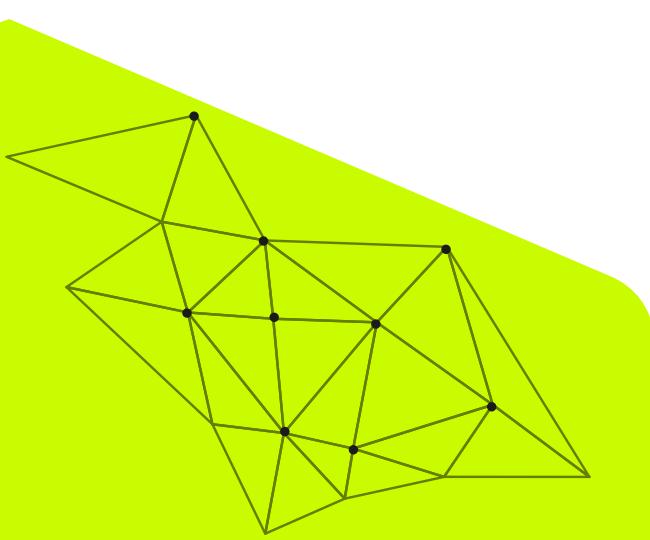
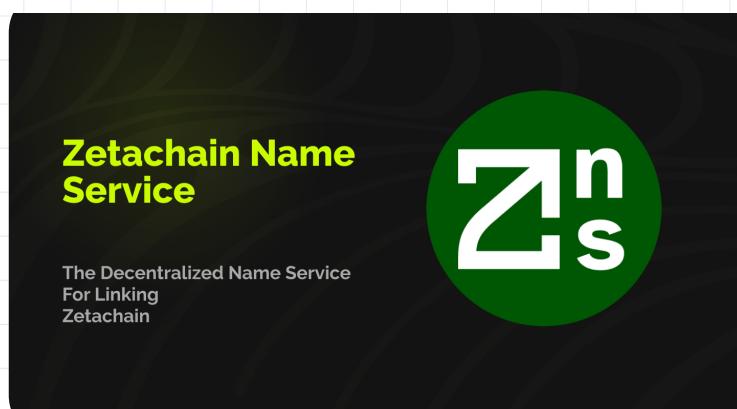


Zetachain Name Service

WHITEPAPER V1



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1. Introduction

Providing an overview of the Zetachain Name Service (ZNS) and its significance in the blockchain ecosystem. It introduces the purpose of the whitepaper and sets the stage for the subsequent sections.

- 1.1 Overview: The overview section provides a high-level understanding of the Zetachain Name Service (ZNS). It describes ZNS as a decentralized naming system built on the Zetachain blockchain that aims to simplify the identification and interaction of participants within the web3 ecosystem. It emphasizes the importance of user-friendly and memorable names in place of complex addresses for improved user experience and widespread adoption.
- 1.2 Objectives: The objectives section outlines the specific goals and objectives of the Zetachain Name Service. It highlights the primary intentions of ZNS, which may include enhancing user accessibility and convenience, enabling seamless cross-chain interactions, establishing decentralized web identities, improving branding and reputation management, and facilitating the verification of NFTs and artistic works. These objectives serve as the guiding principles behind the development and implementation of ZNS.
- 1.3 Benefits: The benefits section focuses on the advantages and positive outcomes that ZNS brings to the blockchain ecosystem. It elaborates on the potential benefits for users, developers, and the wider community. These benefits may include simplified addressing and user experience, increased trust and authenticity, improved discoverability and interactions, enhanced security and privacy, efficient management of digital assets, and seamless integration with social platforms. By highlighting these benefits, the section showcases the value proposition of ZNS.

2 . About Zetachain Name Service (ZNS)

What is ZNS?

The Zetachain Name Service (ZNS) is a decentralized naming system built on the Zetachain blockchain. It provides a user-friendly and memorable way to identify and interact with participants within the web3 ecosystem. With ZNS, users can replace complex and lengthy blockchain addresses with human-readable names, making it easier to send and receive transactions, interact with decentralized applications (dApps), and establish online identities.



2.2 Core Components:

2.2.1 Domain Registration: Domain registration is a fundamental component of ZNS. Users can register their unique and personalized domain names on the Zetachain network. These domain names serve as identifiers for individuals, organizations, projects, or any other entity within the blockchain ecosystem. By registering a domain, users claim ownership and control over their chosen name, enabling them to associate it with their blockchain accounts, dApps, or other digital assets.

