

# Part III

## Adding a Proposal & Viewing the DAPP

# Add a new proposal

Expand addProposal function

▼

Ballot at 0xbE7...bF3c6 (blockchain)

📄





✕

addProposal	string desc, string title, address targetAddr	▼
vote	address proposal	▼
getProposals		
proposals	address	▼
proposalsSender	uint256	▼
timeOut		
winningProposal		

# Copy your address

Run tab: Account

Compile Run Settings Analysis Debugger Support

Environment	Injected Web3  Ropsten (3) ▼ 	
Account	0x309...26e55 (10.994338592 ether) ▼	 
Gas limit	3000000	
Value	0	wei ▼

# Type a proposal

Run tab: Account

✕

▼ Ballot at 0xbE7...bF3c6 (blockchain) 📄

addProposal ^

desc: "I think you could add a new feature to Remix that does..."

title: "This is my Remix improvements proposal"

targetAddr: address

transact

# Add your address

Paste the address

✕

▼ Ballot at 0xbE7...bF3c6 (blockchain) 📄

addProposal ^

desc:

"I think you could add a new feature to Remix that does..."

title:

"This is my Remix improvements proposal"

targetAddr:

"0x3092232fb25e6b359a9fead9ed07ad752ff26e55"

transact

# Execute addProposal

Hit the transact button

▼ **Ballot at 0xbE7...bF3c6 (blockchain)** 📄 ✕

**addProposal** ^

desc:

"I think you could add a new feature to Remix that does..."

title:

"This is my Remix improvements proposal"

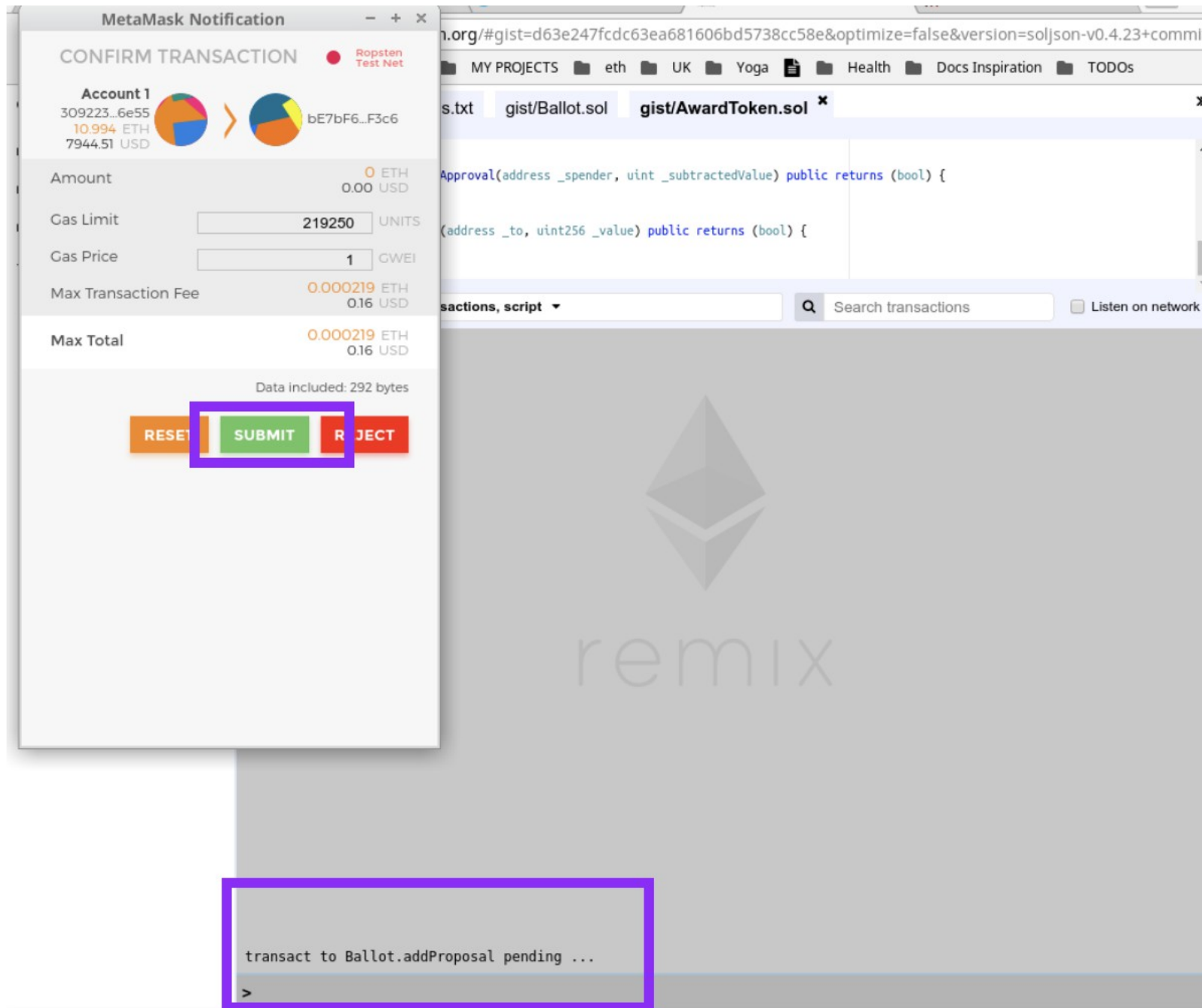
targetAddr:

