

# QuantBasket: Real-World Token Case Studies

This document provides an in-depth analysis of real-world blockchain token models aligned with the four core product categories of QuantBasket: Community Tokens, Impact Coins, Quant Strategies, and Tokenized Portfolios. Each case study includes project background, tokenomics, governance design, technology architecture, visual aids, and actionable insights.

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## Community Tokens

### 1. Rally.io – Creator Coins

Rally.io Dashboard

**Background:** Rally is a decentralized platform that empowers creators to launch their own branded digital currencies (Creator Coins). These tokens serve as engagement tools and micro-economies within creator communities.

**Mechanism & Token Design:** Each creator is assigned a token that lives on Rally's sidechain. Fans can purchase and hold the token to unlock exclusive access, vote on decisions, or gain recognition. Token supply and price are algorithmically managed using a bonding curve, ensuring early adopters are rewarded proportionally.

**Governance & Monetization:** Governance rights lie partially with the creator and partially with the community. The Rally network also has its own token (\$RLY) used for staking and protocol incentives. Revenue streams come from trading fees, exclusive drops, and tipping.

**Results & Impact:** Rally coins have supported artists and online personalities in building sustainable, community-driven revenue. For example, RAC's coin was used to launch merch drops that sold out instantly and allowed fans to feel directly invested in his success.

**QuantBasket Insight:** This design could be emulated for SaaS communities, alumni networks, or online clubs using QuantBasket's token creation interface.

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### 2. Friends With Benefits (FWB)

FWB Token Gating

**Background:** FWB is a token-gated community blending Web3 culture, events, and creative collaboration. Entry requires holding \$FWB tokens, offering a digital equivalent of a Soho House membership.

**Social Token Model:** The \$FWB token serves both as a gatekeeper and voting power. From Discord access to IRL parties, the token defines the member's reach. To join, applicants submit a form and hold 75+ \$FWB tokens.

**Governance Mechanism:** Token holders can propose and vote on everything from treasury allocation to event planning. Governance is conducted via Snapshot, a gasless off-chain voting protocol.

**Cultural & Economic Significance:** FWB generated a self-sustaining treasury and sponsored creative collaborations across art, music, and urban design. The token established social capital and economic weight.

**QuantBasket Insight:** Community tokens on QuantBasket can emulate this tiered-access + governance model for clubs, influencers, and collectives.

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## Impact Coins

### 1. Plastic Bank Token (PBX)

Plastic Bank Token

**Background:** Plastic Bank uses tokenized incentives to encourage collection of ocean-bound plastic in developing nations. Participants collect plastic and receive PBX tokens that are tradable for real-world items.

**How It Works:** Users collect plastic waste and return it to designated centers. The weight and quality are logged on a blockchain (Hyperledger), and PBX tokens are issued accordingly. These tokens can then be exchanged for goods like food, school tuition, and healthcare credits.

**Blockchain Role:** IBM's Hyperledger ensures each transaction is immutable and auditable. This provides trust and traceability to corporations funding the ecosystem.

**Social & Environmental Impact:** - Over 30,000 registered collectors globally - Millions of kg of plastic prevented from reaching the ocean - Circular economy creation in places like the Philippines and Haiti

**QuantBasket Insight:** Future ESG-aligned QuantBasket tokens can map on-chain rewards to verified sustainable actions like waste reduction, water saving, or education.

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### 2. Sun Exchange – SolarCoin (\$SLR)

Sun Exchange

**Project Overview:** Sun Exchange allows anyone globally to invest in solar projects. In return, users receive SolarCoin (\$SLR), a token that represents electricity generation — Proof-of-Generation.

**Tokenomics:** Each 1 SLR equals 1 MWh of solar energy generated. Solar panels are funded by micro-investors, deployed in schools and hospitals in developing countries.

**Ecosystem Structure:** - Panels are tracked for energy output - Data is verified and submitted to SolarCoin Foundation - Investors receive \$SLR based on output

**Use Cases & Outcomes:** In Kenya and South Africa, this model has enabled off-grid regions to access power while generating crypto-based ROI for backers.

**QuantBasket Insight:** Use this model to tokenize real-world metrics like solar power, carbon offset, or even health improvements.

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## **Quant Strategies**

### **1. Numerai – \$NMR**

Numerai Model Marketplace

**Overview:** Numerai is a hedge fund that outsources its modeling to a global network of anonymous data scientists who submit machine learning strategies trained on encrypted data.

**Token Utility:** Participants stake \$NMR to signal confidence in their model's predictive power. Good performance earns token rewards; poor results burn stake.

**Innovation Highlights:** - Encrypted datasets prevent overfitting - Staking aligns contributor and protocol interests - DAO-based treasury management

**QuantBasket Insight:** A similar quant portal can be created within QuantBasket where analysts submit models and are rewarded based on portfolio alpha.

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### **2. dHEDGE – \$DHT**

dHEDGE

**Description:** dHEDGE is a non-custodial asset management protocol where users can invest in top-performing fund managers' strategies.

**Architecture:** - Built on Polygon for gas efficiency - Traders run vaults and charge performance fees - Investors track real-time stats and follow with one click

**Token Governance:** \$DHT governs upgrades and treasury operations. High-performing traders can gain more visibility and earn DHT bonuses.

**QuantBasket Insight:** Introduce a smart contract layer where verified strategy managers operate public portfolios and earn token-based commission.

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## Tokenized Portfolios

### 1. Enzyme Finance (\$MLN)

Enzyme Dashboard

**Platform Summary:** Enzyme is a protocol for on-chain asset management. It allows creation of managed portfolios with in-built compliance, custody, and reporting.

**Key Features:** - Vault configuration includes performance fees, liquidity rules, accepted assets - Investors buy shares in vaults with stablecoins or ETH - Managers can't exceed predefined risk parameters

**Security Model:** Audited contracts. Role-based permissions. Time locks on upgrades.

**QuantBasket Application:** Community-run or educational portfolios on QuantBasket could mirror this structure — including audit logs and public rebalance history.

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### 2. Index Coop – DeFi Pulse Index (\$DPI)

Index Coop DPI

**Overview:** Index Coop manages the DeFi Pulse Index (\$DPI), a market-cap-weighted token representing a curated set of top DeFi projects.

**Token Design:** - Auto-rebalanced monthly - Passive investment tool - Backed 1:1 by underlying assets in smart contract vaults

**Community Involvement:** DAO governance determines methodology changes and constituents

**Growth Metrics:** - Over \$100M+ in TVL at peak - Served as an entry point for retail DeFi exposure

**QuantBasket Blueprint:** QuantBasket can enable curated sectoral indexes (AI tokens, ESG tokens, etc.) for simplified diversification by everyday investors.

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