



SMART WASTE MANAGEMENT SYSTEM

Blockchain Based System



2022

REGISTRATION

Smart Waste Management System

Customer RegistrationCommittee Registration

Customer Registration

Full Name

Address Line One

Address Line Two

Password

Confirm Password

Connect the account

Connecting the wallet

Customer Registration

Full Name

Address Line One


Address Line Two

Password

Confirm Password

Connect the account




Register as a customer

 Hardhat node

Connected

Account 5
0x709...79C8

10000 GO
\$65.06 USD

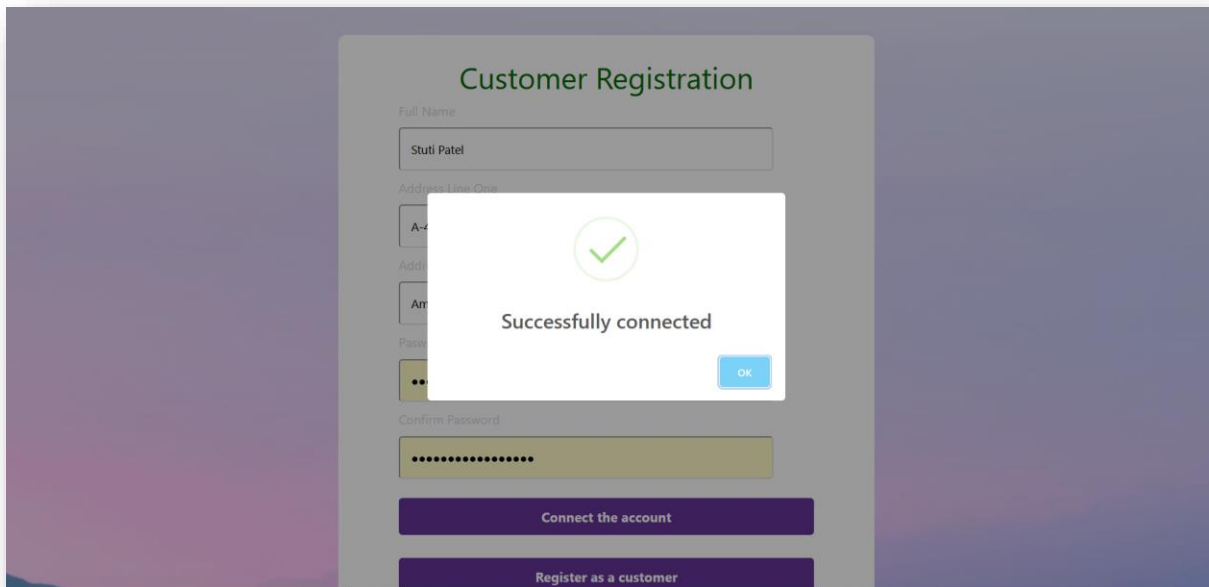
 Buy  Send  Swap

AssetsActivity

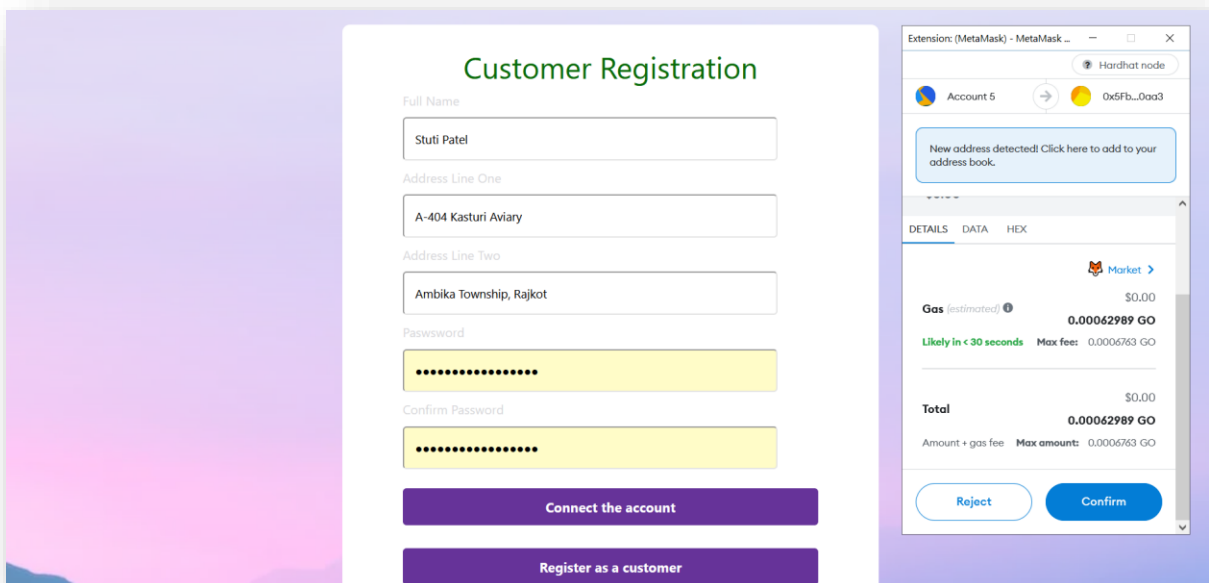
[Portfolio site](#)