"0x3092232fb25e6b359a9fead9ed07ad752ff26e55"

transact

# Confirm the transaction

## Submit button



# Check if tx succeeded


# Terminal logs in Remix

[illegible]




# Execute getProposals

getProposals call



▼

Ballot at 0xbE7...bF3c6 (blockchain)



addProposal

string desc, string title, address targetAddr

▼

vote

address proposal

▼

getProposals

proposals

address

▼

proposalsSender

uint256

▼

timeOut

winningProposal

# See Proposals Addresses

well in so far there will only be 1 address

call to Ballot.getProposals

▼ [call] from: 0x3092232fb25e6b359a9fead9ed07ad752ff26e55 to: Ballot.getProposals()  
data: 0x625...64c48

Debug

from	0x3092232fb25e6b359a9fead9ed07ad752ff26e55
to	Ballot.getProposals() 0xbE7bF60cee009DCDb2Ad8D045c19e76597bbF3c6
input	0x62564c48
decoded input	{}
decoded output	{ "0": "address[]: 0x3092232FB25e6b359a9fEad9eD07Ad752Ff26e55,0xFd0f51afb685Cd8735AfE7685D21355589602b8c,0x6Acd3829405CaFD677C7792c27a4c1c3013d7534" }
logs	[ ]

# Vote for one Proposal

Paste Proposal Address you want to vote for

Compile

Run

Settings

Analysis

Debugger

Support

Account

0x309...26e55 (10.994119342 ether)

Gas limit

3000000

Value

0

wei

Ballot

Deploy

uint256 duration

0xbE7bF60cee009DCDb2Ad8D045c19

At Address

0 pending transactions

Ballot at 0xbE7...bF3c6 (blockchain)

addProposal

string desc string title address targetAddr

vote

0x6Acd3829405CaFD677C7792c27a4c1c3013d7534

# Execute vote transaction

vote button

Compile

Run

Settings

Analysis

Debugger

Support

Account

0x309...26e55 (10.994119342 ether)

Gas limit

3000000

Value

0

wei

Ballot

Deploy

uint256 duration

0xbE7bF60cee009DCDb2Ad8D045c19

At Address

0 pending transactions

Ballot at 0xbE7...bF3c6 (blockchain)

addProposal

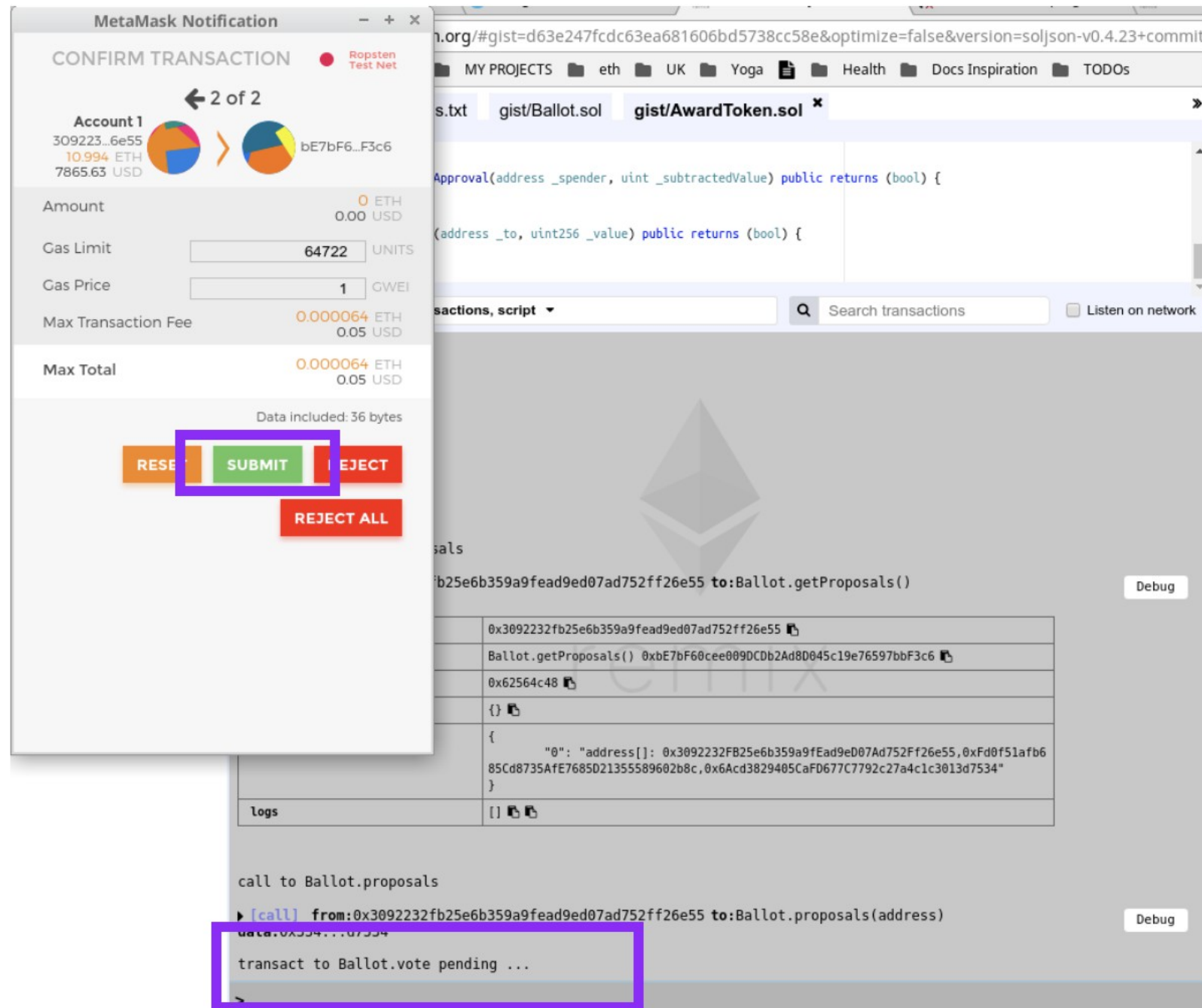
string desc, string title, address targetAddr

