



PIGGY WALLET WHITE PAPER

PIGGY WALLET

A NEXT GENERATION CRYPTO WALLET

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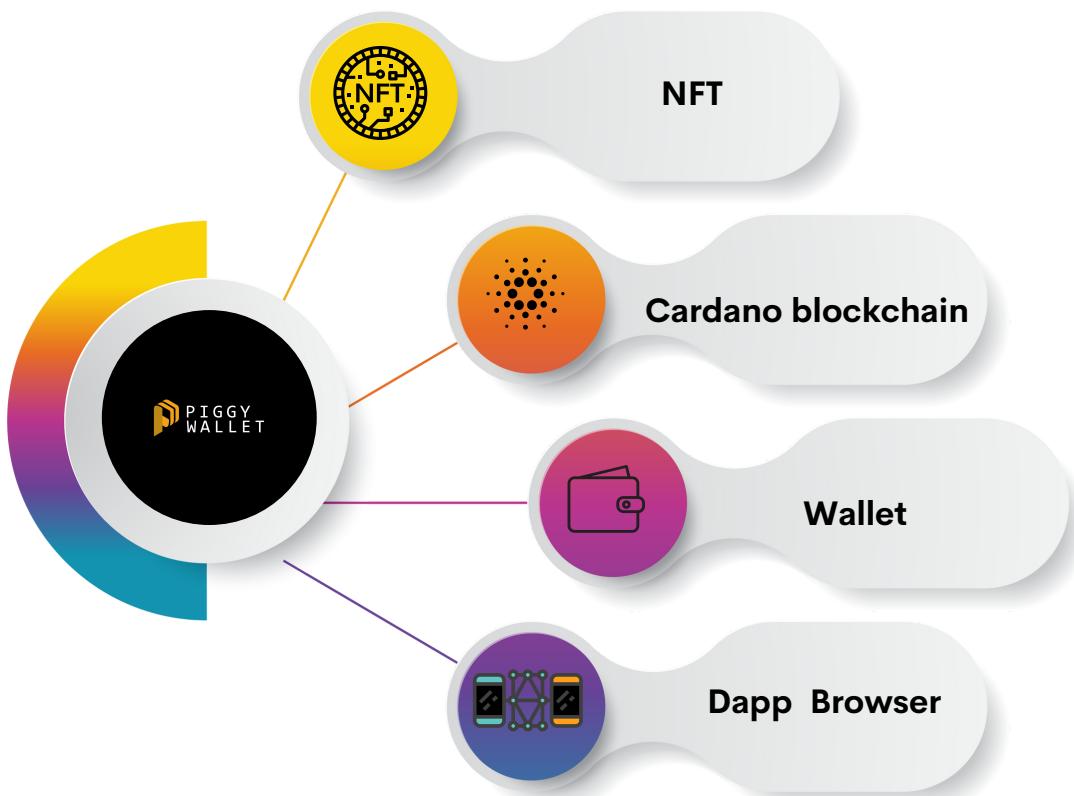
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The Piggy Wallet token (\$PWT) is a utility token that allows token holders to participate in the ecosystem development. This Piggy token is not security nor a currency and shouldn't be held by any individual, whether resident or citizen of countries that prohibit token activities. The readers' responsibility is to know the laws relevant to their country's legal jurisdiction and ensure they are entirely in compliance.

If the Piggy Wallet token eventually gets listed on centralized or decentralized exchanges, there is no guarantee that the piggy token will succeed financially or rise in value because of its volatile nature, hence no promises in terms of token value or future performance. Investors are advised to thoroughly assess the risks and uncertainties involved before making any decisions. They should seek financial advice regarding the appropriateness of investing in any security or investment strategy discussed in this Whitepaper and should understand that statements regarding prospects may not be realized.