You have no transactions

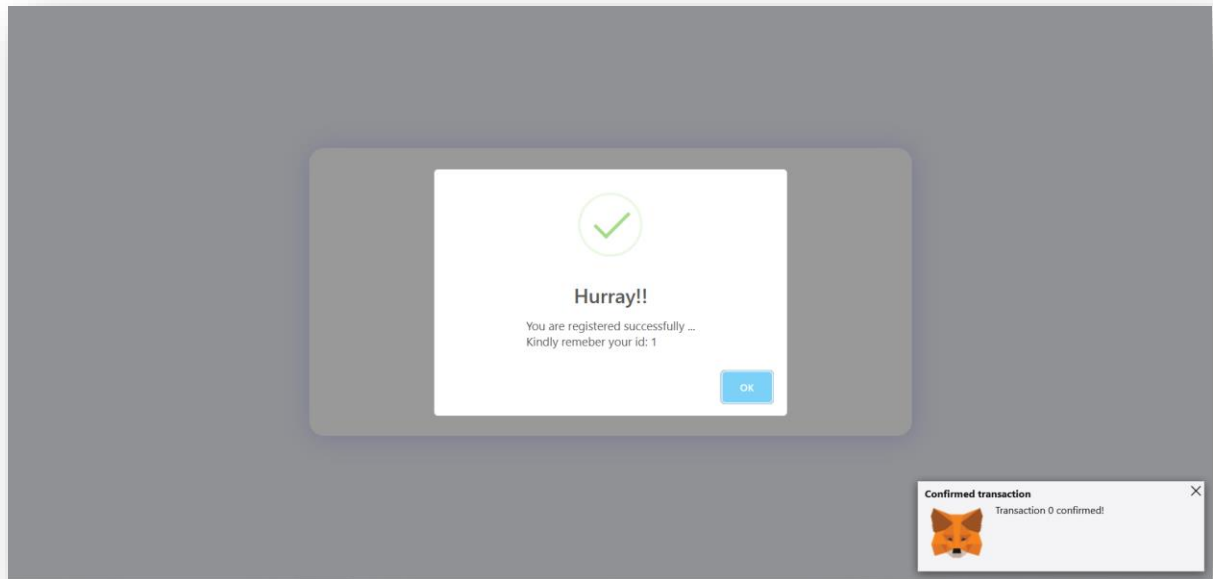
Need help? Contact [MetaMask support](#)



Registering Customer



Successful Registration



LOG IN

SIGN IN

✉ 1

***.....

Connect Wallet

LOGIN

Don't have an account ? [Register](#)

Smart Waste Management System

Add Waste

History

Account

Logout



Hurray

Logged in Successfully

OK

Call Committee member

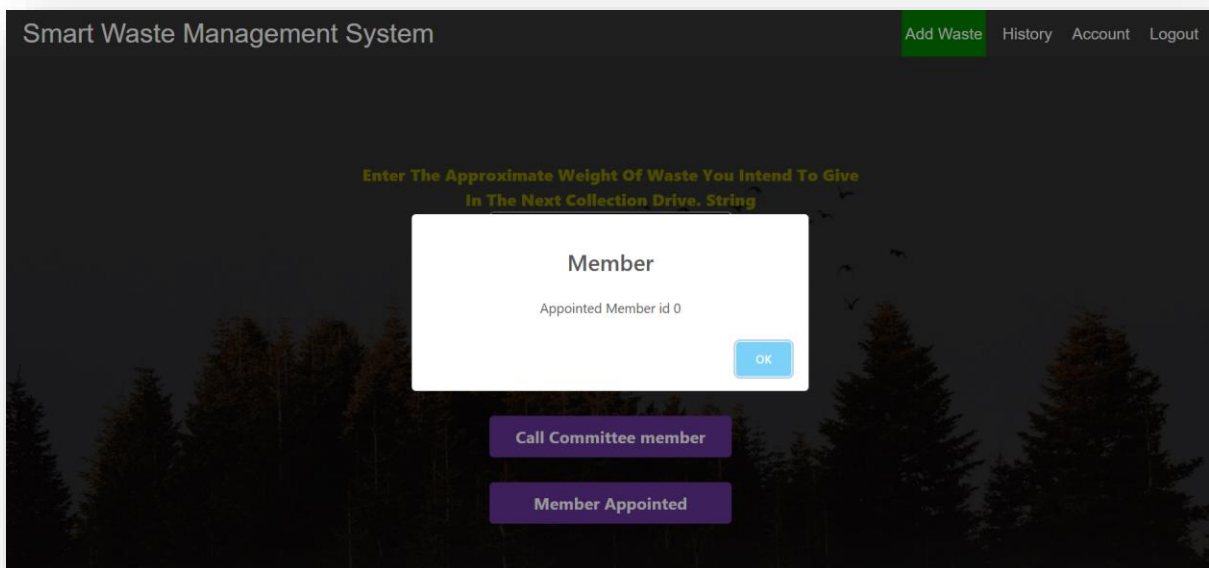
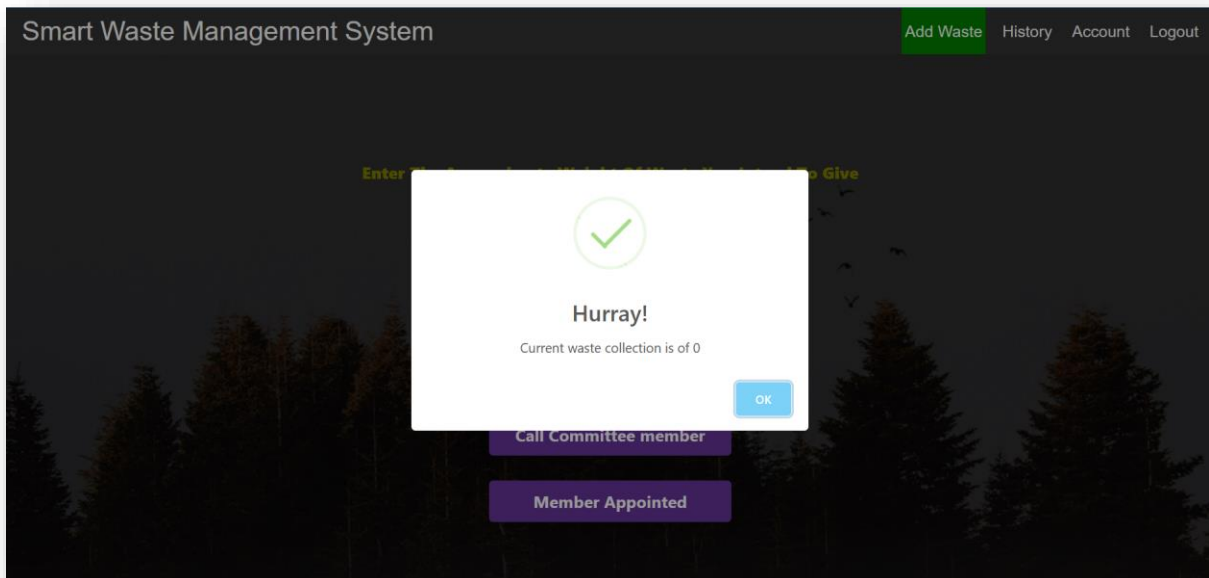
Member Appointed

