FISHBROKER WHITEPAPER

A 1,999-piece pixel-art broker collection, settled entirely on-chain in a hidden underwater night market.

Network	Total Supply	Max / Wallet	Trait Categories
Robinhood Mainnet	1,999	3	6

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 See the Risk Disclosure in Section 5.

1. Introduction & Vision

FishBroker is a collection of 1,999 procedurally rendered pixel-art identities, each one a broker operating inside a fictional, hidden night market beneath the surface. Every broker is assembled from six independent trait categories - Species, Eyes, Headwear, Outfit, Mouth, and Accessory - combined with one of four rarity tiers, so that no two brokers read the same way twice.

The project is built and settled entirely on Robinhood Mainnet, an Ethereum-settled Arbitrum Orbit Layer 2 (chain ID 4663). Minting is denominated in CASHCAT, an existing, independently tradeable token on the same chain - FishBroker does not issue its own currency. Users can acquire CASHCAT directly inside the FishBroker site via a live Uniswap V3 integration, rather than being redirected to a third-party exchange.

This whitepaper documents the collection's mechanics, current utility, and the roadmap phases that unlock as the project matures. Every figure in this document is drawn directly from FishBroker's live, deployed configuration - nothing here is aspirational marketing copy disconnected from the product.

Two separate tokens are involved in using the site, and they are not interchangeable. Network gas on Robinhood Mainnet is paid in ETH (18 decimals), the chain's native currency, exactly as on any Ethereum-settled network. CASHCAT is a distinct, independently traded token used purely as the mint-pricing currency (Section 2.1) - FishBroker neither issues nor controls it.

1.1 Why a Broker Market?

The underwater district framing gives every mechanical element of the collection a narrative home: the auction desk is where minting happens, the exchange stall is where the mint currency is acquired, and the roadmap is described as a literal descent through the district, deeper access opening at each level. It's creative scaffolding for what is, underneath, a straightforward, transparently priced NFT mint. The exchange stall maps directly onto the Uniswap V3 quote-and-swap flow detailed in Section 2.1, and each descent to a deeper district level maps onto a roadmap phase in Section 4 - the metaphor tracks the actual mechanics rather than running alongside them.

2. Collection & Mint Mechanics

Parameter	Value
Total Supply	1,999
Maximum per Wallet	5
Trait Categories	6 (Species, Eyes, Headwear, Outfit, Mouth, Accessory)
Rarity Tiers	4 (Common, Rare, Epic, Legendary)
Art Style	Procedurally generated pixel art
Network	Robinhood Mainnet - chain ID 4663
Mint Currency	CASHCAT (existing token, not issued by FishBroker)

2.1 Mint Pricing Formula

Each FishBroker mint slot is priced at a fixed, flat 20 CASHCAT - a predetermined amount that does not fluctuate with CASHCAT's own market price. For an order of n NFTs:

Total CASHCAT Required = n x 20

This CASHCAT total is fixed and known before any quote is fetched. What is quoted live, on-chain, is the ETH (or WETH) side of the transaction - how much ETH is needed to acquire that many CASHCAT via the CASHCAT/WETH Uniswap V3 pool at the moment of purchase.

On-chain call flow. The client estimates the required ETH by quoting a small reference amount through Uniswap V3's QuoterV2 contract (0x33e885ed0ec9bf04ecfb19341582aadcb4c8a9e7) via quoteExactInputSingle, routed against the CASHCAT/WETH pool (0x0Bd7D308f8E1639FAb988df18A8011f41EAcAD73) at its 1% fee tier, then scales that quote by the ratio between the reference amount and the target CASHCAT total. This produces the amount auto-filled into the purchase field - an estimate, not a guarantee, since pool pricing can move before confirmation.

The actual purchase executes as an exact-ETH-input swap via SwapRouter02's exactInputSingle: the buyer's ETH (or WETH) amount is fixed at submission, and the CASHCAT received is protected by an on-chain amountOutMinimum set 1% below the confirmed quote (the same 1% slippage floor described below) - not an exact-output guarantee, but a worst-case floor on what the buyer receives.

Why a flat CASHCAT price. Pricing the mint in a fixed CASHCAT amount keeps the CASHCAT cost of a mint slot constant and predictable over time, independent of any USD conversion. The ETH cost to acquire that fixed CASHCAT amount is what varies with market conditions - the inverse of a USD-pegged model, where the CASHCAT amount would be the variable instead.

Why a 1% slippage floor. The slippage floor balances two failure modes: too tight, and ordinary price movement between quote and confirmation causes otherwise-valid transactions to revert; too loose, and buyers become exposed to avoidable price impact or adversarial ordering. One percent was chosen to match the CASHCAT/WETH pool's own 1% fee tier and observed depth, giving quotes room to execute reliably without materially over-paying.