Abstract

In this Whitepaper, we'll discuss PIGGY Wallet: A wallet built on Cardano Decentralized Finance Ecosystem which will be used for storing tokens, swapping, staking, exploring web3.0, and a fully-featured NFT gallery where users could buy, sell and collect NFTs. In the traditional financial world it can be seen as a Mobile Bank but with the decentralized finance ecosystem, it provides the power to be your own bank, using a Peer-to-Peer connection in a non-custodian protocol supported by the Cardano blockchain. Finally, we aim to bring the Next-Generation of wallets ecosystem to mainstream users by building PIGGY Wallet. The project will provide financial independence security for users using blockchain concept in a trustless manner.



Background

We are a team of Engineers and blockchain enthusiasts with a strong background in Artificial Intelligence with versatile experience in cryptocurrency and finance technology. We are dedicated to bringing the banking system to your best comfort. With our knowledge and research, we intend to build this project PIGGY Wallet while leveraging the proof of concept (POC) and proof of transparency (POT). We believe the future is built on blockchain technology, hence why we want to make it possible for everyone to be able to access DeFi products in a straightforward but most comfortably secured way.

Introduction

Piggy Wallet is a non-custodial smart contract wallet that allows users to interact with websites that integrate Cardano. It will be available as a browser extension and a mobile application with a built-in DApp browser on both Android and iOS devices. Piggy Wallet, when developed, will be designed to have a recovery feature without paper backup, low transaction fee, staking platform, buy an option with fiat, manage digital assets and explore distributed applications on Cardano Blockchain.

The wallet will allow users to manage their accounts data and private keys (usernames), which enables them to store, send, & receive digital assets, swap Cardano native tokens, and sign transactions in a simple but very secure way. Integrating into decentralized applications, the wallet will come fully loaded with a fast connection to Cardano blockchain through BLOCKFROST. This will allow users to get started quickly without synchronizing the complete node as we have already reduced the burden of complications, allowing our users to concentrate on what matters, making it easy to enter in a permissionless manner.

Vision

Our objective is to make a Crypto Wallet with a generally solid community and a unique reward mechanism, further demonstrating how our overall goal is to develop a Crypto Wallet with a usually solid community and an innovative reward approach, or so they believed.

We aspire to put "cryptocurrency in every portfolio." We envision a world where wealth-building strategies that were once only accessible to affluent individuals become available to everyone, transferring the power back to the people. Piggy Wallet will create a revolutionary ecosystem to bring more people into digital assets, helping them earn a passive income by holding the different currencies through our wallet and maintaining their privacy, security, power, and autonomy. We strive to create a wallet based on sound monetary policies, with a sound and solid decentralized foundation to provide facilities to every individual.



MISSION

We are on a mission to provide unquantifiable improved accessibility features to users of the Cardano ecosystem in harnessing the decentralized finance and other web3 applications on Cardano through leveraging smart contracts to provide users with unique capabilities and features. With Piggy Wallet, your mobile device will hold the private keys while a smart contract holds your assets, creating a new pattern for wallet functionality.

This mission will allow Cardano users to selflessly participate fully in the Cardano ecosystem, as we will make entry easy for both new and old users of the ecosystem as we hope to deliver a functional smart contract wallet with a human-readable address, recovery option without paper backup, free transaction fees, explore and interact with Cardano application on web 3.0 in a trustless manner. Finally, we aim to achieve a successful DApp smart wallet by making sure that the gateways for interacting with web 3 are intuitive, secure, and accessible while maintaining the core ethos of "being your bank" and its unique features, as we target to be one of the prominent wallets benefiting from the proliferation of DeFi, which will efficiently and reliably unleash the power of the Cardano ecosystem. We will evolve into multi-chain because that is the foreseen future of blockchain technology as we aim to deliver the best to our community.