Confirmed transaction

Transaction 1 confirmed!



CUSTOMER PORTAL



Adding waste below the limit

Smart Waste Management System

Add Waste

History

Account

Logout

Enter The Approximate Weight Of Waste You Intend To Give In The Next Collection Drive. String

200

Add Waste

Current Waste

Call Committee member

Member Appointed

Smart Waste Management System

Add Waste

History

Account

Logout

Enter The Approximate Weight Of Waste You Intend To Give In The Next Collection Drive. String

200

Add Waste

Current Waste

Call Committee member

Member Appointed

Extension: (MetaMask) - MetaMask ...

Hardhat node

Account 5 → 0x5fb_09a3

New address detected! Click here to add to your address book.

DETAILS DATA HEX

Market >

Gas (estimated) 0.00010226 GO

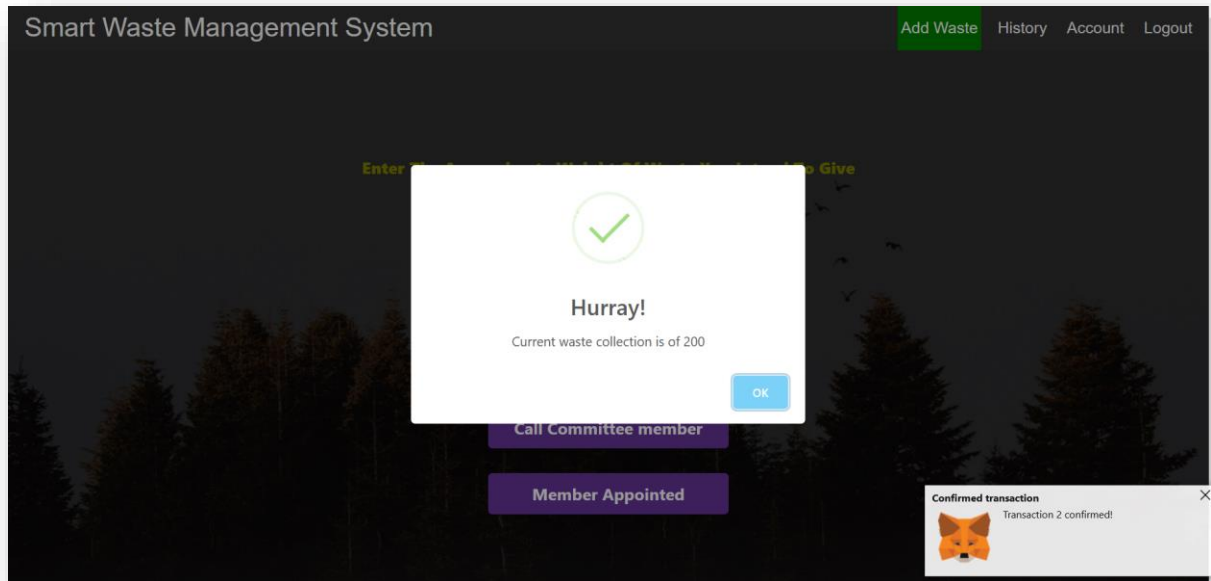
Likely in < 30 seconds Max fee: 0.00010872 GO

