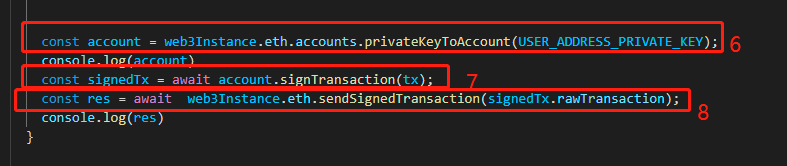
1 web3 send transaction



Step3:get method encode

Step4:assign encode and other params to tx

Step5:get estimate gas

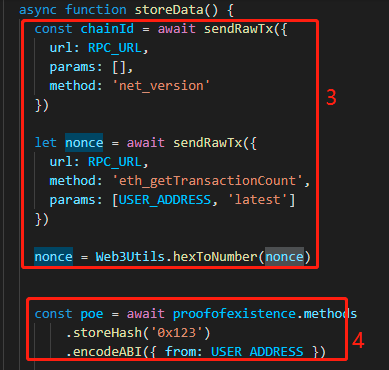


Step6:import web3 eth account from private key

Step7:sign the raw data with pk

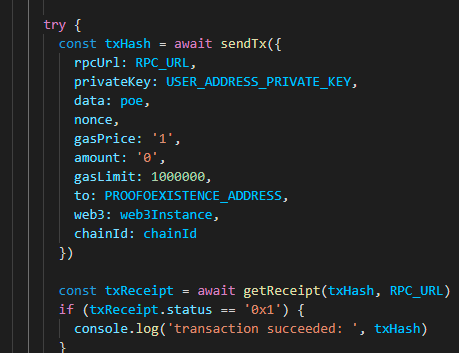
Step8: send signed transaction to blockchain

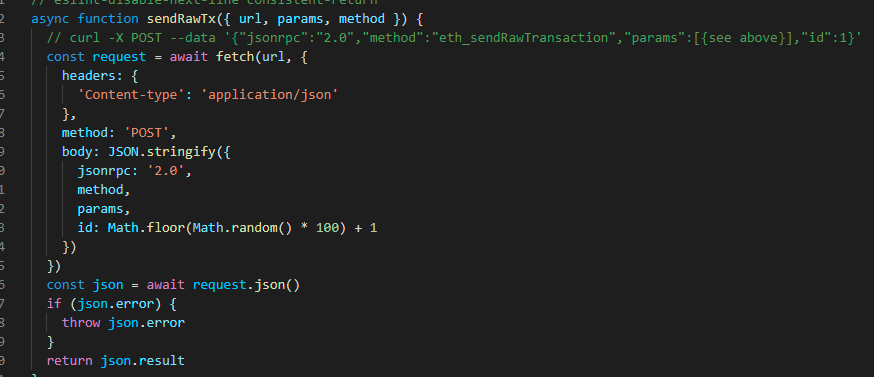
2 RPC post request



Step3: get chainid and nonce

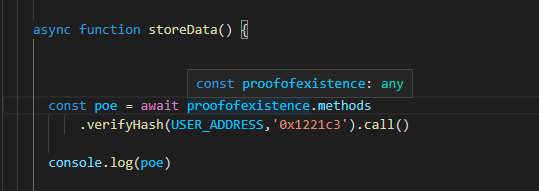
Step4:get methods encode





Use rpc post api to send signed raw data

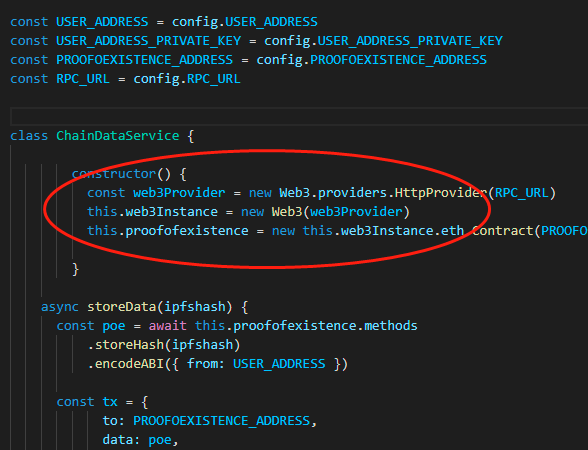
## 1.2 query data



Use .call()

