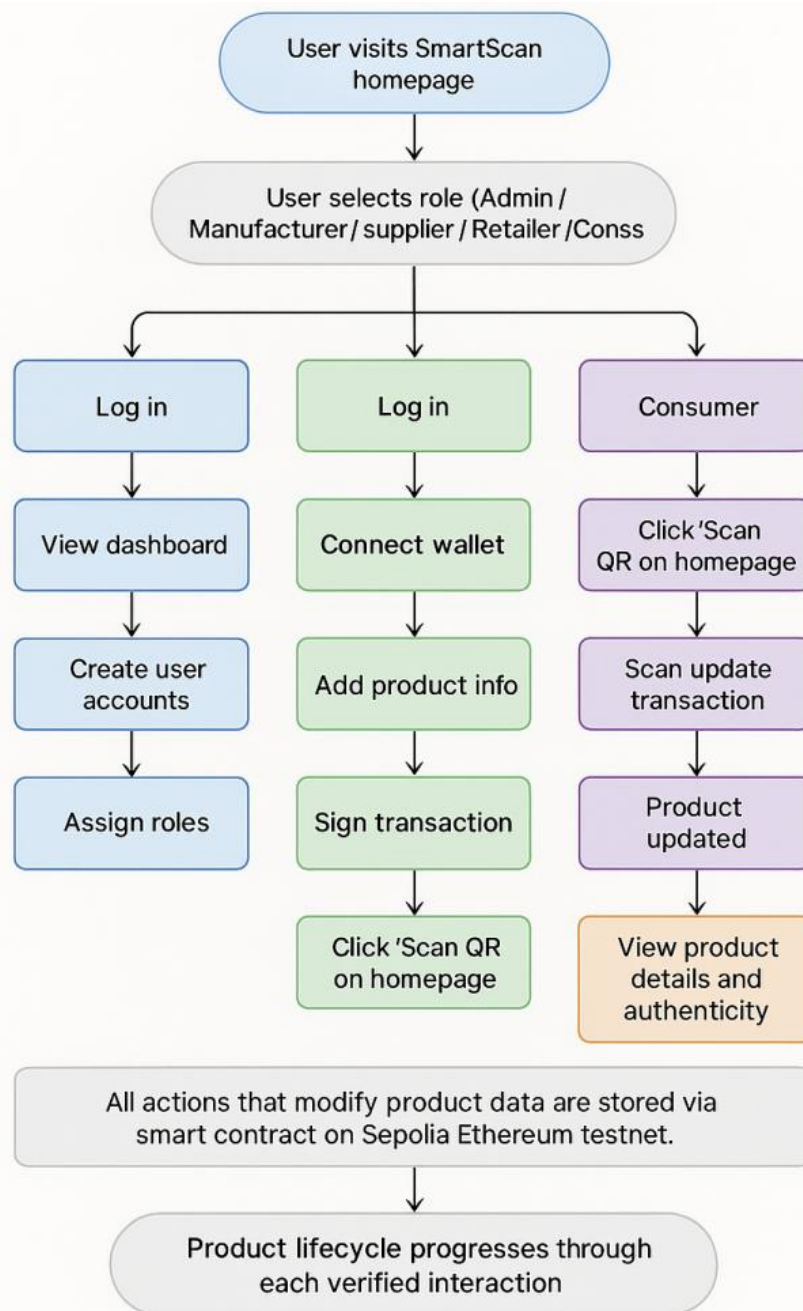
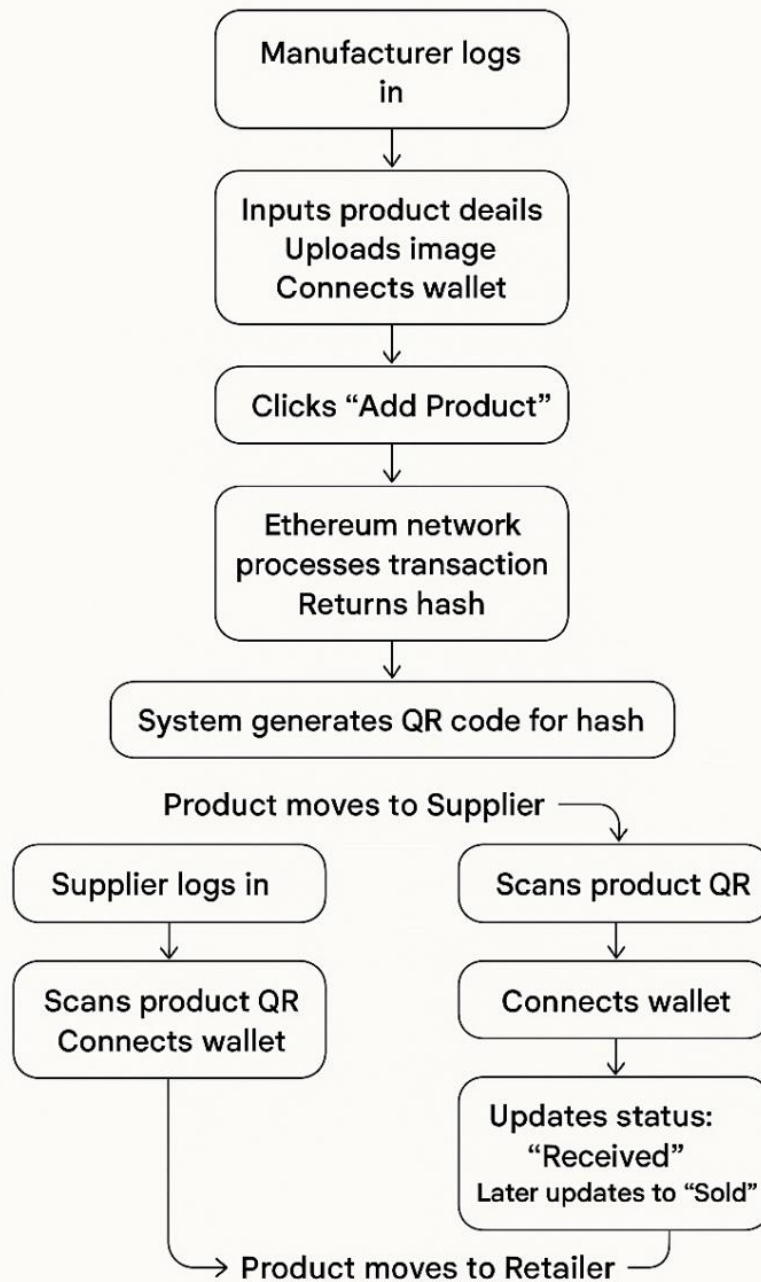