Total 0.00010226 GO

Amount + gas fee Max amount: 0.00010872 GO

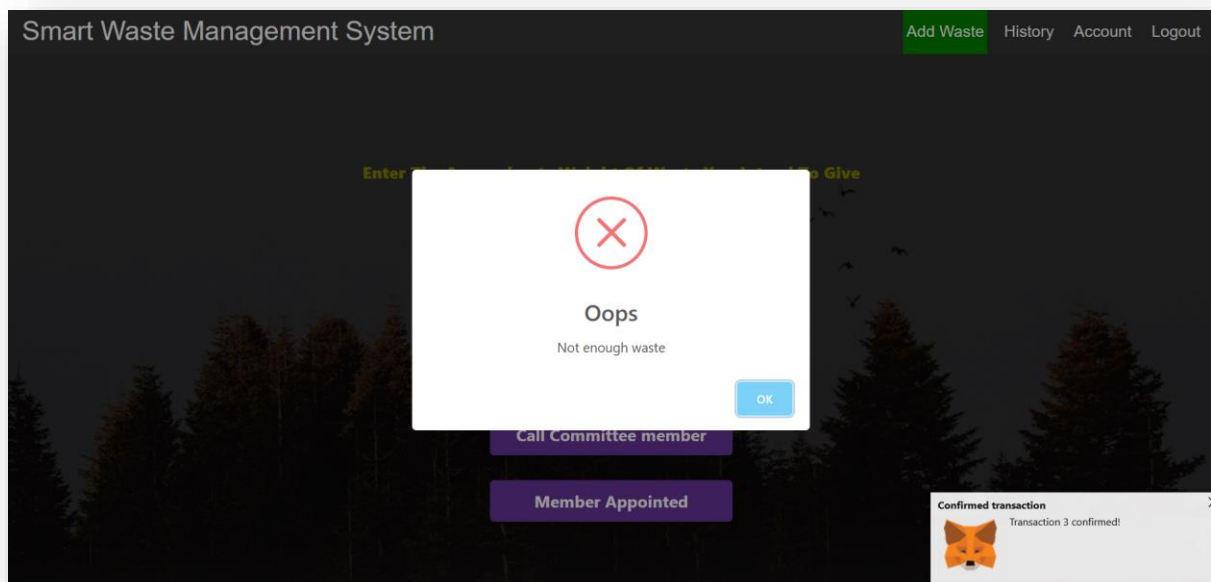
Reject Confirm

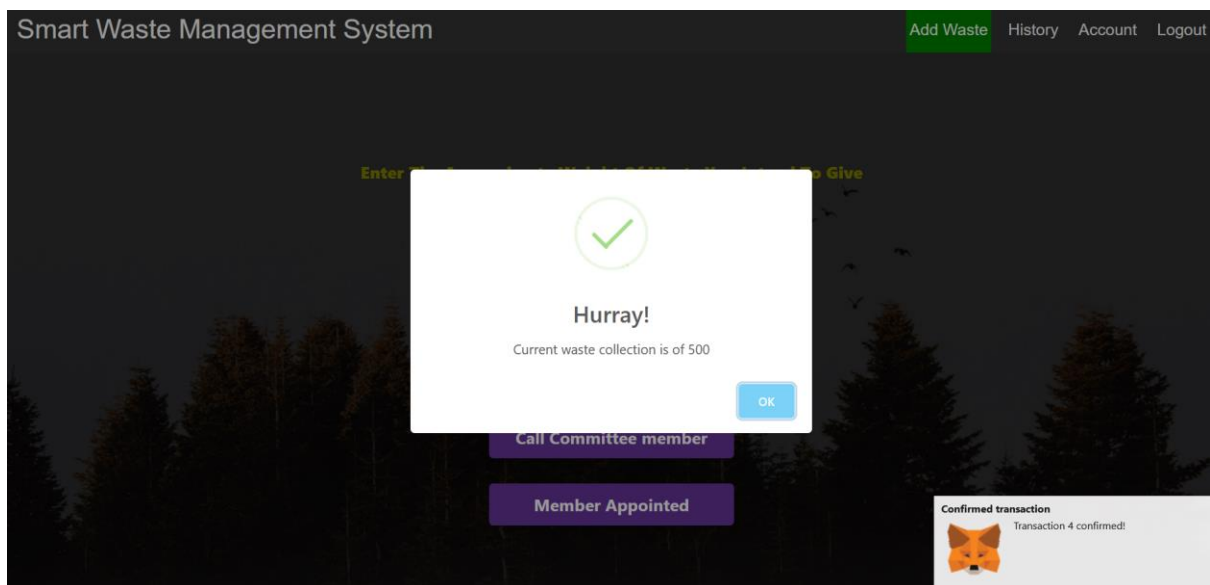
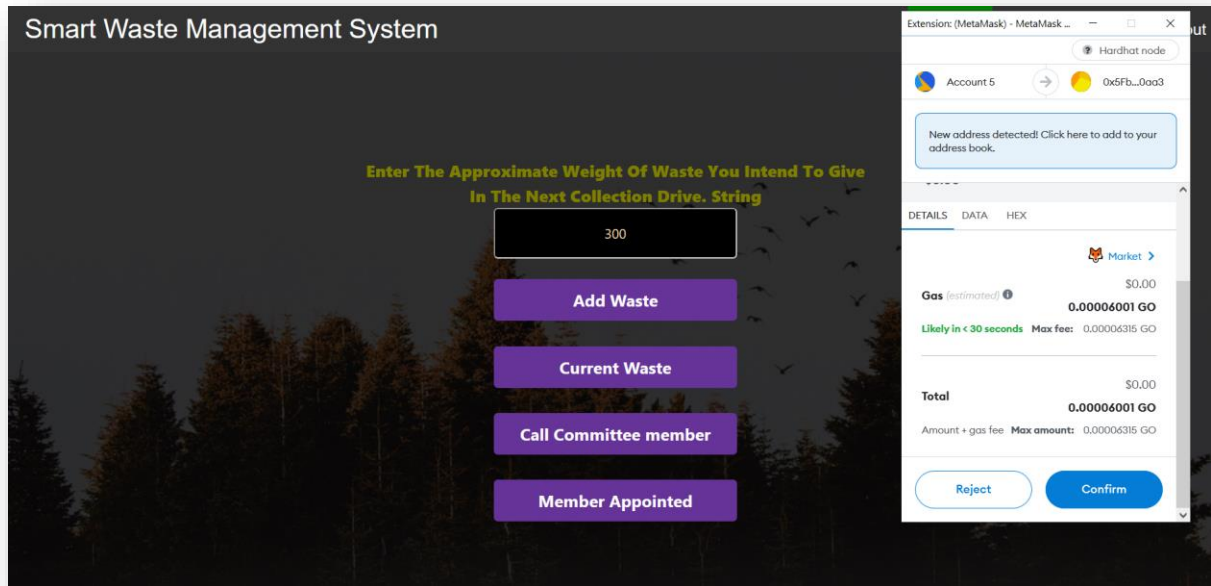
After adding 200g waste



