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CMPE 483 - HW 2 - Lottery Interface

You can access the interface by using this link (<http://3.67.83.253:4000/>). The documentation of each function can be found in HW1 Report.

Lottery (Bloxberg)

[Connect Wallet](#)

TL Token Contract Address: 0x14C33bEda2f357D4145f0E1EE01c96B78d63091B
Lottery Ticket Contract Address: 0xd84478B587cf65782CF30C36cE293966Fb61C3a2
Lottery Contract Address: 0x5E2fFec424e145f564F501a88AF03f30937F5357
My Account Address: 0xddE9f894e5C42B6e14193164bB4F6f5f5b96F2D4
My TL Token Balance: 4294964435
My TL Token Allowance: 250
My Ticket Balance: 6
My Lottery Balance: 200
Current Lottery Number: 2
Lottery Status: Reveal Stage

TL Token Contract Functions

Transfer TL Token (Requires Gas)

Transaction Hash:

[Transfer](#)

Increase TL Token Allowance of Lottery (Requires Gas)

Transaction Hash:

[Increase Allowance](#)

Decrease TL Token Allowance of Lottery (Requires Gas)

Transaction Hash:

[Decrease Allowance](#)

Get Allowance of Lottery

Allowance:

[Get Allowance](#)

Get TL Token Balance

Balance:

[Get Balance](#)

Lottery Ticket Contract Function

Transfer Lottery Ticket (Requires Gas)

Transaction Hash:

Transfer

Get Owner of Lottery Ticket

Owner Address:

Get Owner

Get Lottery Ticket Balance

Balance:

Get Balance

Lottery Contract Function

Deposit TL to Lottery (Requires Gas)

Transaction Hash:

Deposit TL

Withdraw TL from Lottery (Requires Gas)

Transaction Hash:

Withdraw TL

Buy Ticket (Requires Gas)

Transaction Hash:

Buy Ticket

Collect Ticket Refund (Requires Gas)

Transaction Hash:

Collect Refund

Collect Ticket Prize (Requires Gas)

Transaction Hash:

Collect Prize

Reveal Random Number (Requires Gas)

Transaction Hash:

Reveal

Get Lottery Info

Lottery Info:

Get Info

Get Ticket Info

Ticket Info:

Get Info

Get Lottery Balance

Balance:

Get Balance

Check Ticket Prize

Prize:

Check Prize

Get Ith Owned Ticket

Ticket Info:

Get Ticket

Get Last Owned Ticket

Ticket Info:

Get Ticket

Get Ith Winning Ticket

Enter ith number
Enter lottery no

Ticket Info:

Get Ticket

Get Lottery Number

Enter time in unix week

Lottery No:

Get Lottery No

Get Total Lottery Money Collected

Enter time lottery no

Total Lottery Money:

Get Money

Create Hash

Enter random number
Enter commitment key as hash (ex: 0x5891b5b522d5df086d0ff0b110fbd9d21bb4fc7163af34d08286a2e846f6be03)

Hash Random Number:

Create Hash

Check Commitment Key

Enter ticket id
Enter random number
Enter commitment key

Status:

Check Key