Problems plaguing the Cardano Wallet Ecosystem

There has been some exponential growth in Cardano in terms of the DeFi ecosystem, but then, we are aware of the stress and complexities associated with having a Cardano wallet, like the stress of securing storing your private keys, so you don't get to lose the seed phrase or make it vulnerable for bad actors to attack your bank (Cardano wallet), difficulty in understanding gas fees (transaction cost) and the non-human readable nature of address doesn't help as you have to double-check endlessly to confirm you have the correct address. This has become a burden to anyone new to decentralized finance and Cardano world, affecting the adoption and public consumption of the Cardano DeFi Ecosystem. With this in mind, we plan to provide an intelligent solution to the problems mentioned above by giving you PIGGY WALLET, and intuitive self custodial intelligent contract wallet and passport to explore decentralized applications built on Cardano Blockchain

Solution

Piggy Wallet will solve the problem mentioned above by providing a functional DeFi tool with documentation well stated to guide users and developers, as we aim to 'birth new blockchain enthusiasts in the crypto world. For a start-up, the wallet will be designed to be an open-source wallet on Cardano with a staking platform integrated, allowing delegating and earning of ADA and CNTs, also when fully launched, PiggyWallet will be a DApp smart wallet with core features like low transaction fee using metadata, Web3 interaction, human-readable address, quick swapping of ADA, CNTs, and CNFTs integrating hardware plugin, purchase of assets with fiat, setting of daily withdrawal limit and NFTs management in a fully-featured NFTs gallery, security and recovery features for users to mitigate any risks associated with storing your private keys and this will significantly abstract many of the complexities related to existing wallets.

CORE FEATURES OF THE WALLET

Looking forward to when fully launched, Piggy Wallet will allow users to explore the wide range of distributed innovations which will be discussed below:

Send/Receive:

With a piggy wallet, one can easily send/receive ADA and Cardano Native Tokens that could be NFTs or Tokenized versions of currencies

BUY:

Users will be able to buy ADA and CNTs with fiat systematically through their cards and bank transfer with very low fees.

Store:

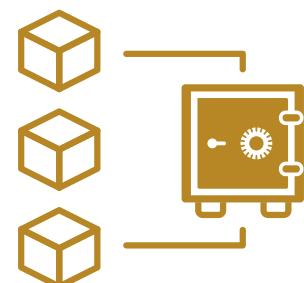
This is the primary feature of any crypto wallet, so therefore, a piggy wallet will be used to store ADA and CNTs

Swap:

This unique feature will allow users to swap Cardano Cryptocurrency and Cardano Native Tokens trustless.

Staking:

Staking is the process by which a Cardano token holder delegates some or all of their tokens to a particular validator or validator, which helps increase those validators' voting weight, and in turn, the Cardano holder gets a reward for delegating the Cardano tokens or ADA. Delegating your tokens means assigning your tokens to a validator. Delegating your tokens to a validator does NOT give the validator ownership or control over your tokens. At all times, you still control all your staked tokens that you may have chosen to delegate. Piggy Wallet will have a staking platform called PiggyStake, where piggy holders can stake their tokens to earn piggy token as a reward and give them the voting right on projects selected for funding.



CORE FEATURES OF THE WALLET

Human-Readable Address:

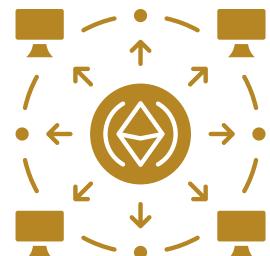
Upon integration with Cardano Name Services (CNS), Piggy Wallet will provide users with an intriguing feature to send and receive Cardano crypto assets with a username (like Piggy. cad) rather than an average public wallet address confusing. This feature drastically mitigates any complexities when sending and receiving any digital assets



Decentralized Applications Browser

DApps browsers are specialized software that sustains new generation decentralized applications. Dapp browsers are considered the browsers of Web3 and are the gateway to access the decentralized applications working based on blockchain technology. That means all dapp browsers must have a unique code system to unify all the different codes of the dapps. We are using the cardano blockchain for this project, where users can have full access to their favorite Cardano distributed applications. The wallet will provide the simplest yet most secure way to connect to their favorite DeFi and other Cardano blockchain applications with the Piggy DApp browser built in the browser, letting the user stay in control when interacting on the web3.0