On calling the committee number

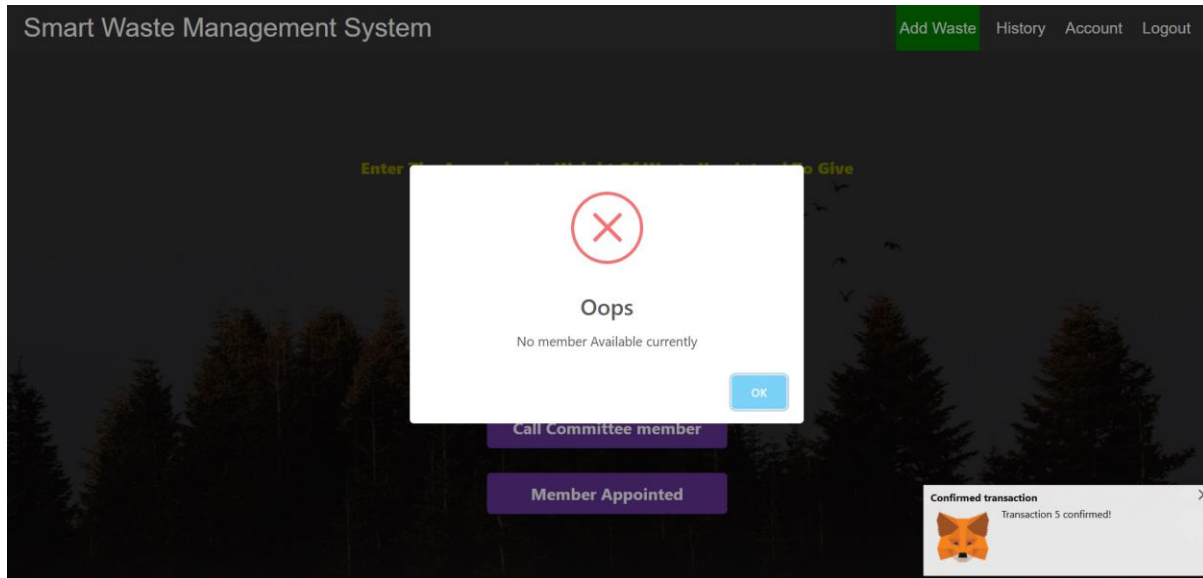
Since the minimum limit is 500g





On calling the member

Since No member is available



Cur History



REGISTER COMMITTEE MEMBER

Committee Registration

Full Name

Contact Number

Password

Confirm Password

Connect the account

Register as a member

Committee Registration

Full Name

Contact Number

Password

Confirm Password

Connect the account

Register as a member

Extension: (MetaMask) - MetaMask

Hardhat node

Account 6 → 0x5Fb...0aa3

New address detected! Click here to add to your address book.

