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# EcoCoin

TURNING BOTTLES INTO GREEN REWARDS!

Abstract

Abstract

Will be scrollable (not side-by-side)

Abstract

## Eco Coin

### Abstract

This independent research project focuses on the development of a green blockchain coin(token). The aim is to create an environmentally friendly digital currency that can be earned by participating in recycling programs, and will encourage support of local businesses.

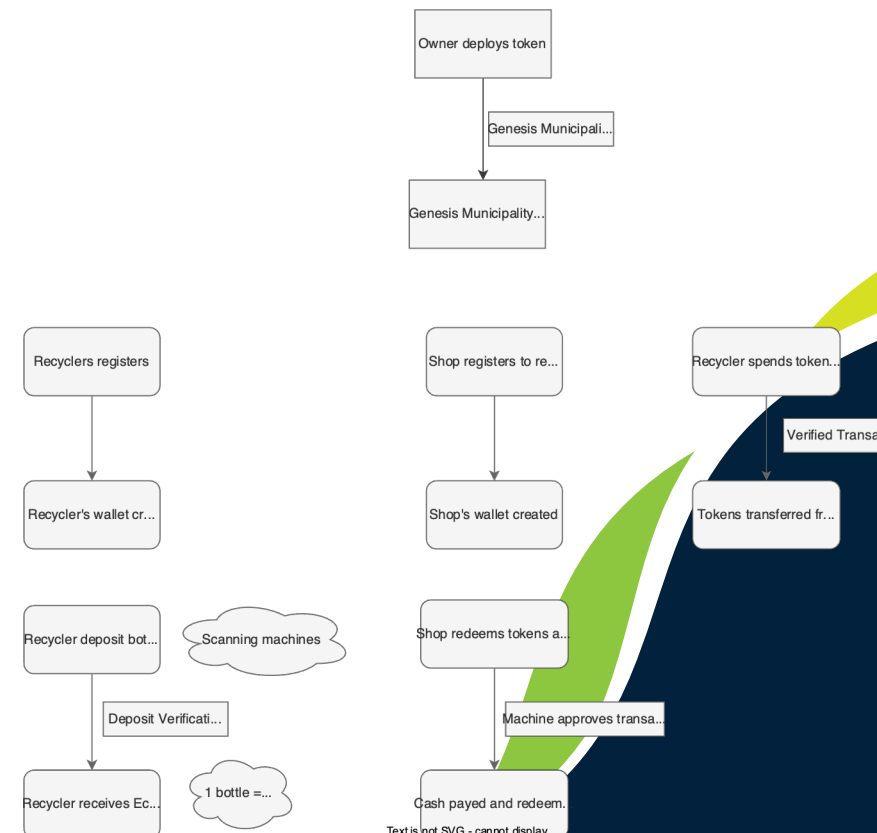
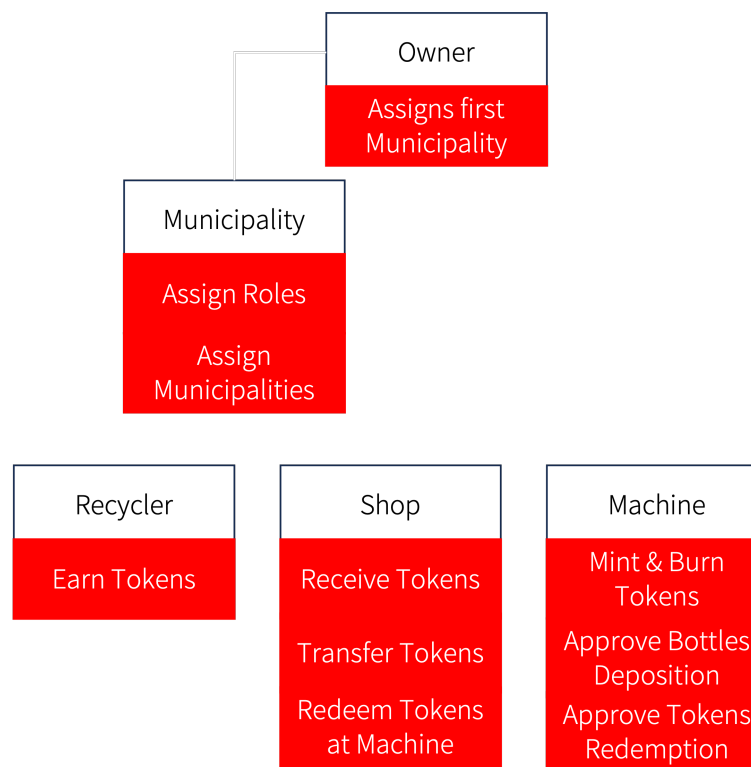
The concept of the green blockchain coin is based on a decentralized platform that incentivizes individuals to recycle bottles. Participants will receive digital credits for each bottle they recycle. These credits can then be exchanged for goods and services only at small and local businesses.