Network gas is separate from the CASHCAT cost above and is estimated at roughly 0.0001 ETH per transaction - an estimate, not a guarantee, since gas pricing is set by the network at the time of confirmation.

2.2 Rarity Distribution

Each minted broker is assigned one of four rarity tiers at reveal, weighted as follows. Rarity assignment is independent of trait-category selection - the same four-tier weighting applies uniformly across all six trait categories, rather than varying tier odds by category.

Tier	Weight
Common	62%
Rare	24%
Epic	11%
Legendary	3%

3. Utility & Use Cases

FishBroker's utility is scoped deliberately to what the collection actually delivers today and what is concretely planned - this section avoids promising financial returns, since CASHCAT and the xSTOCK tokens described below are independent, volatile, market-priced tokens and FishBroker does not control their price.

3.1 On-Chain, Verifiable Ownership

The FishBroker NFT contract is deployed and verified on Robinhood Mainnet. Each broker is a standard, independently verifiable on-chain asset - ownership, trait composition, and transfer history all publicly auditable on Robinhood Mainnet's block explorer, not stored in a centralized database. That explorer is robinhoodchain.blockscout.com - the same venue used to independently verify every contract address in Section 6.

3.2 Secondary Market Access

FishBroker is built on infrastructure - a real Uniswap V3 deployment already integrated for CASHCAT - that supports open secondary trading once the collection is minted out, rather than a closed or permissioned marketplace. The same CASHCAT/WETH 1% pool that prices mints (Section 2.1) is also the liquidity source secondary CASHCAT trading depends on. FishBroker NFTs themselves are listed on OpenSea once minted - secondary NFT trades there settle in ETH or WETH, OpenSea's own marketplace convention, independent of the CASHCAT mint currency.

3.3 Distinct, Traited Identity

With six independent trait categories and four rarity tiers, the collection is structured for genuine visual and statistical distinctiveness across all 1,999 identities, rather than cosmetic recoloring of a single template.

3.4 Community & Roadmap Access

Holding a FishBroker is the access mechanism for later roadmap phases (Section 4) - future district access is scoped to holders rather than open to the general public.

3.5 xSTOCK NFT-Earn Pools

Holders can deposit a FishBroker NFT into one of three token-denominated reward pools - SPCX, NVDA, or AAPL xSTOCK - each pool accruing that token continuously to the depositor for as long as the NFT stays deposited, at a rate configured per pool. Withdrawing a deposited NFT is available after a 2-hour cooldown from deposit; claiming accrued rewards never affects the deposited NFT, and withdrawing never forfeits rewards already accrued.

The xSTOCK NFT-Earn pool contract is deployed and verified on Robinhood Mainnet, with all three pools configured (see Section 6) and **fully integrated into the live site**: deposits, withdrawals, balances, and accrual shown on the site are read directly from the deployed contract. Reward-pool funding is the next milestone to activate claims (see Section 5, Risk Disclosure).

3.6 xSTOCK Yield

Separately, holders of the underlying xSTOCK tokens themselves (not the NFT) can deposit SPCX, NVDA, or AAPL directly into a fixed-rate yield pool paying 2.00% APY, accrued continuously and independent of CASHCAT or ETH price movement. Opening a new position - or, by default, adding to an existing one - requires a minimum deposit equivalent to $50 USD, computed live from real Dexscreener market pricing for each token, not a static or assumed conversion rate. Withdrawals carry no minimum and can be made in full or in part at any time.

The xSTOCK Yield pool contract is deployed and verified on Robinhood Mainnet, with all three pools configured (see Section 6). As with NFT-Earn, it is **fully integrated into the live site** - deposits, withdrawals, and balances are real on-chain state, and the USD-equivalent pricing used to gate new deposits is a genuine live market feed. Reward-pool funding is the next milestone to activate claims.

3.7 Real-Time Collection Gallery

A live Collection page lists every FishBroker actually minted so far, read directly from the deployed NFT contract - no placeholder or mock entries. Each card links to that token's real OpenSea listing.

3.8 Wallet Connectivity

The site supports connecting via any injected browser wallet as well as WalletConnect, including mobile wallets with no browser extension, through an integrated wallet-connect modal. A network status indicator shows the connected chain and allows switching between Robinhood Mainnet and Robinhood Chain Testnet directly from the site.

4. Roadmap & Holder Benefits

Each level below maps onto a concrete mechanic already described earlier in this document. Level 01's five-permit limit is the same maximum-per-wallet cap of 5 defined in Section 2. Level 02's currency opens for purchase step is the CASHCAT acquisition and QuoterV2 quote-and-swap flow detailed in Section 2.1 - not a separate mechanism.

