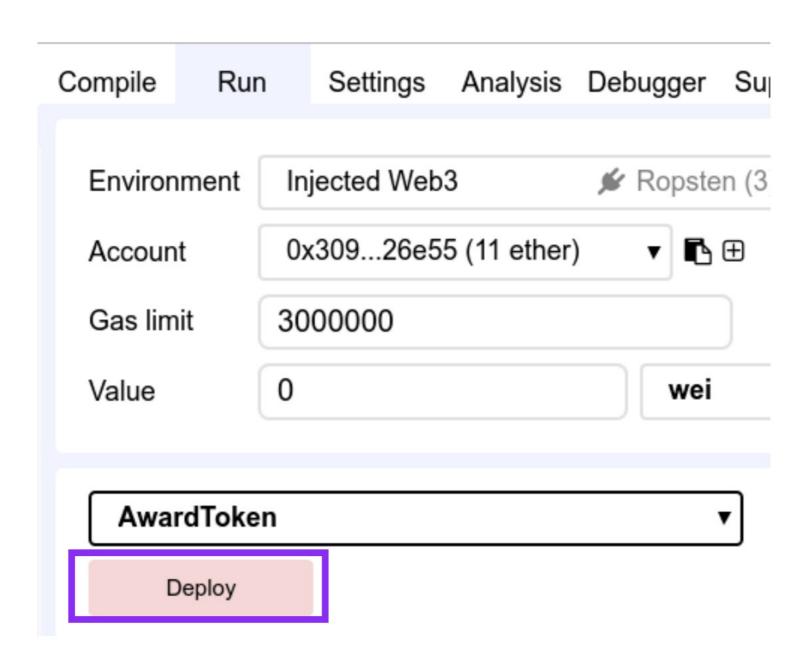
Part II

Deploy & AtAddress

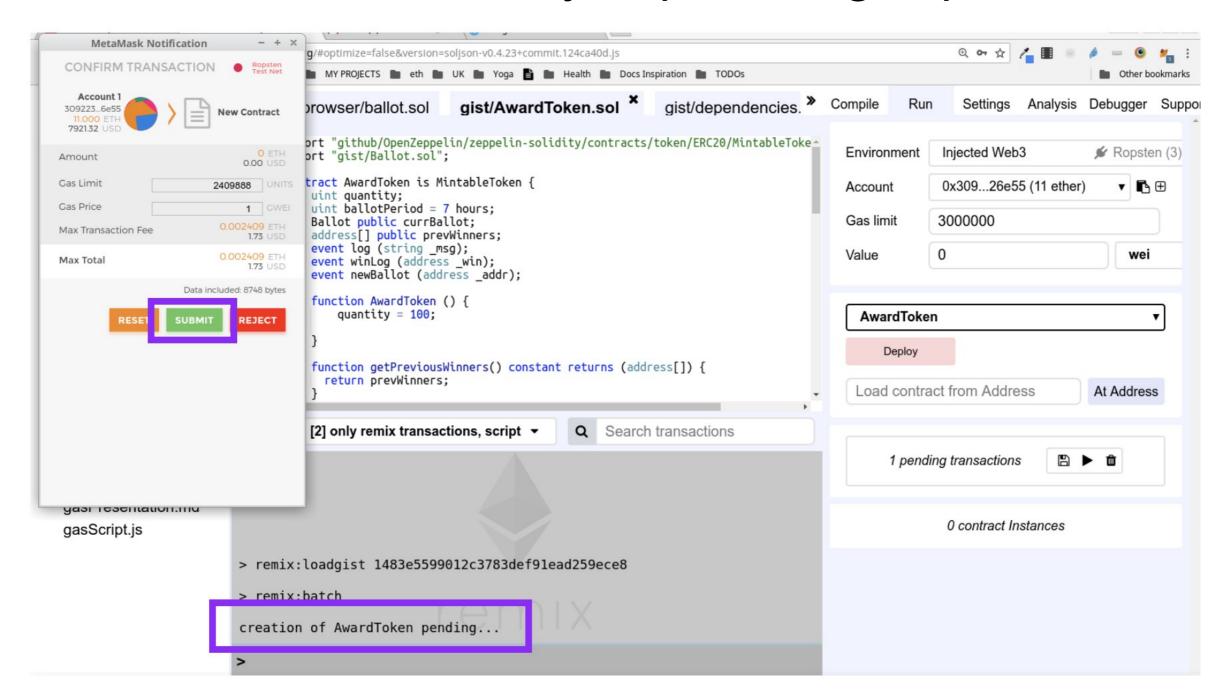
Deploy the contract

Run tab: Deploy button



Confirm the transaction

Submit button But make sure you put in a gas price!



