Project Overview

Build a Phantom wallet clone for iOS and Android with enhancements: donut chart portfolio, integrated yield farming (Earn tab), fiat-to-crypto Buy feature, and automatic fee collection. No usernames, multi-account system like Phantom. UI designs and assets provided via Figma.

App Structure & Features

Tab 1: Portfolio

- Settings button top right
- Total portfolio balance with very fast automatic refresh and smooth animations
- Donut diagram below balance showing asset allocation
- Quick action buttons: Buy, Send, Receive, Swap
- Asset list with balances (no buy buttons here)
- Full transaction history button at bottom
- Multi-wallet support and wallet switching exactly like Phantom

Individual Asset Detail

- Price charts with multiple timeframes
- Market data summary
- Blockchain explorer link
- Buy, Swap, Send, Receive buttons

Tab 2: Swap

- Token swap interface identical to Phantom
- Trending tokens below swap interface from CoinGecko
- Chain selection toggle (Ethereum, BNB, Polygon)
- 0x API with automatic 1% fee collection

Tab 3: Earn

- Live earnings counter with smooth animations and real-time updates

- Asset toggle switches for yield farming enable/disable
- Yield farming positions with APYs, progress bars, earnings
- Kiln API with automatic 10% management fee collection

Tab 4: Browser

- Full Web3 dApp browser exactly as in Phantom
- WalletConnect v2 integration
- Trending NFTs, popular dApps, and educational content

Integration Documentation & Links

Feature / Integration	Documentation & Setup Links
Phantom Wallet App (Reference)	https://phantom.com / https://docs.phantom.com
Trust Wallet Core (Wallet SDK)	https://developer.trustwallet.com/wallet-core
Alchemy API (Blockchain Node)	https://docs.alchemy.com / https://dashboard.alchemy.com
0x Protocol API (Token Swap)	https://0x.org/docs/0x-swap-api/introduction / https://0x.org/docs/0x-swap-api/guides/monetize-your-app-using-swap
Kiln API (Yield Farming)	https://docs.api.kiln.fi/docs/kiln-defi-integrate / https://docs.api.kiln.fi/docs/kiln-defi-quick-start
MoonPay (Fiat-to-Crypto)	https://www.moonpay.com/developers

Feature / Integration	Documentation & Setup Links
Transak (Fiat-to-Crypto)	https://docs.transak.com/
CoinGecko API (Price & Trending)	https://www.coingecko.com/en/api/documentation
Moralis API (Portfolio Data)	https://docs.moralis.io/web3-data-api/evm/reference
WalletConnect v2 (dApp Browser)	https://docs.walletconnect.com/2.0/

Important Notes for Developers

- All placeholder API keys, wallet addresses for fee collection, and configuration URLs must be clearly documented and left for client configuration.
- Fee collection for swaps (0x) and yield farming (Kiln) is automatic on-chain with no backend fees.
- The Buy feature's fiat onramp uses MoonPay and Transak partner programs, requiring partner IDs and API keys; no backend fee handling needed.
- UI and UX exactly as per the provided Figma designs and Phantom reference where not otherwise specified.
- Multi-wallet management must behave exactly like Phantom's, with no usernames.