DooCoins: White Paper

Introduction

DooCoins is a rewards system for kids, where parents can reward their kids for good behaviour, completing chores and for personal achievements.

The app was originally built on Web2 technology and released on the app stores, where it amassed 27k users. DooCoins has recently been rebuilt as a Web3 dApp and launched as an MVP, it has around 100 early adopters.

DooCoins will serve as a child's initial encounter with digital currency, which is expected to become even more widespread in their lifetime. This positions DooCoins to be among the pioneers with future generations, who will wholeheartedly adopt this technology.

Problem

Digital Addiction

The widespread availability of smartphones, tablets, and computers has led to children becoming increasingly engrossed in screen time, impacting their development, social interactions, and physical health.

Lack of Accountability

Children often lack motivation to complete chores, schoolwork, or engage in other productive activities. Parents struggle to instil a sense of responsibility and accountability.

Ineffective Reward Systems

Traditional reward systems, such as star charts, have become less effective in the digital age. They often fail to capture a child's interest or provide immediate rewards.

Privacy Concerns

Most digital products require extensive personal data, raising concerns about privacy and security for both parents and children.

Solution

DooCoins is the innovative and comprehensive solution designed to address the challenges faced by parents in today's digital age. Our decentralised application leverages blockchain

technology to create an engaging and secure platform that empowers parents to encourage and reward positive behaviour in their children.

Incentivization through DooCoins

DooCoins introduces a digital currency that can be earned by children for completing tasks, homework, chores, and other positive activities. These DooCoins are securely recorded on a blockchain ledger, creating a transparent and tamper-proof record of a child's achievements.

Customizable Rewards System

Parents have the flexibility to design a personalised rewards system by setting DooCoins values for different tasks or goals. This customization ensures that rewards align with a child's age, interests, and family values.

Secure and Private Environment

DooCoins places privacy and security at the forefront. By utilising blockchain technology, the dApp ensures that sensitive data and transactions are secure and anonymous. Parental oversight and engagement remain within the family circle.

Benefits

Positive Behaviour Reinforcement

DooCoins encourages children to develop responsible habits, complete tasks, and stay engaged in productive activities.

Family Bond Strengthening

The dApp fosters a sense of teamwork and cooperation within the family by involving children in setting goals and earning rewards.

Digital Literacy

DooCoins helps children learn about blockchain technology and the value of digital assets, contributing to their digital literacy.

Financial Literacy

DooCoins introduces children to basic financial concepts by teaching them to earn, save, and manage digital assets. This early exposure to financial literacy can have a lasting impact on their understanding of money and responsible financial behaviour.

Privacy

DooCoins ensures the security and confidentiality of family data through the implementation of blockchain encryption. All stored data remains anonymous, with user accounts associated with a unique ID and protected by a passkey. Only a child's first name is stored on the blockchain, preserving privacy and security.

Time Management

The app aids parents in managing their child's screen time effectively, ensuring a balanced approach to technology use.

Team

Jacob (Jake) Kemsley: Founder, Designer, Developer, Product Manager

Jake is a father of 3 and veteran digital designer and developer who left the UK in 2000, he has since lived and worked in The Netherlands, France, Melbourne, Switzerland and now Lisbon. He mostly worked as a freelancer for digital agencies, startups and tech consultancies, providing design, development and project management services. Since 2020 Jake has had a passion for Web3 and decentralisation, with a focus on dApp product development using The Internet Computer.

Jeet: Contributor - Frontend Developer

Ludovico: Contributor - Backend Blockchain Developer

Technology Stack

DooCoins utilises a technology stack that includes The Internet Computer Layer 1 Blockchain with Motoko as the backend and a React frontend. With the backend and frontend hosted fully on-chain on Internet Computer (ICP) canisters.

DooCoins is a Progressive Web App (PWA), mobile first dApp. It uses Internet Identity with NFID for Auth, allowing a user to login via wallet, passkey (face id / fingerprint), email or Google, making it accessible to Web3 and future Web3 users.

Tokenomics

- Symbol: DOO
- Type: Utility
- Total Supply: TBA
- Inflationary Mechanisms: TBA
- Staking Rewards: TBA

Utility

DooCoins (DOO) serves as a utility token within the DooCoins ecosystem, providing access to premium app features, facilitating transactions, and enabling governance participation. Users can exchange X tokens for X DooCoins, and DooCoins are used for X number of transactions within the ecosystem.

Staking

Staking in DooCoins can extend up to 5 years, providing a flexible saving and reward mechanism for parents. Alternatively, it can remain in place until the child turns 18, offering a trust-fund-like option for long-term saving and financial planning.

Token Distribution

- Treasury: %TBA - Reserved for ecosystem development and expansion.
- Team + Founders: %TBA - Allocated for the core team and founders.
- Investors: %TBA - Set aside for early supporters and investors.
- Staking Rewards: %TBA - Rewards for users participating in the staking program.
- Bounty + Airdrop: %TBA - Dedicated to community engagement and promotional activities.
- DAOs for Good (Kids): %TBA - Allocated to empower children and support educational initiatives through decentralised autonomous organisations.

Partnerships

Screen Time App Developer

We plan to establish a collaboration with a screen time app developer, allowing children to purchase screen time using DooCoins. These DooCoin-allocated screen time credits are seamlessly integrated into the child's device through the third-party app.

Online Marketplace for Suggested Rewards (DiscoverDoo)

As a separate project we are working on a marketplace e-commerce website that will integrate with DooCoins.

Here, users can exchange their DooCoins for a wide range of digital products, including games, NFTs, online courses, and subscription services. Additionally, non-digital services such as exciting experiences like quad biking and educational lessons like piano lessons will be available for redemption.

Fitness Tracker Integration

DooCoins can be integrated with a fitness tracker, enabling parents to assign a value to physical activities. For instance, parents can set a conversion rate of 10,000 steps to earn 10

DooCoins. This partnership promotes healthy habits while rewarding children for staying active.