

Sneaky

Description:

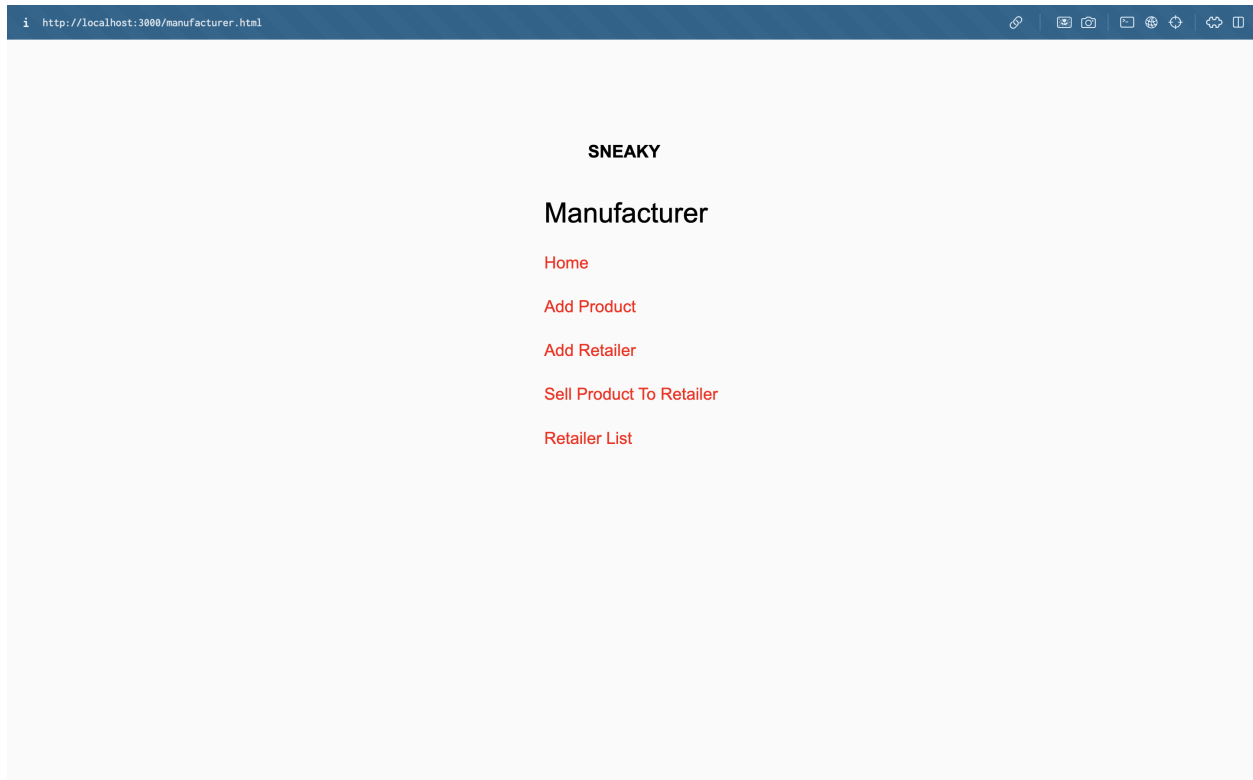
This project aims to improve authenticity in supply chain using blockchain technology this solves the problem of transparency, verification in blockchain by assigning unique QR codes to each product and tracking the the item through every step of the supply chain.

User flow:

Home page:



Manufacturer page:



Add product as manufacturer:

http://localhost:3000/addProduct.html

Manufacturer ID

1

Product Name

shoe

Product Brand

LV


Product Serial No:

25

Product Price

500000

Add the Product



Download QR Code

Estimated fee

0.00411516

0.00411516 ETH

Max fee: 0.00411516 ETH

Total

0.00411516

0.00411516 ETH

Amount + gas fee

Max amount: 0.00411516 ETH

Reject

Confirm

Add a retailer:

http://localhost:3000/addSeller.html

Menu

SNEAKY

Add Retailer

Name

Hugh

Code

99

Manager

Jack

Manufacturer ID

1

Add the Retailer

Brand

Jass

Phone Number

98

Address

na

Estimated fee

0.00422776

0.00422776 ETH

Max fee: 0.00422776 ETH

Total

0.00422776

0.00422776 ETH

Amount + gas fee

Max amount: 0.00422776 ETH


Reject

Confirm

Use the qr to verify the procees of selling the product to retailer:

http://localhost:3000/sellProductManufacturer.html

Sell Product to Retailer



Choose Another - 25.png

Or drop an image to scan

[Scan using camera directly](#)

25

Product Serial No:

Retailer Code

[Sell to Retailer](#)

We can verify that manufacturer 1 has sold the product to retailer:

http://localhost:3000/querySeller.html

SNEAKY

Menu

Find Retailers

Manufacturer Code

1

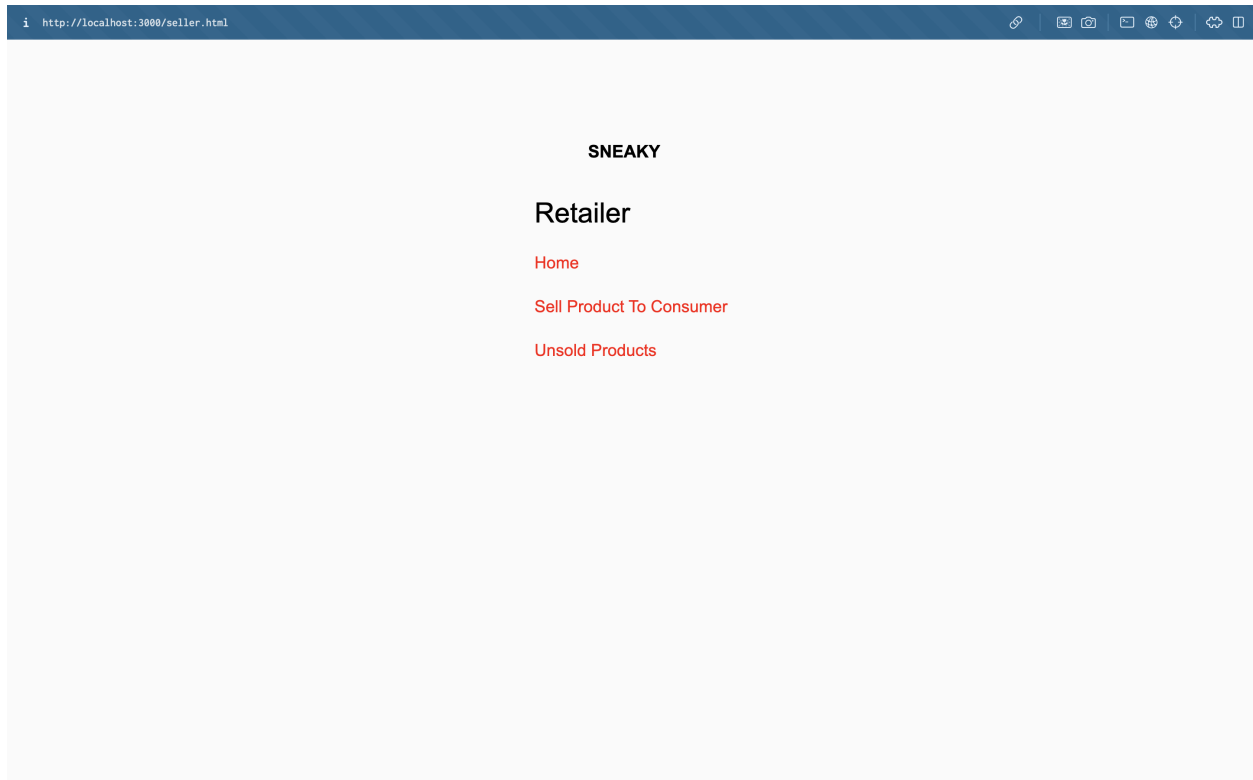
Get Retailers

Retailers

ID	Name	Brand	Code	Phone Number	Manager	Address
0	W	asics	1	98	1	na
2	james	veg non-veg	3	98	milner	na
3	k	l	20	98	milner	na
4	Hugh	Jass	99	98	Jack	na