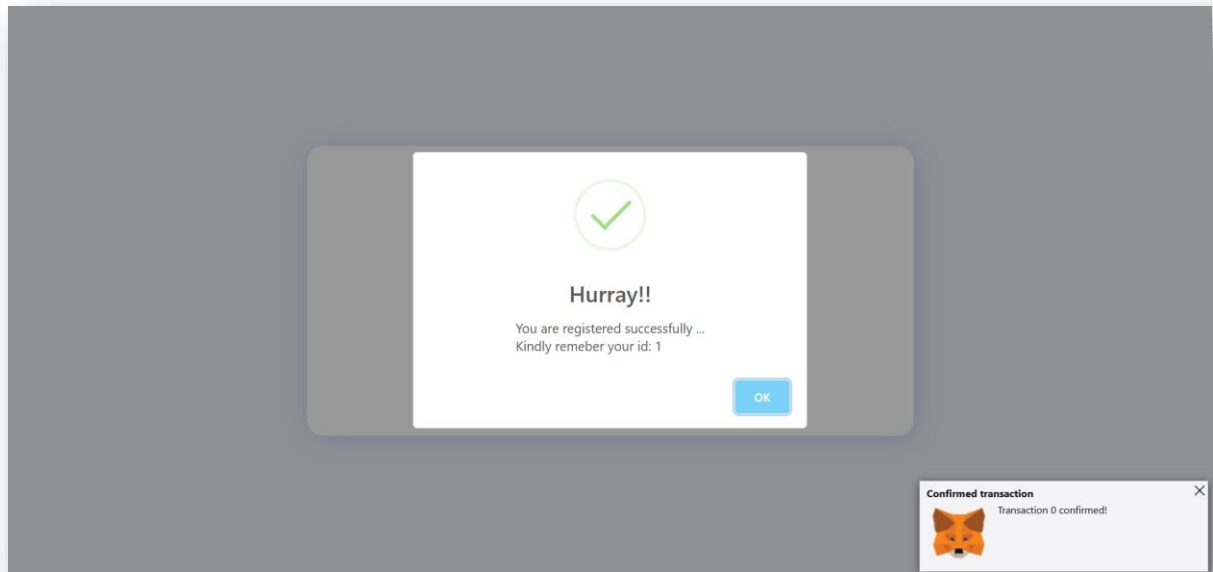
DETAILS DATA HEX

Market

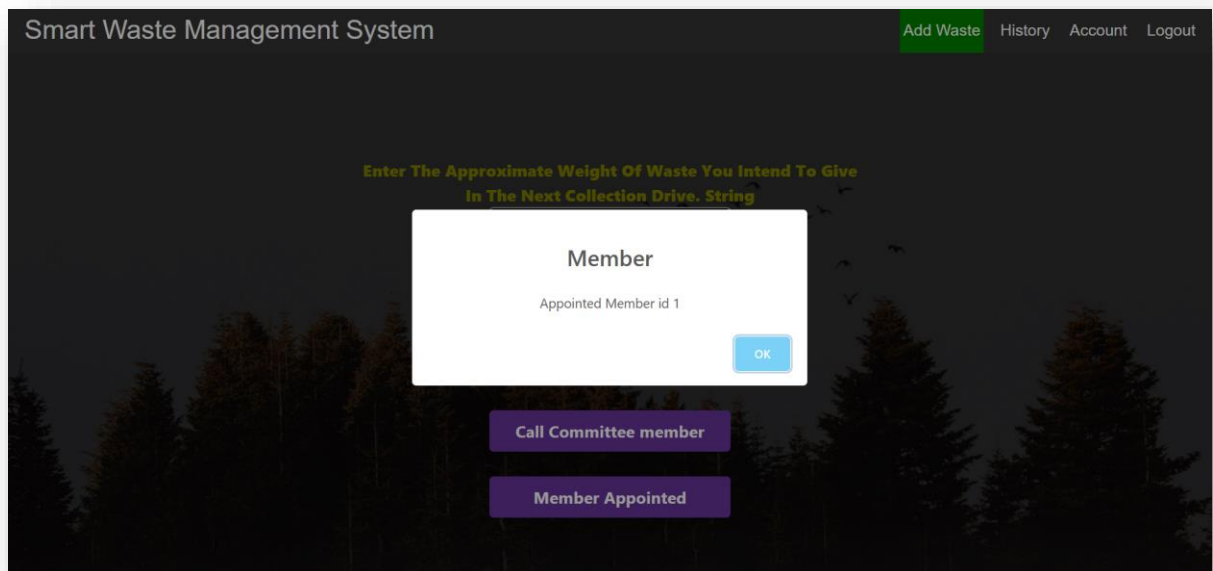
Gas (estimated) \$0.00
0.00051654 GO
Likely in < 30 seconds Max fee: 0.00053857 GO

