



# Women's Empowerment:

WE stand together for  
empowering women at home  
and abroad





## Collaborators:

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## Github Repository:

<https://github.com/zvahidy/WE-Shop-Marketplace.git>

# Tech Stack:



- 1 Version control: Github, Google Docs
- 2 Front-end and Deployment: Streamlit
- 3 Programming Languages: Python, Solidity
- 4 Presentation: Canva deck followed by Streamlit and crowdsale contract demo
- 5 Development tools: Remix IDE, Jupyter Notebook, Visual Studio
- 6 Blockchain tools: Ganache, Metamask, Open Zeppelin(ERC20,ERC20Detailed,ERC20Mintable, CappedCrowdsale, TimedCrowdsale, RefundablePostDeliveryCrowdsale)

# Project Overview:

We will be creating a decentralized marketplace where users will be able to buy, sell, and auction items.





This marketplace  
will be value-  
centered -

All purchases and items will  
contribute to women's  
charities both here and abroad

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<https://www.neemaproject.org>

# We will launch a crowdsale to fund Neema Project,

A small nonprofit in Kenya that works to break the cycle of extreme poverty by offering skills training to young women. Our goal is to raise 400 ETH from this crowdsale by minting ERC 20 tokens with the help of open zeppelin in solidity. To achieve this , we'll use advanced solidity concepts to create a crowdsale of new token called "Kikecoin". The token will allow you to purchase items in the marketplace.

# What is the Neema Project?

Neema Project provides skills training, counseling & discipleship to young women in Kenya. Helps unleash opportunity to break the cycle of extreme poverty.



# Coding the crowdsale smart contracts:

We have created and compiled 3  
smart contracts for ths crowdsale:

## 1. KikeCoin:

This cntract is responsible  
for creating our KikeCoin  
token.Initial supply is 0,  
tokens will be minted as  
funds are raised.This can  
be varified by clicking the  
totalsupply button of the  
contract.

## 2. KikeCoinCrowdsale:

This contract allows us to buy tokens, check balance, finalize the crowdsale, goal reached and claim refunds among other functionality.

## 3. KikeCoinCrowdsale Deployer:

This contract is a helper contract to setup, configure and deploy our KikeCoin and KikeCoinCrowdsale contracts. It creates two contract addresses: 1 for the token address and another for the token sale address that used to deploy both the contracts.

*Note that to fill in the cap and goal parameters, WE used this ETH converter <https://eth-converter.com> to convert 400 ETH to wei.*