Your address is 0x3c7b76cea43d94145fbad846ee7de99eac0eefd3

Retailer page:



We can observe the retailer has received the item:

http://localhost:3000/queryProducts.html

SNEAKY

Menu

Unsold Products

Retailer Code

99

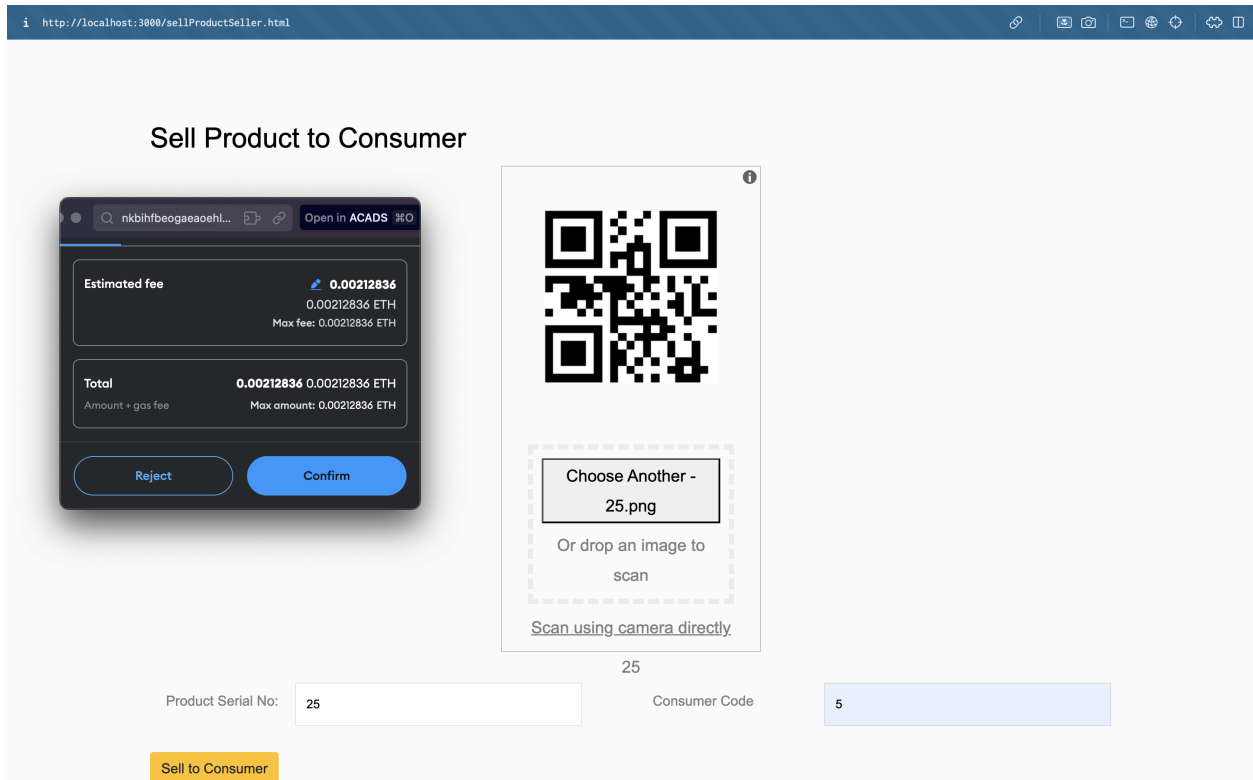
Submit

Product Details

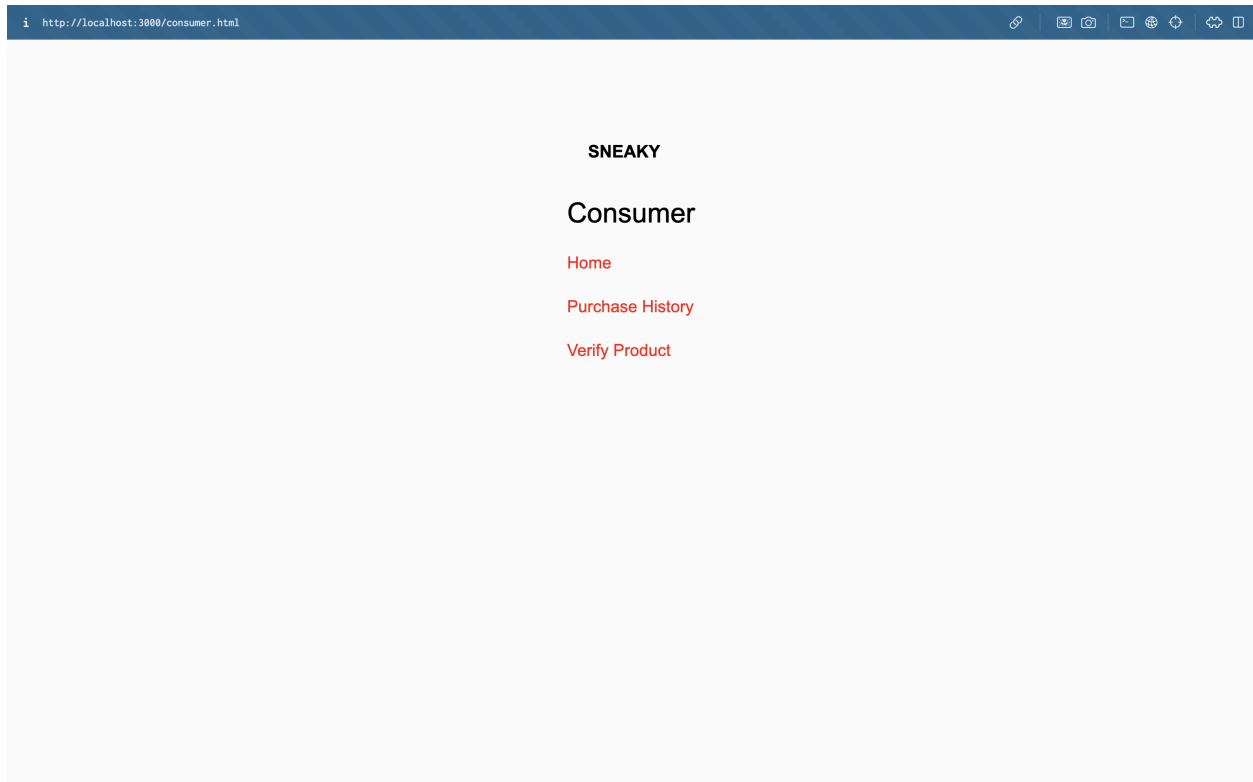
Product ID	Product Serial Number	Product Name	Product Brand	Product Price	Product Status
10	25	shoe	LV	500000	Available

Your address is 0x3c7b76cea43d94145fbad846ee7de99eac0eefd3

Use the product qr code to sell it from retailer to consumer:



Consumer page:



We can see that the product has been purchased:

http://localhost:3000/consumerPurchaseHistory.html

SNEAKY

Menu

Consumer Product History

Consumer Code

5

Get Products


Products purchased by consumer

Product Serial No	Retailer Code	Manufacturer Code
6	1	1
25	99	1

Your address is 0x3c7b76cea43d94145fbad846ee7de99eac0eefd3

Verifying authenticity of product by using the qr code:

http://localhost:3000/verifyProducts.html



Choose Another - 25.png

Or drop an image to scan

[Scan using camera directly](#)

25

Product Serial No:

25

Consumer Code

5

Verify

Product Verification Result

Genuine Product.

If a different consumer code is entered the product is determined as fake as that product has been sold to consumer with code 5.

http://localhost:3000/verifyProducts.html

Choose Another - 25.png

Or drop an image to scan

[Scan using camera directly](#)

Product Serial No:

25

Consumer Code

67

Verify

Product Verification Result

Fake Product.

Your address is 0x3c7b76cea43d94145fbad846ee7de99eac0eefd3