vote

x6Ac3829405CaFD677C7792c27a4c1c3013d7534

# Confirm the transaction

## Submit button



# Check if tx succeeded

## Terminal logs in Remix

The screenshot shows the Remix IDE interface. The top panel displays the Solidity code for 'Ballot.sol' and 'AwardToken.sol'. The bottom panel shows the terminal logs, which include a call to 'Ballot.getProposals' and a transaction to 'Ballot.vote'.

call to Ballot.getProposals

▼ [call] from:0x3092232fb25e6b359a9fead9ed07ad752ff26e55 to:Ballot.getProposals()  
data:0x625...64c48

from	0x3092232fb25e6b359a9fead9ed07ad752ff26e55
to	Ballot.getProposals() 0xbE7bF60cee009DCDb2Ad8D045c19e76597bbF3c6
input	0x62564c48
decoded input	{}
decoded output	{ "0": "address[]: 0x3092232FB25e6b359a9fEad9eD07Ad752Ff26e55,0xFd0f51afb685Cd8735AfE7685D21355589602b8c,0x6AcD3829405CaFD677C7792c27a4c1c3013d7534" }
logs	[]

call to Ballot.proposals

► [call] from:0x3092232fb25e6b359a9fead9ed07ad752ff26e55 to:Ballot.proposals(address)  
data:0x334...d7534

transact to Ballot.vote pending ...

► [block:3159861 txIndex:27] from:0x309...26e55 to:Ballot.vote(address) 0xbe7...bf3c6 value:0 wei  
data:0x6dd...d7534 logs:0 hash:0xe0d...6c6eb

# Now let's try it out connecting a frontend

<http://bit.ly/remix-voting>

( when dependencies.js is the active file )

To access our Award Token from this frontend -  
you need the address of the Award Token.

Go to [ethereum/remix-workshop](https://ethereum/remix-workshop) to access the award token I just deployed

```
contract Ballot {
    uint _duration;
    uint _startTime;
    struct Proposal {
        string description;
        string title;
        uint voteCount;
    }
}
```



```
contract AwardToken is MintableToken {
    uint quantity;
    uint ballotPeriod = 7 hours;
    Ballot public currBallot;
    address[] public prevWinners;
}
```

CREATE NEW PROPOSAL

ROUND: 1

ROUND: 2

ROUND: 3

ROUND: 4

Vote for proposal and help us reward the projects that benefit the community!

PROPOSALS

PROPOSAL TITLE/DESCRIPTION

Choose only one

>
PROPOSAL 1
Lorem ipsum dolor sit amet, consectetur adipiscing...
1 vote(s)

>
PROPOSAL 3
Neque porro quisquam est, qui dolorem ipsum quia ...
0 vote(s)



# Let's check results

<http://bit.ly/remix-voting>

# Check the state of the contract

▼

Ballot at 0x712...0Aa64 (blockchain)

📄

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addProposal

string desc, string title, address targetAddr

▼

finish

vote

address proposal

▼

getProposals

0: address[]:

0x9Ae59aF2E33480cAa48f2DC6F6CeDe7FFAb06Ff6,0xdc7b1AaC1D13d58C

EcEEc58434C1E32Fe2A1297f

2 proposals have been added

# Thank you

@ninabreznik @ryestew @yann300  
@serapath @lianahusikyan @iurimatias

<http://bit.ly/remix-workshop-repository>