Project Name: AIImprint

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Abstract:
AIImprint is dedicated to building a decentralized application (DApp) aimed at clearly distinguishing between human-created content and AI-generated content. We convert AI-generated text and images (AIGC) into non-fungible tokens (AIImprint NFT) and store them in smart contracts. Additionally, we have introduced AIImprint Token (AIT) as an incentive mechanism to reward users for uploading AIGC content. This design not only enhances transparency and authenticity in the digital domain but also preserves the original purity of human creativity and encourages user engagement and contribution.

Introduction:
As AI technologies such as large language models (LLMs) continue to advance, AI-generated content is becoming increasingly prevalent. This makes it more difficult to distinguish between human-created content and AI-generated content, which impacts the quality of future LLM training and how to differentiate original human artifacts. To address these issues, we propose the AIImprint project.

Smart Contract Design:
The smart contract will be responsible for handling user-uploaded AI-generated content and converting it into NFTs. The contract will include the following functions:
Identification: Create unique NFTs for AI-generated content, clearly indicating their AI-generated origin.
Storage: Store AIGC data as NFTs.
Transfer: Allow NFTs to be transferred between users.
Tracking: Record the history and transaction information of NFTs to understand their origin and circulation.

Token System Design:
We will create a token system called AIT (AIImprint Token) to reward users for uploading AI-generated content. These tokens can circulate within the AIImprint DApp and may potentially develop into a cryptocurrency with real value. The key elements of the token system are:

Issuance: Define the total amount and issuance method of tokens
Distribution: Grant token rewards to users who upload AI-generated content
Circulation: Enable token circulation and transactions within the AIImprint ecosystem
Value: Explore real-world use cases to enhance token value

User Interface Design:
To enable users to easily interact with the AIImprint DApp, we will design a user-friendly frontend interface. The interface will include the following features:

Upload: Allow users to upload AI-generated text and images

Conversion: Convert user-uploaded AI-generated content into NFTs
Display: Show uploaded NFTs and their related information
Transactions: Provide an NFT marketplace where users can buy, sell, or exchange NFTs

Conclusion:
The AIImprint project is devoted to addressing the distinction between AI-generated content and human-created content, aiming to preserve the purity of human intellect. By developing a decentralized application, we passionately pursue transparency and authenticity in the digital realm, ensuring that future advancements in AI technology align with human values and genuine human creativity. We firmly believe in the importance of this mission, as it lays a solid foundation for future AI development and applications, enabling artificial intelligence to better serve human society and contribute to a brighter future.