Check if tx is mined

Terminal logs in Remix

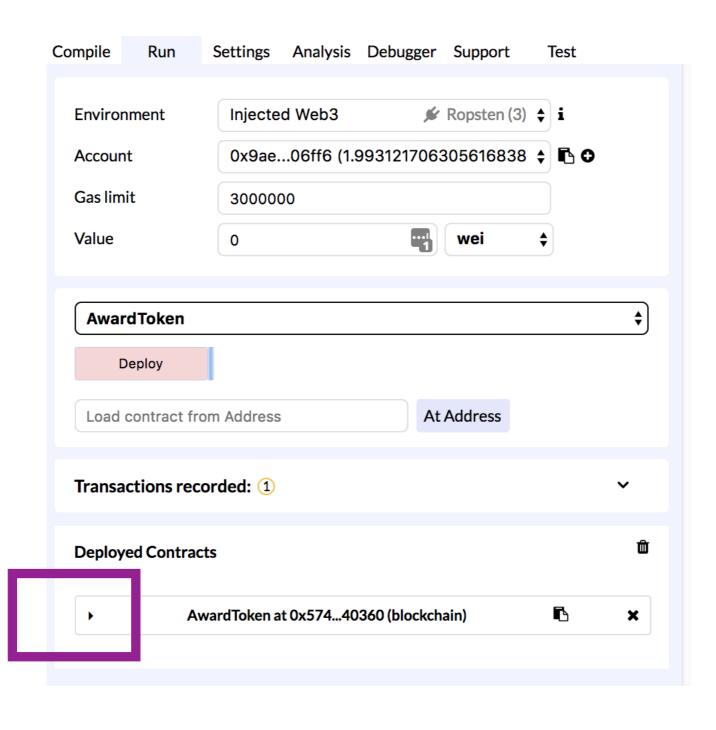
```
creation of AwardToken pending...

https://ropsten.etherscan.io/tx/0x404a4445ebb3a969b15257a586a61582afa07
dcf02b1b2617f77519b30378be8

| [block:3159099 txIndex:2] from:0x309...26e55
to:AwardToken.(constructor) value:0 wei data:0x608...70029
logs:0 hash:0x404...78be8
```

Click to see the contract's UI

On the deployed contract



Behold!

The Interactive UI for AwardToken.sol contract

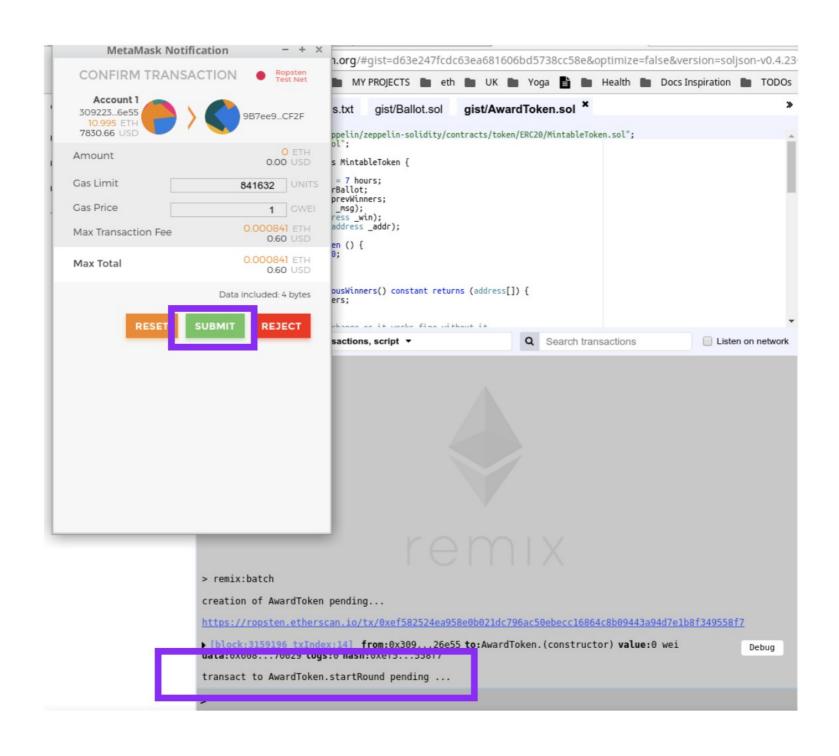


Execute startRound

Its a payable function (as opposed to a call function - which is free)



