

N-Buy Project Brainstorm Summary

Core User Roles

You've got three distinct roles:

- Buyer: Browse & purchase products, deposit funds into wallet, track orders & deliveries.
- Seller: List & manage products, request transport for delivery, withdraw from wallet after holding period.
- Transporter: Accept delivery/ride requests, get paid per trip, manage vehicle info.

Optional: Support hybrid users (e.g., seller and transporter).

Wallet & Payment Flow (Escrow-like)

Follows Fiverr logic. Example Buyer Flow:

1. Buyer deposits 10,000.
2. Purchases item for 6,000.
3. 6,000 is held in escrow.
4. Product is delivered Buyer confirms (or timeout).
5. Funds released to seller's wallet after 37 days.

Key Concepts:

- Deposit, internal balance, status tracking
- Escrow hold logic and dispute management

Transport Layer

On-demand logistics layer inside marketplace.

Modes:

- For Buyers: Request a ride to pick up items.

- For Sellers: Send item via platform transport.

Transporter Features:

- Register vehicles
- Accept/decline trips
- Real-time tracking
- Wallet-based payout

Possible App Architecture

Split into domains:

1. Marketplace (Product listings, filtering, product pages)
2. Wallet (Deposits, escrow logic, history)
3. Orders & Logistics (Track order, request transport)
4. Auth & Profiles (Multi-role support, ratings)
5. Admin Dashboard (Manage disputes, verify docs)

Tech Stack Suggestions

- Frontend: React + TypeScript + Vite
- Backend: NestJS + PostgreSQL + Prisma
- Auth: Supabase or Auth.js
- Payments: Paystack, Flutterwave, or Stripe
- Storage: Cloudinary
- Maps: Google Maps API or Mapbox

Challenges to Plan For

- Escrow Logic: timers, conditions, refunds
- Disputes: resolution system with uploads
- KYC: light identity verification
- Tracking: use GPS coordinates
- Multi-role auth: flexible user model

- Scaling: consider modular service design

Unique Selling Points (USPs)

- Built-in wallet + escrow
- Integrated delivery service
- 3-way marketplace (buyer/seller/transport)
- Local-first (e.g., Nigeria/Africa)
- Expandable to freelance logistics later

Feature Ideas to Stand Out

- Referral credits
- Loyalty badges
- AI-based ETA or fraud checks
- Verification badges
- In-app chat between users

Suggested MVP Roadmap

Phase 1: Auth, product listing, wallet deposit, purchase, escrow logic

Phase 2: Add transport layer

Phase 3: Withdrawals, reviews, admin tools

Phase 4: Geo-tracking, KYC, AI/analytics