Piggy DApp browser is where users can directly interact with new and emerging DeFi platforms and other web3 applications. The browser is almost identical to traditional web browsers, so therefore when interacting with a decentralized application, users don't have to connect to another wallet, as it will synchronize automatically. With that in mind, users will access a host of DeFi services from their wallets, making the integration seamless and natural. Moreover, we'll also provide connectivity to Decentralized Applications (DApp) outside of our Platform. The team will develop some exciting decentralized applications (DEX, Blockchain Games, NFTs Market built in the wallet, and this option will be powered by our utility token, \$PWT.



CORE FEATURES OF THE WALLET

Decentralized Exchange:

The PiggyWallet will have an integrated service for swapping Cardano native tokens by connecting several decentralized exchanges (DEXs) to find the best exchange rate. This option will be called PiggySwap. Later on, the team will build a DEX called PiggyDEX; it'll be a cross-chain DeFi aggregator protocol & platform for trading at the best prices across the market, yield farming, and liquidity pools all aggregated together. Saving users, developers, and businesses time and money with access to multiple DeFi protocols within a single cross-chain interoperable protocol and platform. This incredible option will allow users to easily swap and trade without moving funds or connecting to other DApps. The PiggyDEX will use the EUTXO protocol to create trustless transactions for the decentralized exchange of Cardano cryptocurrency and tokens. PiggyDEX will join the list of DeFi aggregators but will stand out because of its low transaction fee, hence having the best trading price amongst others.



NFTs Fully Featured Gallery (Marketplace):

NFTs are tokens that have a calculated supply, whose aim in the world of today is to connect, verify and give value to original ART. The NFT market cap is steadfastly growing and making waves in most areas of the crypto world. NFTs are not a currency, although they do employ the same blockchain technology as cryptocurrencies. Each NFT is associated with a single object. It could be artwork, video game material, music, or anything else. This is ideal for digital assets, and NFTs have become a popular tool for artists and other producers to profit from their work. Piggy Wallet will allow users to collect, store, send, buy and sell NFTs in the built-in NFTs fully featured gallery. NFTs Market is a cross-chain non-fungible token (NFT) marketplace & protocol to create, manage, auction, or trade NFTs for arts, games, and more on a revolutionary platform and this marketplace protocol will be directly integrated into the Piggy Wallet. With the NFTs gallery in the wallet, the team will build Piggy NFTs that users can access through the NFTs Marketplace; this will be powered by a Piggy token and aid in the Piggy Wallet growth. NFTs could be ideal access points for special events and perks available within our platform. The possibilities and uses appear limitless, making our project so appealing.

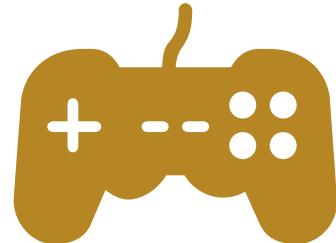


CORE FEATURES OF THE WALLET

Piggy Game:

Looking forward, the team plans to expand into gaming to bring new utility to Piggy by creating some of the leading PC & mobile games. We aim to make our games and work with the community to get new community-developed games; the game will be powered by our utility token \$Piggy.

The team is working hard toward the success of this project and will update you with every step we are taking towards the welfare of this project through our different versions of the white paper.



Security

Our security features will bring significant improvement to the ecosystem, which ultimately will make us stand out amongst other wallets in the Cardano ecosystem, and these unique features will be discussed below:



Self-Custodial

Users will be in the self-control of their wallets, as they will have full access to their keys alone. This is a significant security improvement over having keys in a centralized system or storing cryptocurrency in an exchange that can be attacked by bad actors, affecting every exchange user. However, PiggyWallet allows users to have complete control of their crypto assets.