Confirm the transaction



Check if tx is mined

In the terminal logs in Remix

```
transact to AwardToken.startRound pending ...

https://ropsten.etherscan.io/tx/0x5a97b4946979f52dfb6dc8ab2fecebb8fd43515ff4e25597ecb9d0a88472c8b2

| [block:3159300 txIndex:12] from:0x309...26e55 to:AwardToken.startRound() 0x9b7...0cf2f value:0 wei data:0x55e...3f086 logs:1 hash:0x5a9...2c8b2
```

Expand tx log

to see the logs

```
[block:3665523 txIndex:4] from:0x9ae...06ff6 to:AwardToken.startRound() 0x574...40360 value:0 wei
                                                                                                                                  Debug
    data:0x55e...3f086 logs:1 hash:0x16c...0a81c
status
                                   0x1 Transaction mined and execution succeed
transaction hash
                                   0x16c8af5a3fd0e5bcacd8858ab42d4f8eff39fc33bb98290740c03eeb4880a81c
from
                                   0x9ae59af2e33480caa48f2dc6f6cede7ffab06ff6
                                   AwardToken.startRound() 0x574d270dc04e89c5d65e24e19f1deb9e17240360
                                   613643 gas
gas
                                            B
                                   613643 gas 🖪
transaction cost
hash
                                   0x16c8af5a3fd0e5bcacd8858ab42d4f8eff39fc33bb98290740c03eeb4880a81c
                                   0x55e...3f086
input
                                   {}
decoded input
decoded output
logs
                                                   "from": "0x574d270dc04e89c5d65e24e19f1deb9e17240360",
                                                   "topic": "0x65f35fb257c91daed794331bfd2ad0f4439d49319d52a5b3bfb04c8496
                                   9fdbeb",
                                                   "event": "newBallot",
                                                   "args": {
                                                          "0": "0xD6052C85A3D26eE9EeC8262d462bfDC672B80D93",
                                                          " addr": "0xD6052C85A3D26eE9EeC8262d462bfDC672B80D93",
                                                           "length": 1
                                   1 6
value
                                   0 wei
```

Take a look at the startRound function in the editor

- just to see what it is doing...

```
gist/AwardToken.sol *
        gist/dependencies.js
                                                                                                                       ce(s) A
  22
          // function approve(address spender, uint256 value) public returns (bool);
  23
          function startRound() onlyOwner canMint public returns (bool) {
  24
              // if this is the first minting then we should let this go immediately
  25
              if (address(currBallot) == 0x0) {
  26
                  currBallot = new Ballot(ballotPeriod);
 27
                  newBallot(currBallot);
  28
               } else {
  29
                  revert();
  30
  31
  32

▲ 33 -

          function closeRoundEarly () onlyOwner {
              if (address(currBallot) != 0x0 && !currBallot.timeOut()) {
  34 -
  35
                currBallot.finish();
              } else revert();
  36
  37
  38
▲ 39 -
          function closeRound() onlyOwner {
              // this can only be done by the owner of the contract
  40
  41
              if (address(currBallot) != 0x0 && currBallot.timeOut()) {
  42 -
  43
                  // get winner
                  address winner = currBallot.winningProposal();
  44
45
                  winLoa(winner);
                  // send to winner - but first make sure the address is valid
  47 -
                  if ( winner == 0x0){
```

