

HOODc White Paper

Title: HOODc — Decentralized Commerce for Community Empowerment

Executive Summary

HOODc is a community-driven, utility-first ERC-20 token designed to empower small businesses and underserved communities through an incentive-based, decentralized commerce model. Integrated with the HOODcEngagement .sol contract and accessible via a user-friendly web interface, the HOODc system enables consumers and entrepreneurs to interact directly in a trust-minimized environment using blockchain technology.

1. Introduction

In many economically marginalized communities, access to fair, secure, and empowering financial infrastructure is limited. HOODc addresses this by creating a tokenized, incentive-rich network where local businesses and consumers can thrive. At its core, HOODc is both a **digital currency** and a **social utility** that strengthens neighborhood economies from within.

2. Token Overview

- **Name:** HOOD Coin
 - **Symbol:** HOODc
 - **Type:** ERC-20 Token
 - **Network:** Ethereum Mainnet (or compatible EVM chains)
 - **Supply:** Fixed or DAO-governed
 - **Primary Use Cases:**
 - Commerce-based rewards
 - Local business discounts
 - Proof-of-interaction incentives
 - DAO governance and funding proposals
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3. Smart Contract Architecture

3.1 HOODc .sol (Token Contract)

- Standard ERC-20 functionality
- Can be integrated with decentralized exchanges (DEXs)
- Supports transfer, approve, mint (optional), and balanceOf functions

3.2 HOODcEngagement .sol (Utility Contract)

- **User Role Management:** Register as Consumer or Business
 - **Business Directory:** Stores metadata (name, description, discount policies)
 - **Loyalty Engine:** Cashback based on spend tier (Bronze, Silver, Gold)
 - **Discount Validation:** Real-time discount application if token conditions are met
 - **Proof-of-Interaction Rewards:** Tokens rewarded for reviews, referrals, and event attendance
 - **KYC Flags for Merchants:** Trust indicator system for analytics access and discoverability
 - **Reward Claim System:** On-chain balance claimable by eligible users
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4. dApp Architecture & UI Flow

4.1 Wallet Connectivity

- Integrated via MetaMask and WalletConnect
- WalletConnect supports QR code and mobile app access
- Token auto-added to wallet interface upon login

4.2 Role-Based UI Access

- **New Users** prompted to choose a role (Consumer / Business)
- UI adapts based on role:
 - **Consumer Dashboard:**
 - HOODc balance & rewards
 - Nearby business listings
 - Spend progress & reward tier
 - Referral and event log
 - **Business Dashboard:**
 - Profile editing

- Discount setup
 - Reward funding tools
 - KYC verification status
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5. Ecosystem Features

5.1 Loyalty & Cashback

- Earn HOODc for each verified business transaction
- Tiered reward levels encourage regular engagement

5.2 Tokenized Discounts

- Businesses offer reduced prices to customers who pay in HOODc
- Discounts conditioned on wallet balances or staking metrics

5.3 Proof-of-Interaction

- Event check-ins, product reviews, and user referrals tracked on-chain
- Rewards allocated to incentivize engagement and outreach

5.4 Governance & DAO Integration (Future Release)

- Token-based voting
 - Community treasury proposals
 - Business onboarding through community curation
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6. Roadmap (Sample)

| Phase | Milestone |
|-------|---|
| Q1 | Token & Engagement Contract Deployment |
| Q2 | UI/UX Launch & Wallet Integration |
| Q3 | DEX Liquidity Pool + Business Onboarding Campaign |
| Q4 | DAO Formation + Staking & Treasury Functions |

7. Security & Compliance

- OpenZeppelin libraries for ERC-20 and AccessControl
- Optional KYC integration for businesses via Fractal ID or Quadrata
- Recommended use of multisig wallets for rewards treasury

- Contracts should be independently audited prior to mainnet launch
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8. Conclusion

HOODc is not just a currency—it is a catalyst for building self-sustaining, interconnected economies rooted in community, cultural identity, and cooperative progress. By fusing blockchain incentives with real-world needs, HOODc reclaims financial sovereignty and redirects it to the people and places that need it most.

Learn More

Project Website: HoodCoin.com

White Paper Repository: [lalohambrickday@github](https://github.com/lalohambrickday)

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