Total \$0.00
0.00051654 GO
Amount + gas fee Max amount: 0.00053857 GO

Reject Confirm



Automatically appointed member in Customer by the smart contract



Smart Waste Management System

Add WasteHistoryAccountLogout

Pending

Collected By :
Id : 1
Name : Rahil Rao

Committee Id : 1
Amount Collected In Grams:
Total : 500

Price : 0

Collected

No completed Order

On committee Side

Smart Waste Management System

Pending TasksHistoryAccountLogout

Address :
A-404 Kasturi Aviary
Ambika Township, Rajkot

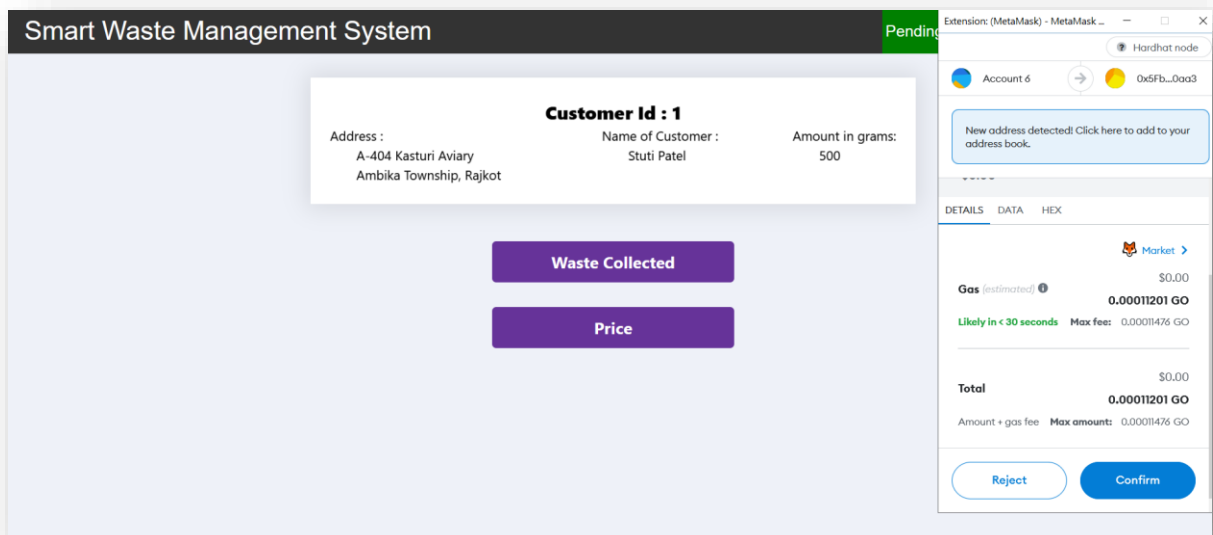
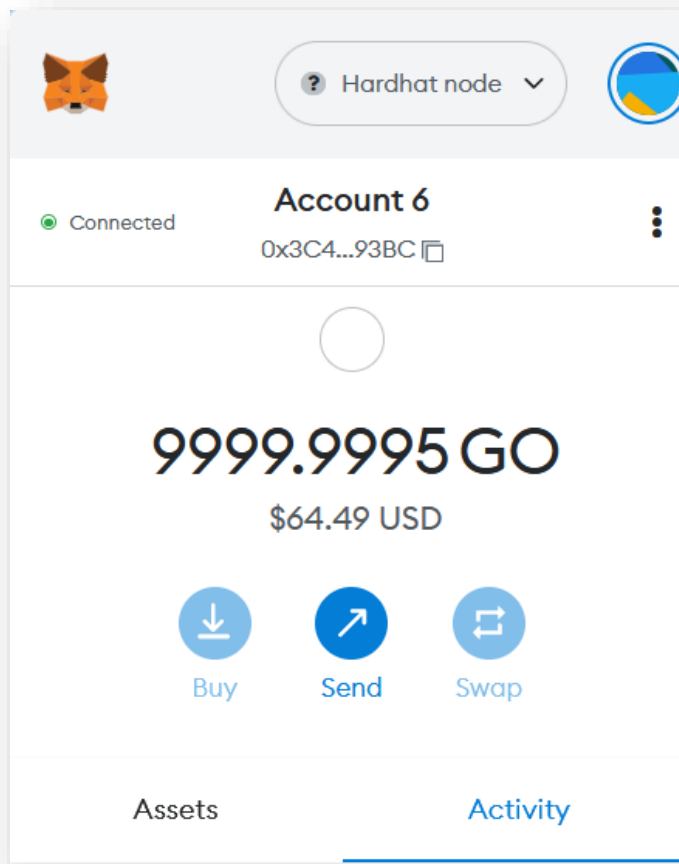
Customer Id : 1
Name of Customer :
Stuti Patel

Amount in grams:
500

Waste Collected

Price

Members account before updating



Second Transaction for sending price to customer

Smart Waste Management System

Customer Id : 1

Address :
A-404 Kasturi Aviary
Ambika Township, Rajkot

Name of Customer :
Stuti Patel

Amount in grams:
500

Waste Collected

Price

Extension: (MetaMask) - MetaMask

Hardhat node

Account 6
0x5Fb...0aa3

New address detected! Click here to add to your address book.

http://localhost:3000

0x5Fb...0aa3 : CONTRACT INTERACTION

6.626 GO
\$0.04

DETAILS DATA HEX

Market

Gas (estimated) \$0.00
0.00037259 GO
Likely in < 30 seconds Max fee: 0.0003807 GO