2.2.2 Domain Resolution: Domain resolution is the process through which the ZNS system translates human-readable domain names into corresponding blockchain addresses. When a user enters a ZNS domain name in a web browser or a dApp, the ZNS network resolves it to the associated blockchain address, allowing for seamless and intuitive interaction. This resolution process is crucial for ensuring the smooth functioning of ZNS and enhancing user experience.

2.2.3 ERC721 Integration: ZNS integrates with the ERC721 standard, which is widely used for non-fungible tokens (NFTs) on the Ethereum blockchain. By leveraging ERC721 integration, ZNS enables users to link their NFT collections or specific NFTs to their domain names. This functionality allows for easy verification and authentication of NFT ownership, providing a trusted and transparent way for buyers to ensure the authenticity and origin of the artworks or collectibles they are interested in.

2.2.4 Smart Contract Architecture: Smart contracts play a vital role in the ZNS ecosystem. ZNS utilizes a sophisticated smart contract architecture that powers the registration, resolution, and management of domain names. These smart contracts ensure the security, transparency, and immutability of the ZNS system. They govern the rules and processes for domain registration, ownership transfer, and domain resolution, providing a robust and trustless framework for the functioning of ZNS.

3 . Technical Implementation

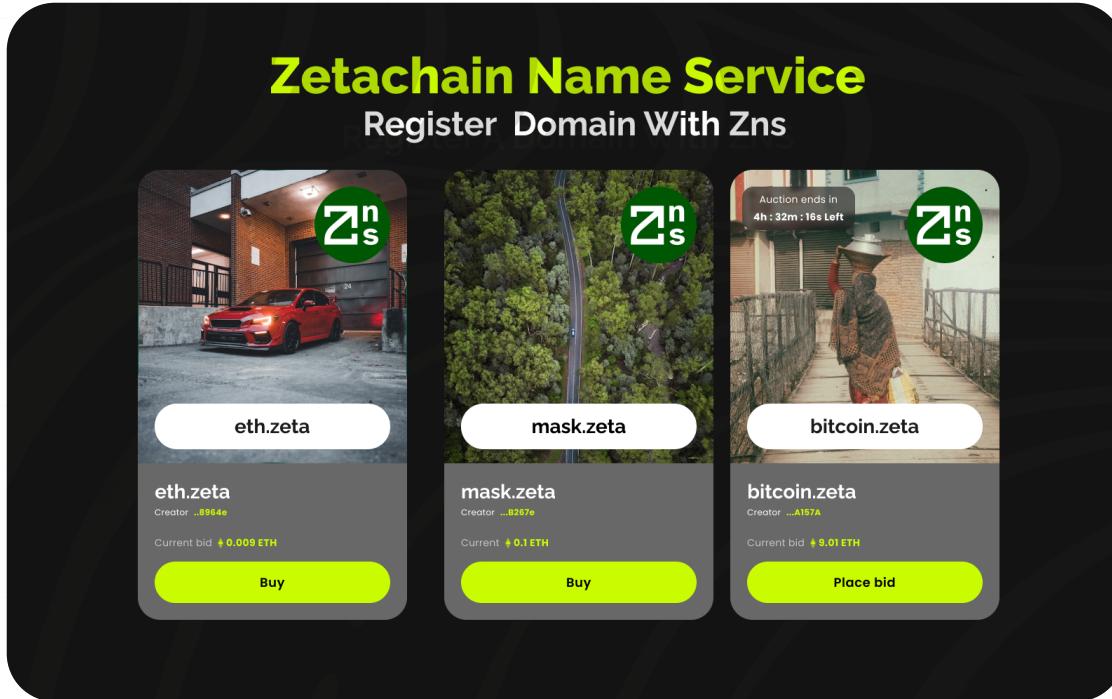
3.1 ZNS Architecture

The ZNS architecture is designed to be a decentralized and scalable system. It consists of various components that work together to provide seamless domain registration, resolution, and management. At its core, ZNS leverages the underlying infrastructure of the Zetachain blockchain, utilizing its consensus mechanism, security features, and transaction processing capabilities.

3.2 ZNS Smart Contract

The ZNS smart contract is a key component of the ZNS system. It is implemented as a decentralized application (dApp) on the Zetachain blockchain. The smart contract governs the logic and rules for domain registration, resolution, ownership, and transfer. It ensures that the ZNS functions operate in a trustless and transparent manner, providing a reliable and secure naming service.





