The Market

A robust multi-vendor marketplace designed to run as an independent business. Shoppers can browse and pay online securely via Stripe, independent vendors manage their own listings and prepare orders, and customers collect their purchases directly at the seller's brick-and-mortar shop using a secure 6-digit pickup code.

A built-in marketplace finance system tracks vendor balances, platform commissions, payment processing fees, refunds, and admin-approved settlements.

Stack: Next.js 16 (App Router) · React 19 · TypeScript · Tailwind CSS 4 · Prisma 5 · PostgreSQL (Neon) · Stripe Checkout · Cloudinary + sharp · Sentry Error Tracking

Features

- **Dynamic Catalog Architecture:** Admin-managed nested categories, flexible custom attributes (text, number, select, boolean), and tags. Supports physical goods, digital downloads, and services out of the box with zero code changes required.
- **Role-Based Dashboards:** Completely isolated portals for Customers, Vendors (Shop Dashboard), and Platform Administrators (Platform Admin Dashboard). Strict access control ensures staff roles never cross into customer checkout or premium tiers.
- **Secure Pickup Fulfillment:** Every vendor profile requires a verified business address and optional pickup instructions. The buyer receives a secure 6-digit pickup code upon checkout, which the vendor validates at hand-over to close the order.
- **Marketplace Finance System:** Built-in ledger tracking for pending, available, in-settlement, and released balances. Built-in tracking for platform commission, processing fees, refund allocations, and vendor earnings. Features an administrative settlement queue (approve → mark released → archival history) with append-only audit trails. *Accounting only: no actual escrow money is transferred directly by the app framework.*
- **E-Commerce Essentials:** Advanced search with faceted filters, vendor application/approval onboarding pipelines, customer wishlists, active carts, guest checkout via verified email, refund/dispute lifecycles, and a native Vendor Premium subscription plan.
- **Secure Image Processing Server:** Drag-and-drop media uploads are fully sandboxed. Every image is scanned, decoded, and re-encoded on the server to optimized WebP formats (generating thumbnail, medium, and large variants with metadata completely stripped) before being saved to Cloudinary. Only secure URLs and non-sensitive metadata are stored in the database.
- **Payment Processing:** Integrated with Stripe Checkout for secure multi-vendor processing, automated customer checkout flows, and dynamic payment intent mapping.
- **Enterprise-Grade Security:** Database-backed session management, login lockouts, rate limiters, strict CSRF/CORS protections, nonce-based Content Security Policy (CSP), HSTS implementation, and append-only financial audit trails.