# HACKOWASP 5.0

# PROJECT PROPOSAL

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# TEAM SYNERGY

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01

# PLANET COIN

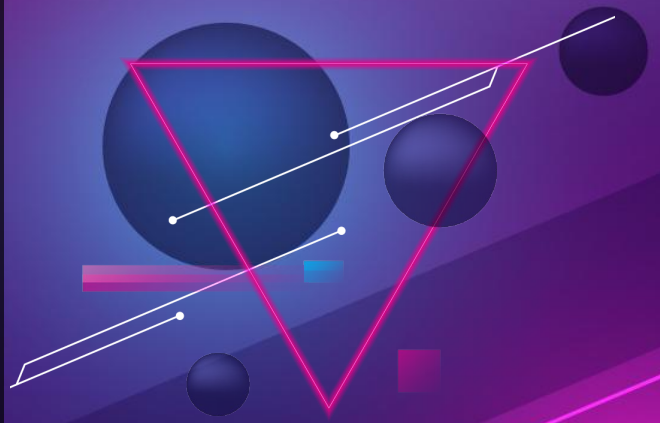
Recycling made Rewarding

# PROBLEM STATEMENT-VERBWIRE (SPONSORED TRACK)

"Limited resources and lack of incentives often prevent small businesses from implementing effective recycling programs, resulting in increased waste and missed opportunities for businesses to promote their social and environmental responsibility.

# SYNOPSIS

The project aims to address this problem by creating a secure and transparent smart contract on a blockchain platform that enables businesses to reward their customers for participating in recycling activities, promoting sustainability and benefiting both businesses and customers."



# TECH STACK

. Solidity and Ethereum:

Solidity is a popular programming language used for writing smart contracts on the Ethereum blockchain. Ethereum is the most widely used blockchain platform for smart contract development, with a large and active developer community. The tech stack for Solidity and Ethereum includes tools like Remix IDE, Truffle Framework, and Web3.js.

# USE CASES

A smart contract can be used for recycling to incentivize individuals to recycle by rewarding them with digital tokens that can be exchanged for goods or services. Here's an example scenario:

Let's say there is a small business that sells environmentally-friendly products, such as reusable water bottles and bags. The business wants to encourage its customers to recycle their old plastic bottles and bags by offering them a reward in the form of digital tokens. To do this, the business can create a smart contract on a blockchain platform, such as Ethereum. The smart contract would specify the terms of the recycling program, such as: Customers can bring in their plastic bottles and bags to the store for recycling. For every 10 bottles or bags that a customer recycles, they will receive 1 digital token. The tokens can be exchanged for discounts on the store's products, such as 10% off a reusable water bottle.The smart contract would keep track of each customer's token balance and prevent them from transferring tokens to unauthorized addresses. This ensures that the tokens are used for their intended purpose and cannot be fraudulently redeemed.

# THANK YOU