3.2.1 Name Registration

The name registration process allows users to claim and register their desired domain names on the ZNS platform. Users interact with the ZNS smart contract to submit registration requests, specifying the desired domain name and linking it to their blockchain address. The smart contract validates the registration request, checks for name availability, and stores the necessary information in a decentralized manner.

3.2.2 Name Resolution

Name resolution is the mechanism by which ZNS translates human-readable domain names into their corresponding blockchain addresses. When a user enters a ZNS domain name, the resolution process queries the ZNS smart contract to retrieve the associated blockchain address. This enables seamless and convenient interaction with dApps, services, or other participants in the Zetachain ecosystem.

3.2.3 Ownership and Transfer

The ZNS smart contract maintains ownership information for registered domain names. Users can transfer ownership of their domains to other blockchain addresses by initiating a transfer transaction through the smart contract. Ownership transfers are executed securely and immutably on the blockchain, ensuring that the rightful owners have control over their domains.



3.3 Interoperability with Zetachain Ecosystem

ZNS is designed to seamlessly integrate with other components and protocols within the Zetachain ecosystem. It leverages the interoperability features of Zetachain, allowing for smooth interactions with other blockchain subnets, decentralized applications, and services. This interoperability enables ZNS to leverage the functionalities and benefits offered by the broader Zetachain network.

3.4 Integration with ZNS Subnets

ZNS supports the concept of subnets, which are specialized chains within the Zetachain ecosystem. These subnets can be created to cater to specific use cases or industries. ZNS integrates with these subnets, allowing for the creation and management of domain names specific to each subnet. This enables customized naming services and enhances the overall flexibility and utility of ZNS.

4. Use Cases

4.1 Decentralized Web Identity:

ZNS enables individuals and organizations to establish their decentralized web identities. By registering unique domain names on the ZNS platform, users can associate their blockchain addresses with these names, creating a recognizable and persistent identity. This decentralized web identity allows for secure and authenticated interactions within the blockchain ecosystem, promoting privacy, ownership, and control over personal data.



Web3 Name Card
The decentralized name service for linking Zetachain

Auction ends in 4h : 32m : 16s Left

eth.zeta

Creator: ...A167A

Current bid: + 7.01 ETH

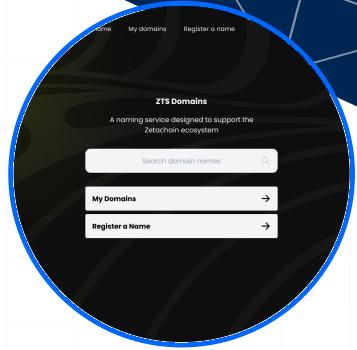
Place bid

Web3 Name Card

ZNS allows individuals or organizations to connect their blockchain accounts to a unified .dot name. This integration enables the display of both on-chain and off-chain data, showcasing their identity and activities.

4.2 Simplified Addressing and User Experience:

ZNS simplifies the addressing system within the blockchain ecosystem. Instead of using complex and hard-to-remember hexadecimal addresses, users can utilize their registered domain names to send and receive transactions. This enhances the user experience by providing a more user-friendly and intuitive method of interacting with blockchain-based applications, reducing the likelihood of errors and improving adoption.



Readable Identifier

The decentralized name service for linking Zetachain

Readable Identifier

ZNS enables the use of user-friendly and memorable names instead of complex addresses. By utilizing ZNS, users can easily employ these recognizable identifiers when interacting with decentralized applications (dApps).

4.3 Branding and Reputation Management:

With ZNS, businesses and individuals can establish and protect their brands in the blockchain space. By registering domain names that reflect their brand identities, organizations can enhance brand recognition and establish a trusted presence within the decentralized ecosystem. ZNS also enables reputation management by allowing users to associate verifiable information and credentials with their domain names, fostering trust and credibility.

Better Interaction

The decentralized name service for linking Zetachain

Better Interaction

Choose between auctions, fixed-price listings, and declining-price listings. You choose how you want to sell your NFTs, and we help you sell them!



4.4 NFT and Art Verification:

ZNS offers a valuable solution for NFT (Non-Fungible Token) and art verification. Artists and creators can link their NFT collections to their registered domain names, providing a verifiable connection between their artistic works and their domain identity. This verification enhances trust and authenticity in the art market, enabling buyers to confidently verify the origin and ownership of NFTs before making a purchase.