Level	Phase	Description
01	Market Discovery	The district is mapped and early brokers are shown the way down. Wallets are recorded
02	Currency & Mint	The market currency opens for purchase, and the 1,999 broker identities go up for mint
03	Reveal & Trading	Seals break - species, rarity and traits are read out. Brokers then move freely on the sec
04	Holder Expansion	Access widens for holders. Details are set with the district, not before.

4.1 On Holder Benefits

Level 04 (Holder Expansion) is intentionally scoped as access widens for holders rather than a fixed list of guaranteed perks. Levels 01-03 are fully specified because their mechanics already exist in the live product, while Level 04 is left open here because its shape should follow from who actually holds a FishBroker by the time Level 03 completes.

The concrete next steps beyond Level 04 - Levels 05 through 07 - are published on the site's live Roadmap page (fishbroker site, Roadmap tab), which is updated as work actually ships rather than fixed at the time this document was written. That page covers, in order: reward-pool funding and the Fishing Grounds minigame launch (Level 05); holder governance input and community tooling (Level 06); and longer-term, explicitly speculative direction such as multi-chain expansion and partnerships (Level 07).

5. Risk Disclosure

Participation in FishBroker involves meaningful risk. By minting, depositing, or acquiring CASHCAT or xSTOCK tokens through the site, you acknowledge that:

- CASHCAT is a community-issued token with no guaranteed value; its price is set entirely by the open market and can fall sharply and rapidly.

- Smart contracts - Uniswap's, and the FishBroker NFT, NFT-Earn, and xSTOCK Yield contracts - may contain bugs or vulnerabilities despite reasonable care and independent review.

- Blockchain transactions are irreversible; mistaken transfers or approvals cannot be undone.

- The FishBroker NFT contract is deployed and minting is live on Robinhood Mainnet.

- The xSTOCK NFT-Earn and xSTOCK Yield pool contracts are deployed, verified, and fully integrated into the live site - deposits, withdrawals, and balances shown reflect real on-chain state. Neither pool is yet funded with reward tokens, so claim transactions will not succeed until they are.

- Regulatory treatment of NFTs and digital assets varies by jurisdiction and may change.

- Mint quotes are subject to slippage and price-impact risk: in a thin or fast-moving pool, a transaction can revert or execute at a worse rate than the last displayed quote.

- Network gas is variable and not guaranteed; the estimate in Section 2.1 (~0.0001 ETH) reflects typical conditions, not a fixed or contractual fee.

This document is not investment advice. See the full Terms of Service and Privacy Policy published on the FishBroker website for binding terms.

6. Technical Appendix

Item	Value
Chain	Robinhood Mainnet
Chain ID	4663
Testnet Chain ID	46630 (Robinhood Chain Testnet)
Block Explorer	robinhoodchain.blockscout.com
CASHCAT Token Contract	0x020bfC650A365f8BB26819deAAbF3E21291018b4
Uniswap V3 Factory	0x1f7d7550b1b028f7571e69a784071f0205fd2efa
Uniswap V3 QuoterV2	0x33e885ed0ec9bf04ecfb19341582aadcb4c8a9e7
Uniswap V3 SwapRouter02	0xcaf681a66d020601342297493863e78c959e5cb2
Native Currency	ETH, 18 decimals

RPC Endpoint	https://rpc.mainnet.chain.robinhood.com
CASHCAT/WETH Pool Token	0x0Bd7D308f8E1639FAb988df18A8011f41EAcAD73
Pool Fee Tier	10000 (1%)
Default Slippage	100 bps (1%)
Estimated Network Fee	~0.0001 ETH
SPCX xSTOCK Token Contract	0x4a0E65A3EcceC6dBe60AE065F2e7bb85Fae35eEa
NVDA xSTOCK Token Contract	0xd0601CE157Db5bdC3162BbaC2a2C8aF5320D9EEC
AAPL xSTOCK Token Contract	0xaF3D76f1834A1d425780943C99Ea8A608f8a93f9
FishBroker NFT Contract	0x93ceBa2125e8c2115943e865674a9109cB38f99a
xSTOCK NFT-Earn Pool Contract	0xbc3B8abab069968B6B3FD3445207CDA4f3b0069E
xSTOCK Yield Pool Contract	0x240Fe814d19329C466c1d8D99D789dDe03edBf55
Wallet Connectivity	Injected browser wallets + WalletConnect (mobile-compatible)

CASHCAT and the Uniswap V3 infrastructure addresses above were independently verified directly via eth_getCode / eth_call prior to publication. The SPCX/NVDA/AAPL xSTOCK token addresses were verified via their live, real Dexscreener-indexed trading pairs and on-chain price data. The FishBroker NFT, xSTOCK NFT-Earn, and xSTOCK Yield contract addresses were deployed by the project and are independently verifiable - source code, ABI, and constructor arguments are all published and visible on robinhoodchain.blockscout.com. The Robinhood Chain Testnet chain ID was independently verified against Robinhood's own chain documentation.