




One Stop NFT Creator

DIANGA MICHAEL - TEAM HACK
UNIVERSITY OF NAIROBI



Explanation

`mintNFT(algodClient, creatorAddress, creatorPrivateKey, assetName, assetUnitName)`: This function takes in the Algod client object, the creator's Algorand address, the creator's private key, the name of the NFT asset, and the unit name for the asset. The function creates a new NFT on the blockchain network using the `AssetConfigTxn` transaction. The function returns the asset ID of the newly created NFT.



`TransferNFT(algodClient, assetID, senderAddress, senderPrivateKey, receiverAddress, receiverPrivateKey)`: This function takes in the Algod client object, the ID of the NFT to transfer, the sender's Algorand address, the sender's private key, the receiver's Algorand address, and the receiver's private key. The function transfers the NFT from the sender to the receiver using the `AssetTransferTxn` transaction. The function returns the transaction ID of the transfer.

`wait_for_confirmation(client, transaction_id)`: This function takes in the Algod client object and the transaction ID to wait for confirmation. The function waits for the transaction to be confirmed by the network and returns the transaction information.