Get ballot's address

Execute currBallot call



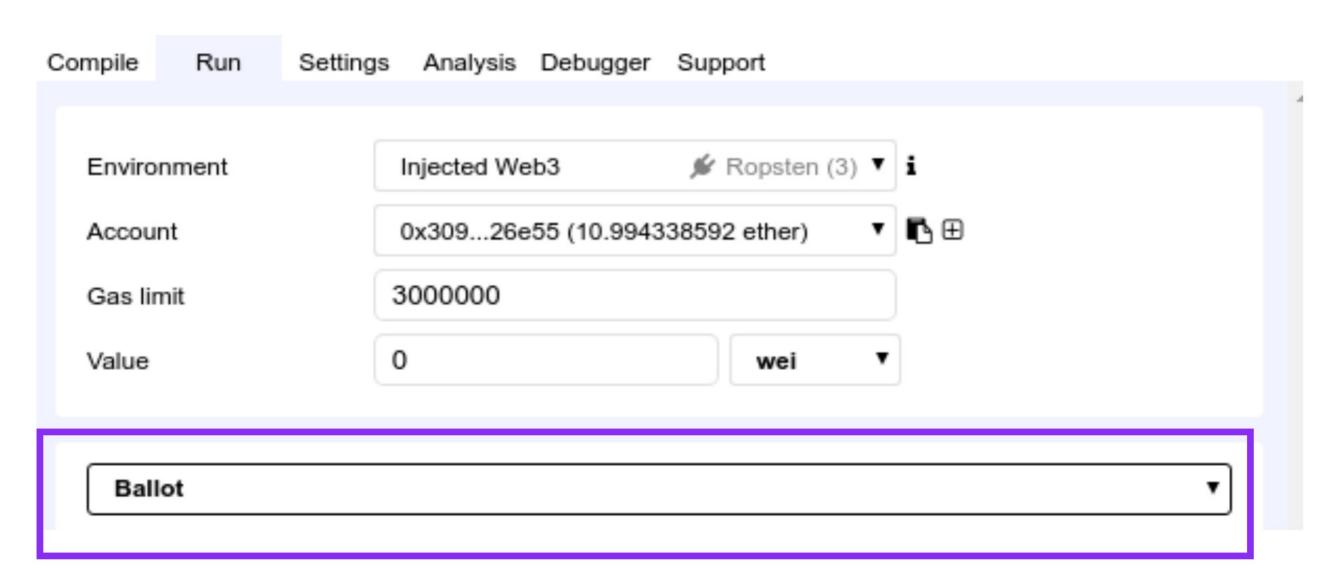
Copy ballot's address

currBallot output



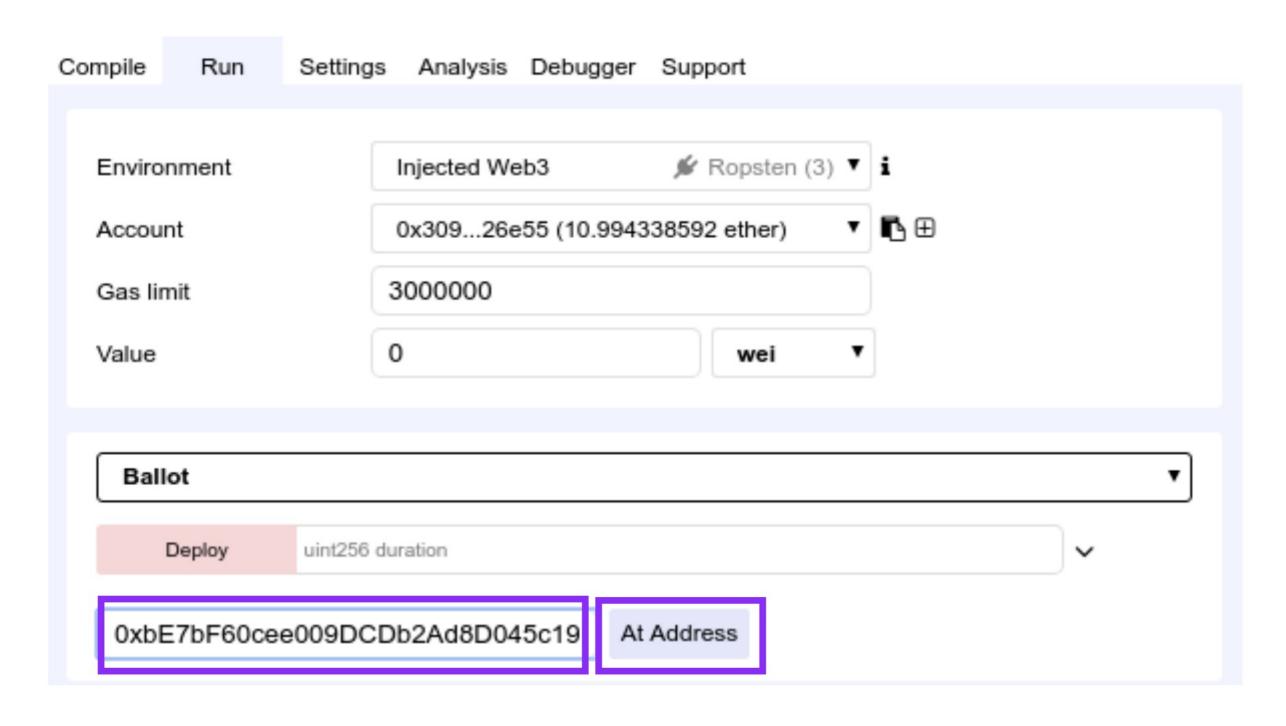
Switch to Ballot

Run tab: dropdown



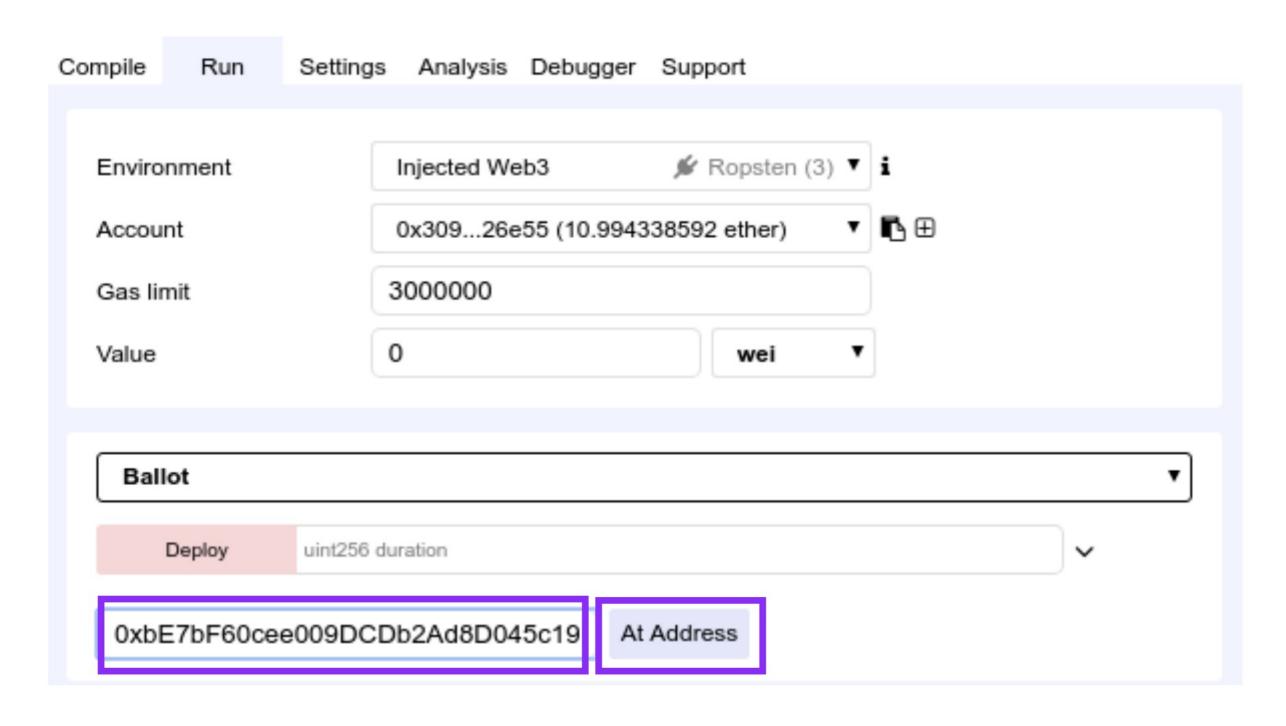
Access Ballot contract

Paste address + click At Address



Access Ballot contract

Paste address + click At Address



See autogenerated UI

(you might need to scroll down)

- Interact with all the functions in the contract
- And all the functions in the inherited contracts