CORE FEATURES OF THE WALLET

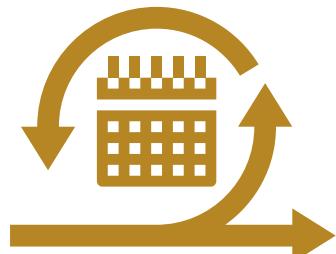
Recovery Tool:

Piggy Wallet as a smart contract wallet will introduce ANGELS, where wallet owners can assign trusted devices or individuals to recover their funds without a private key or seed phrase. So if piggy wallet user ever loses their phone, they can request access from their ANGELS and recover their funds upon majority approval. It is important to note that Piggy Wallet Angels will never have access to users' private keys. This unique feature will allow users to recover their funds without paper backup, reducing the risk of losing funds just because they lose their seed phrase, a significant factor over the already existing wallets in the ecosystem.



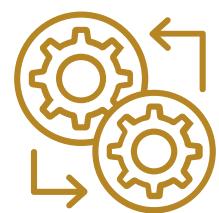
Daily Limit:

This feature is similar to our native banks, where Piggy Wallet will allow users to set daily limits on withdrawals in their accounts. They are making it impossible for bad actors to achieve massive success if one's wallet is compromised. This means users can recover their assets within 24 hours if their wallet is compromised, as all they need to do is log on to their wallet using the seed phrase in another device and cancel the transaction initiated by the bad actor within 24 hours they initiated the transaction.



Hardware Wallet Integration:

Piggy Wallet will allow users to manage accounts and their private keys in so many ways, including hardware wallets while isolating them from the site context. This is a significant security improvement for the security of the digital assets in the wallet. The piggy wallet will offer support for multiple industry-leading hardware wallets, like Ledger and Trezor. We will build a PIGGY Hardware Wallet that could be integrated with the software wallet and other existing digital wallets.



2FA & Biometric Authentication:

The wallet will support two factors, biometric protection, private password, and transaction pin for maximum security. We understand how essential users' digital assets are to them, the reason why we aim to deliver the best security feature for wallet protection.



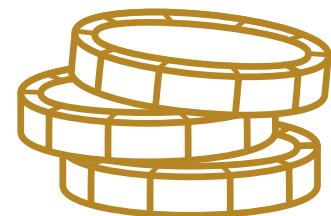
CORE FEATURES OF THE WALLET

Piggy Token

Piggy will be a native Utility token of the Piggy Wallet with so many utilities. We aim to evolve into a Multi-Chain and decentralized Autonomous Cooperation (DAC) where decisions are taken by Piggy token holders based on the number of tokens.

PIGGY token holders would influence the future of PIGGY WALLET by signaling their support for upgrades, voting rights, and introducing new ideas to the ecosystem and also earn rewards for holding.

Piggy Wallet aims to build a solid long-term ecosystem that will provide healthy competition in the Cardano cryptocurrency network while maintaining the trust and efficient security in the system.



Piggy Wallet Token Utility

Piggy Token will be used in the following ways:

Staking: Piggy Wallet Token Holders will be able to stake Piggy tokens to generate additional yield earned for holding. **Governance:** The governance model will allow holders of Piggy to participate and vote on community proposals and amendments. **Fundraising:** Piggy will be used for fundraising to generate the funds needed to develop Piggy Wallet



Piggy Wallet Token Utility

\$Piggy Token will be used in the following ways:

Staking

Piggy Wallet Token Holders will be able to stake \$Piggy tokens to generate additional yield earned for holding.