**Besides the obvious positive ecological effect, the blockchain will run on a platform implementing the Proof Of Stake consensus protocol rather than the energy-consuming Proof Of Work agreement protocol.**

To develop this green blockchain coin, several tools will be required: A strong understanding of blockchain technology will be necessary, as well as programming skills to develop the smart contract. I will build the solution in an Ethereum environment, in which the smart contracts will be developed in Solidity and the application in Python. Additionally, knowledge of sustainable practices and recycling programs will be essential to ensure the coin's success.

The use case for the green blockchain coin is to encourage people to recycle more by providing a financial incentive. This will reduce waste and increase sustainability and provide a new way for individuals to earn money while helping the environment.

In conclusion, the green blockchain coin is a promising project that utilizes blockchain technology and sustainable practices to incentivize recycling. The project requires a combination of technical knowledge and environmental awareness to develop a platform that can significantly impact the environment and society.





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Assign  
Municipality

Register

Deposit

Register  
Machine

Redeem

Spend

Approve  
Shop



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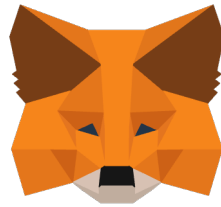
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Register



Connect Wallet

Full Name

Register

Please enter your full name, and  
connect your Web3 wallet using  
Google Chrome



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Deposit

Please enter the ID of the correct  
exchange machine you wish to  
deposit your bottles.

Machine ID

Amount of  
Bottles

Deposit



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Zip Code

### Businesses in

**70535:**

Café Mosaic – 1  
Ruby's Café – 2  
Nick's on 2<sup>nd</sup> – 3  
The Gentleman's  
Barbershop – 4  
Reventè – 5  
Gossip - 6

Spend

Enter the ID of the shop you wish to spend your tokens, and the amount of tokens needed.

Shop ID

Tokens Amount

Spend



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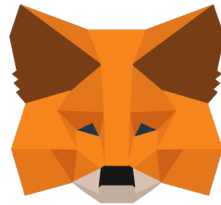
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Assign  
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Connect Wallet

Municipality  
Wallet Address

Municipality  
Zip Code

Assign  
Municipality

Please enter the wallet's address of  
the new municipality, and its zip  
code.



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Register  
Machine

Please enter the wallet's address of  
the new machine, and its zip code.

Machine  
Wallet Address

Machine  
Zip Code

Register  
Machine



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Shop

Approve  
Shop

Please enter the ID of the shop as provided to you, and approve / deny the shop's request.

Shop ID

Approve / Deny

Approve Shop



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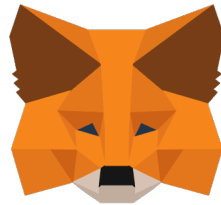
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Shop

Register

Redeem

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Registration](#)

Enter the shop's name, type (coffee/clothing/restaurant/etc..) and zip code. Please note, a municipality's approval of the registration is **required!**



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Redeem

Please enter the exchange machine's ID you wish to redeem with, your CashApp's username to receive real funds, and the amount of tokens you wish to redeem.

Machine ID

CashApp  
Username

Tokens Amount

Redeem