Sneaker Secure

Authenticate & Track Your Sneakers

Key Features:

Instant Verification with QR code technology
–Scan any SneakerSecure QR code to instantly verify authenticity against our trusted database.

Detailed Sneaker Profiles
–Access information for each pair including manufacturing details, ownership history, high–resolution images, and unique identification codes.

Personal Collection Management
–Track your authenticated sneakers and maintain a record of your collection's history

Ownership History Tracking
–Each scan and transfer is recorded, creating a verifiable chain of ownership from manufacturer to current owner

Live Demo:
https://vimeo.com/10823652
89/116da31054?
ts=0&share=copy

System Requirements:
iOS Mobile Device: iOS 13+
App: Expo Go
Internet Connection Required
Camera: Required for QR scanning

System Architecture:

Frontend (React Native App):
Cross–platform app for iOS and Android.
Features QR code scanning, sneaker details, collection management, and admin tools.

Backend (UUID Verification):
Centralized database of verified sneaker UUIDs.
Validates authenticity during QR code scans.

Data Storage:
AsyncStorage for local storage of user collections, sneaker data, and preferences.

QR Code Scanning:
Uses Expo Barcode Scanner to extract sneaker data for verification.

Admin Tools:
Add, update, and manage sneaker data and verification status.

User Flow:
Scan QR Code → Verify UUID → View Details → Add to Collection → Track Ownership History

GitHub Repository:
https://github.com/tlkq/SneakerSecureFINAL

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