Governance

The governance model will allow holders of \$Piggy to participate and vote on community proposals and amendments

Fundraising

The \$PWT will be used to raise the funds needed to build and develop PIGGY Wallet

Tokenomics

TOKEN DETAIL

Token Name:

PIGGY

Token Ticker:

PWT

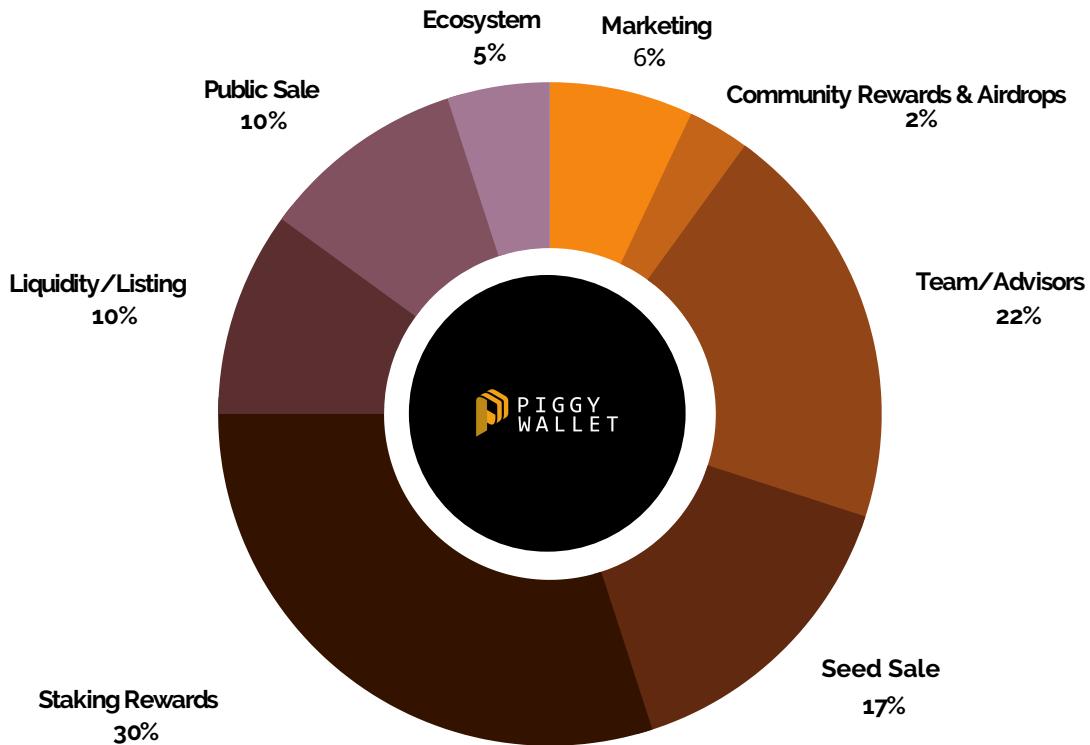
Blockchain:

Cardano Blockchain

Max Supply:

500,000,000

Token Distribution



- Team: 7 months Cliff, then 10% monthly until fully expanded
- Seed Sale: 4 months cliff, then 25% unlocked monthly until fully expanded

CONCLUSION

Asset management tools are essential to the long-term success of the DeFi ecosystem. These tools like the wallet in this Whitepaper allow users to intuitively manage their assets efficiently and securely while also interacting with DeFi and another web 3.0 applications.

We utilized the advantage of smart contract wallets in providing much-needed improvements in accessibility for users with the introduction of seedless recovery tools, daily withdrawal limits, and another legacy native banking functionality. When the complexities of blockchain technology and decentralization are abstracted, Piggy Wallet is here to act as the foundation for banking the unbanked and building an open financial system where one can confidently control and access their assets securely.

PiggyWallet is a smart contract crypto wallet designed for users to store, buy, send, receive, swap tokens, collect NFTs, and interact with websites that integrate Cardano; the wallet will have PIGGY DApp Browser to explore the decentralized web applications securely.

As the Cardano Ecosystem grows, projects like PiggyWallet will undoubtedly become an integral component in connecting blockchain technology and the actual world.

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