Total \$0.04
6.62637259 GO

After transaction

Smart Waste Management System

Customer Id : 1

Address :
A-404 Kasturi Aviary
Ambika Township, Rajkot

Name of Customer :
Stuti Patel

Amount in grams:
500

Waste Collected

Price

Hardhat node

Logout

Connected Account 6
0x3C4...93BC

9993.373 GO
\$64.40 USD

Buy Send Swap

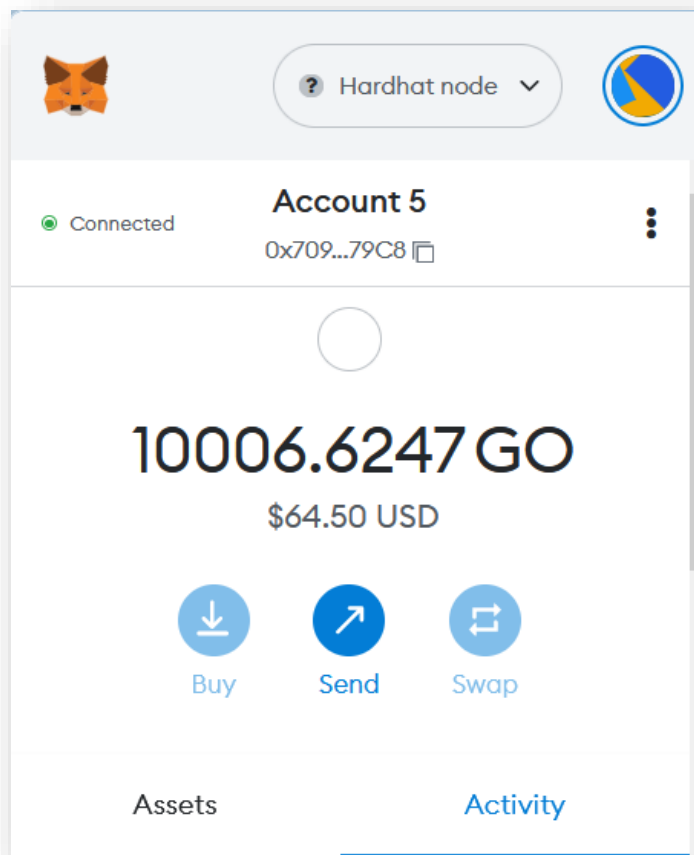
Assets Activity

Portfolio site

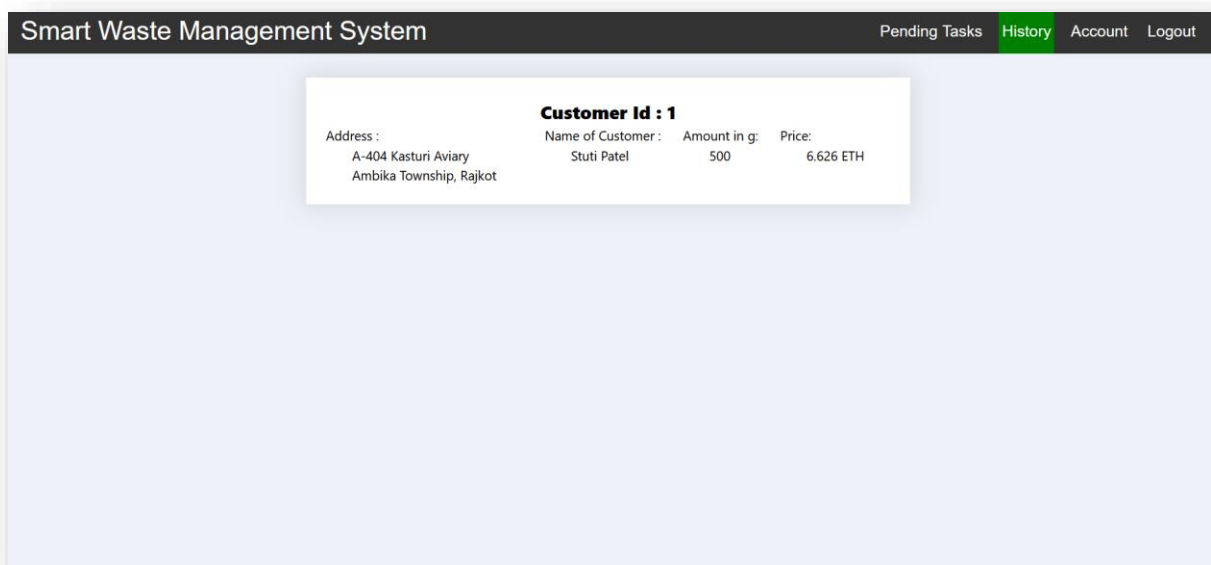
Contract interaction
Dec 5 - localhost:3000 -6.626 GO
-\$0.04 USD

Confirmed transaction
Transaction 3 confirmed!

Deposited in customer account



Committee member's history



Customer's History

Smart Waste Management System

Add Waste

History

Account

Logout

Pending

No Requests Pending

Collected

Collected By :

Id : 1

Name : Rahil Rao

Committee Id : temp

Amount Collected In Grams:

Total : 500

Price : 6.626 ETH