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ABSTRACT

Blockchain technology has transformed industries, with Non-Fungible Tokens (NFTs) standing out as a notable digital asset innovation. This project introduces a decentralized platform for NFT minting and trading, aimed at overcoming challenges like high transaction costs, lack of transparency, and centralization in existing NFT markets. Leveraging Ethereum's blockchain, the platform ensures a secure, transparent environment for creating, buying, selling, and trading NFTs through smart contracts. Decentralized protocols enhance user privacy and security for authentication and authorization.

Key features include a user-friendly interface for customizable NFT creation, a decentralized marketplace for seamless transactions, and integration with cryptocurrency wallets. The platform aims to empower creators, collectors, and investors by reducing barriers, transaction fees, and offering a decentralized alternative to traditional platforms. Rigorous testing shows robustness across diverse use cases, from individual artworks to large-scale auctions. Positive user feedback underscores the platform's usability and functionality.

In conclusion, this platform marks a significant move towards democratizing digital ownership and supporting a dynamic ecosystem for creators and collectors. Future plans include scalability improvements and broader asset support.

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