4.5 Integration with Social Platforms:

ZNS can be integrated with social platforms, enabling seamless connections between decentralized applications and traditional social media networks. By associating their ZNS domain names with their social media profiles, users can establish a consistent and recognizable identity across both decentralized and centralized platforms. This integration facilitates cross-platform interactions, enhances discoverability, and fosters a cohesive user experience.

DAO

The decentralized name service for linking Zetachain

poseidon.zeta

Creator ...A127A

Current bid ↓ 0.51 ETH

Buy

Poseidon from Atlantis can utilize a subdomain like poseidon.atlantis.zeta to establish his association with the organization. This subdomain acts as a trusted identifier, verifying Poseidon's legitimacy as a member of Atlantis and enhancing trust within the organization.



5. Tokenomics and Governance

5.1 ZNS Token (ZNT) Utility

The Zetachain Name Service (ZNS) has its native utility token called ZNS Token (ZNT). The ZNT token serves multiple purposes within the Zetachain ecosystem.

Firstly, ZNT is used as a means of payment for various services provided by the ZNS platform. Users can utilize ZNT to register domain names, transfer ownership of domains, and access premium features or additional functionalities within the ZNS ecosystem.

Additionally, ZNT tokens play a crucial role in the governance of the ZNS protocol. Token holders can participate in the decision-making process by voting on proposals and protocol upgrades. This governance mechanism ensures that the community has a voice in shaping the future development and direction of the ZNS platform.

Furthermore, ZNT tokens may also be used as a staking mechanism, allowing token holders to contribute to the security and stability of the ZNS network. Stakers can lock up their ZNT tokens as collateral to validate transactions, secure the network, and earn staking rewards.

5.2 Token Distribution and Allocation

The initial distribution of ZNT tokens is typically conducted through a combination of private and public sales. During the private sale, early investors and strategic partners have the opportunity to acquire ZNT tokens at a discounted price. The public sale, often conducted through a token sale event like an Initial Coin Offering (ICO) or Initial DEX Offering (IDO), allows the broader community to participate and purchase ZNT tokens.

The token allocation is carefully designed to support the long-term sustainability and growth of the ZNS ecosystem. The distribution may include allocations for the development team, advisors, marketing initiatives, liquidity pools, and community incentives. The exact token distribution and allocation details are typically outlined in the project's whitepaper or tokenomics documentation.

5.3 Governance Mechanism

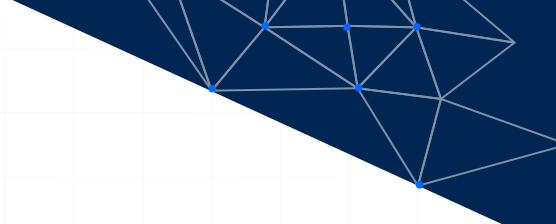
The governance mechanism of the ZNS protocol ensures that the community has a say in the decision-making process. Token holders can actively participate in the governance process by voting on proposals and protocol upgrades. These proposals can cover a wide range of topics, including network upgrades, parameter adjustments, fee structures, and platform improvements.



5. Tokenomics and Governance

The governance mechanism is typically implemented through a voting system where each ZNT token holder has voting power proportional to their token holdings. Proposals are submitted by community members or the development team, and token holders can cast their votes to approve or reject these proposals. The governance process aims to foster transparency, decentralization, and community-driven decision-making within the ZNS ecosystem.

Allocation	Supply	Price	Supply %	Raise	Valuation	TGE & Vesting
Seed	100,000,000	\$0.01	10%	\$500,000	\$5,000,000	10% at TGE; 12 months vesting
Private	80,000,000	\$0.02	8%	\$1,500,000	\$18,750,000	10% at TGE; 1 months cliff; 9 months vesting
Public	10,000,000	\$0.05	1%	\$500,000	\$50,000,000	20% at TGE; 6 months vesting
Marketing	100,000,000		10%			10% at TGE; 36 months vesting
Liquidity	70,000,000		7%			-
Rewards	150,000,000		15%			Dynamic
Community	300,000,000		20%			Dynamic
Team	150,000,000		15%			0% at TGE; 12 months cliff; 24 months vesting
Airdrop	40,000,000		14%			10% at TGE; 12 months vesting
Total	1,000,000,000		100%			



6. Roadmap and Future Development

Milestone 1: Launch of ZNS Mainnet

- Enable domain registration and resolution on the Zetachain blockchain Testnet
- Establish the foundation for the ZNS ecosystem
- Develop and deploy the ZNS Mainnet