# General System Workflow

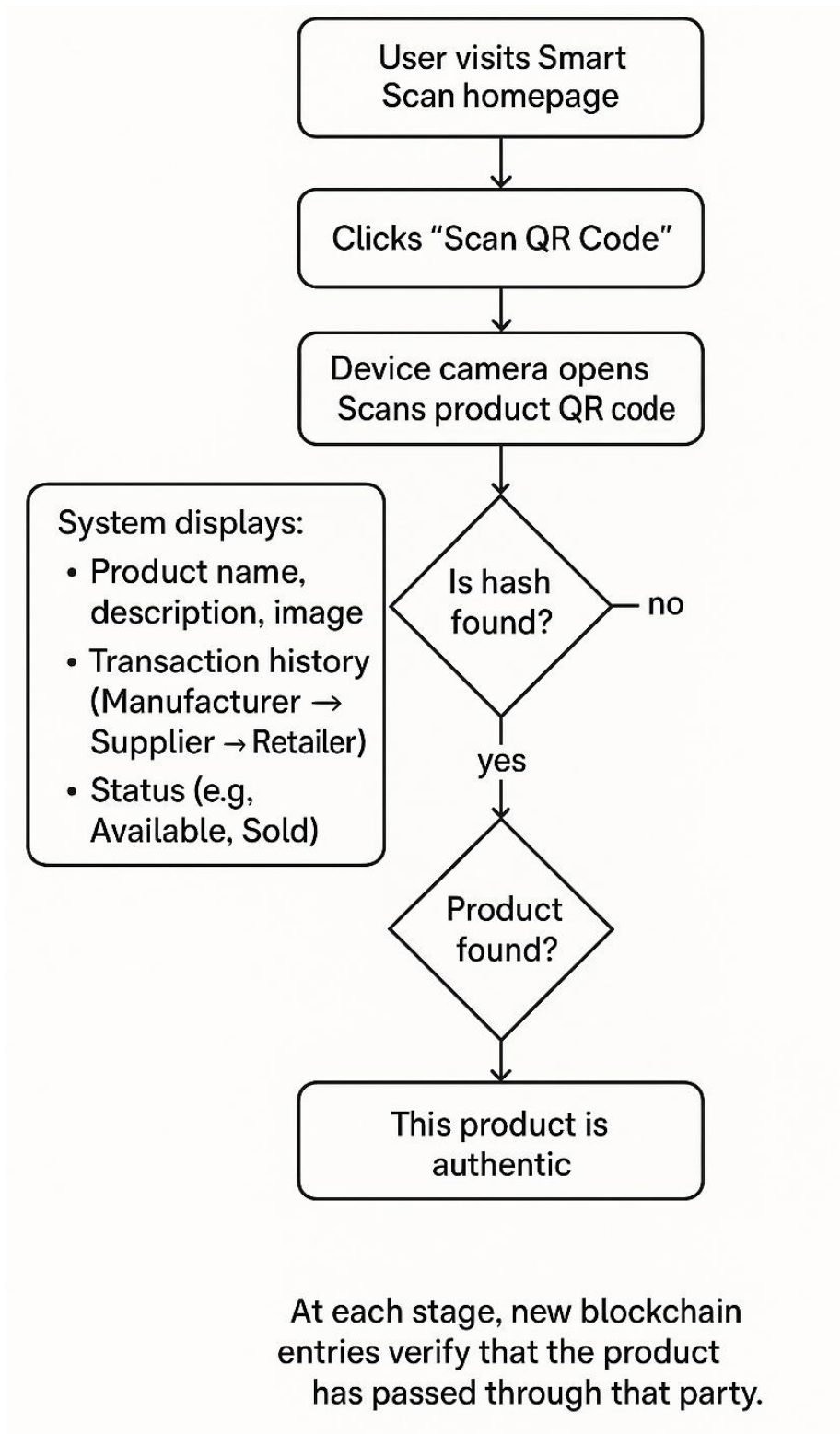


## Product Lifecycle Workflow(Manufacturer to Retailer)



Note: At each stage, new blockchain entries verify that the product has passed through that party.

## QR Scan Verification Workflow(Consumer)



## Summary of role-based access control

Feature/Action	Admin	Manufacturer	Supplier	Retailer
Login	✓	✓	✓	✓
View Profile	✓	✓	✓	✓
Connect Wallet	✗	✓	✓	✓
Add Product	✗	✓	✗	✗
Scan QR Code	✗	✗	✓	✓
Update Product Status	✗	✗	✓	✓
Mark Product as Sold	✗	✗	✗	✓
View Product History	✗	✓	✓	✓
Create New User Accounts	✓	✗	✗	✗
Assign Role to User	✓	✗	✗	✗

# Entity Relationship Diagram for Database

## (Postgres SQL)