## 1.3 add web3 to the frontend

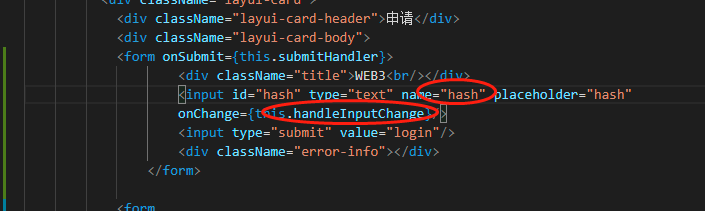
Step 1: convert the script to class



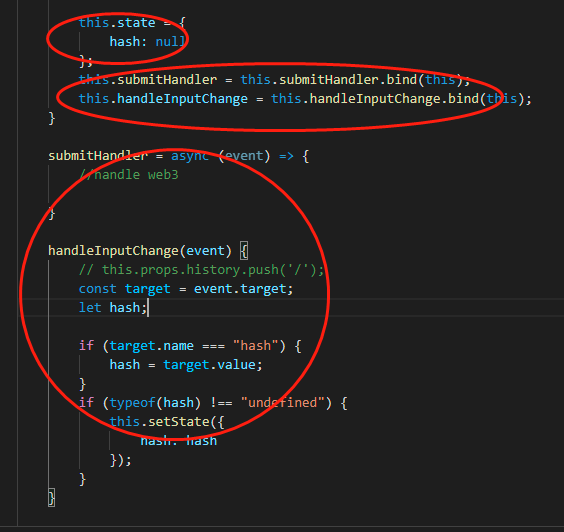
Make web3connector part to be the constructor

And put the rest of the code from the scripts to the storeData function

Step2: add input button to the front end



Step3: add event handlers

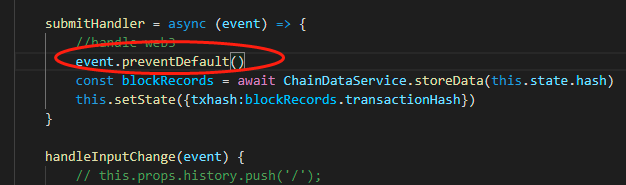


Set state

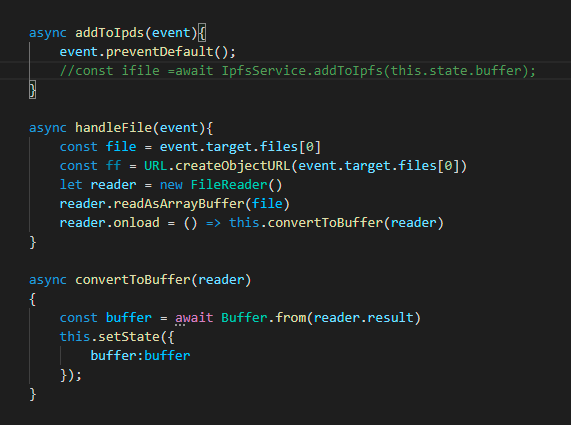
Set event handler

Bind this

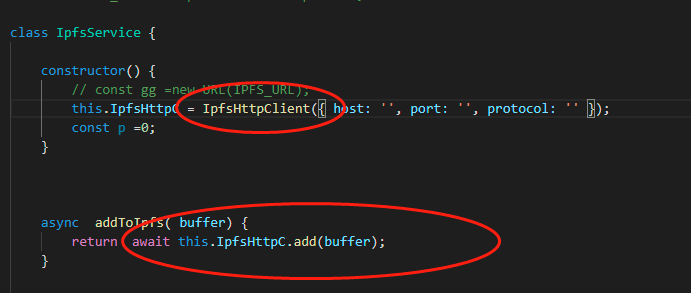
Step 4: add submit and web3 interaction



## 1.4 add IPFS



Store files in buffer state variable



Upload buffer to ipfs-client