Milestone 2: Integration with Major Blockchains

- Integrate with popular blockchains such as Ethereum, Binance Smart Chain, and ZkSync
- Enable cross-chain functionality, allowing users to link their ZNS domains to addresses on different blockchains
- Expand the reach and interoperability of ZNS across multiple blockchain networks

Milestone 3: Enhanced User Interface and Experience

- Improve the user interface (UI) and user experience (UX) of the ZNS platform
- Streamline the domain registration and management process
- Enhance the accessibility and usability of ZNS for both technical and non-technical users

Milestone 4: Integration with DeFi Platforms and Launch NFT Marketplace

- Collaborate with decentralized finance (DeFi) platforms and protocols
- Enable the use of ZNS domains for various DeFi applications, such as decentralized lending, yield farming, and governance
- Provide seamless integration between ZNS and DeFi platforms for enhanced utility and value for ZNS token holders

6.2 Planned Features and Enhancements:

Enhanced Subdomain Management

- Introduce advanced subdomain management features, allowing users to create, transfer, and manage subdomains more efficiently
- Enable customization options for subdomains, such as subdomain-specific settings and permissions



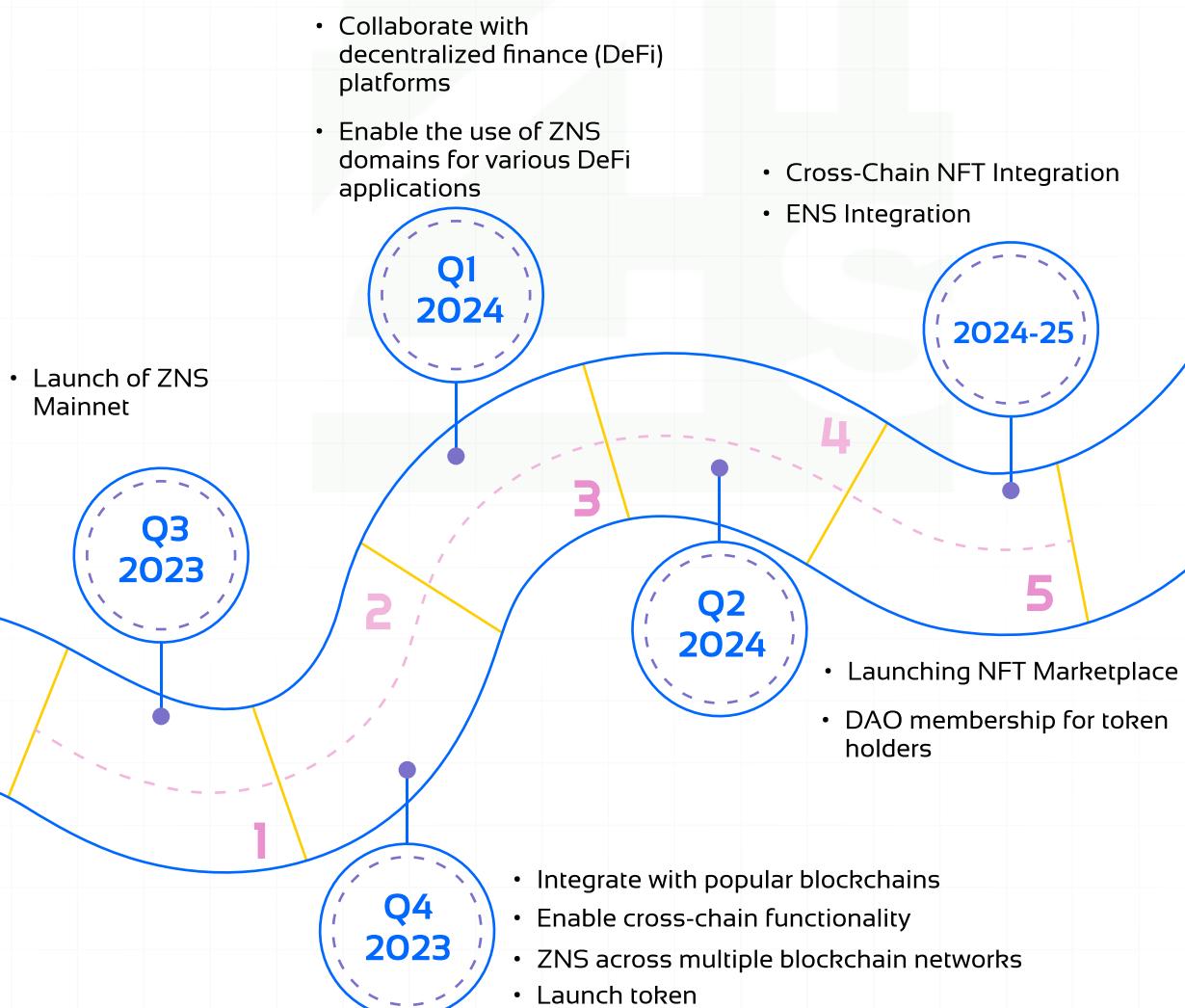
- Integrate ZNS with the InterPlanetary File System (IPFS)
- Enable users to associate their ZNS domains with IPFS content, providing decentralized and censorship-resistant web hosting capabilities

ENS Integration

- Explore integration with the Ethereum Name Service (ENS)
- Enable seamless interoperability between ZNS and ENS, allowing users to use their ZNS domains in Ethereum-based applications and vice versa

Cross-Chain NFT Integration

- Enhance integration with NFT platforms and marketplaces
- Allow users to link their NFT collections to their ZNS domains, providing increased authenticity, provenance, and verification for NFT assets





7. Conclusion

7.1 Summary

The Zetachain Name Service (ZNS) is a revolutionary naming system built on the Zetachain blockchain. It provides users with the ability to register and manage human-readable names as identifiers for their blockchain addresses, simplifying the user experience and enhancing accessibility within the decentralized ecosystem. With its core components such as domain registration, resolution, and ERC721 integration, ZNS offers a secure, scalable, and interoperable solution for decentralized web identity, simplified addressing, branding, NFT verification, and integration with social platforms. The ZNS token (ZNT) plays a crucial role in the ecosystem, facilitating transactions, governance, and incentivizing participation.

7.2 Vision

The vision of ZNS is to become the leading name service within the blockchain industry, empowering users and organizations with a unified and user-friendly identity system. By providing a decentralized and interoperable platform, ZNS aims to foster trust, enhance user interactions, and drive adoption across various blockchain networks. ZNS envisions a future where individuals and businesses can seamlessly connect, transact, and communicate within the decentralized web, fostering innovation, collaboration, and empowerment.

7.3 Call to Action

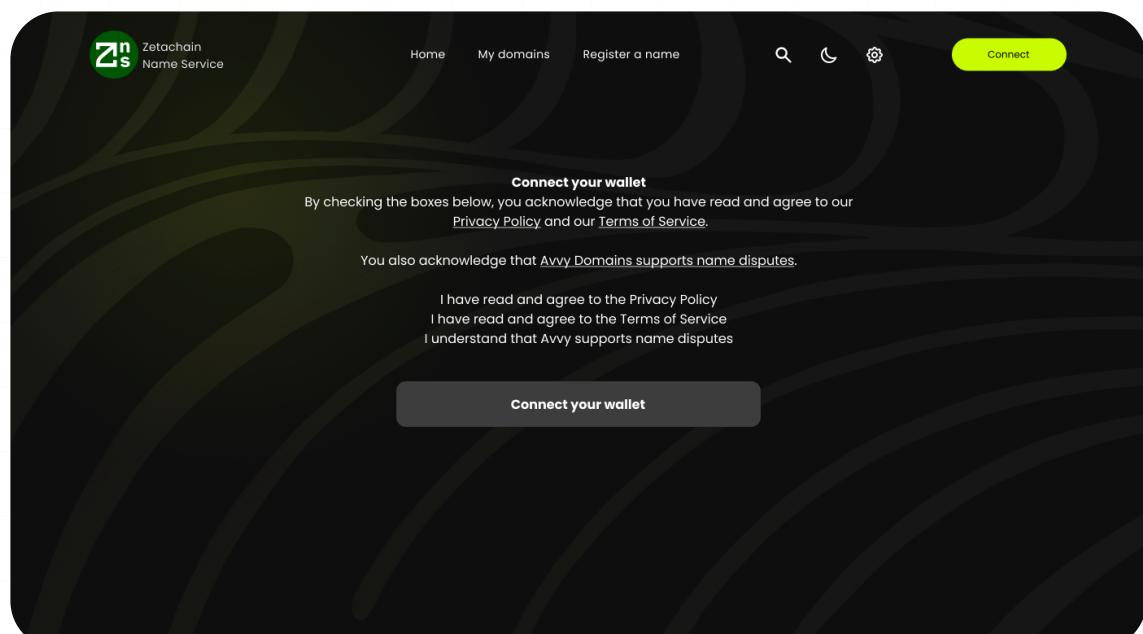
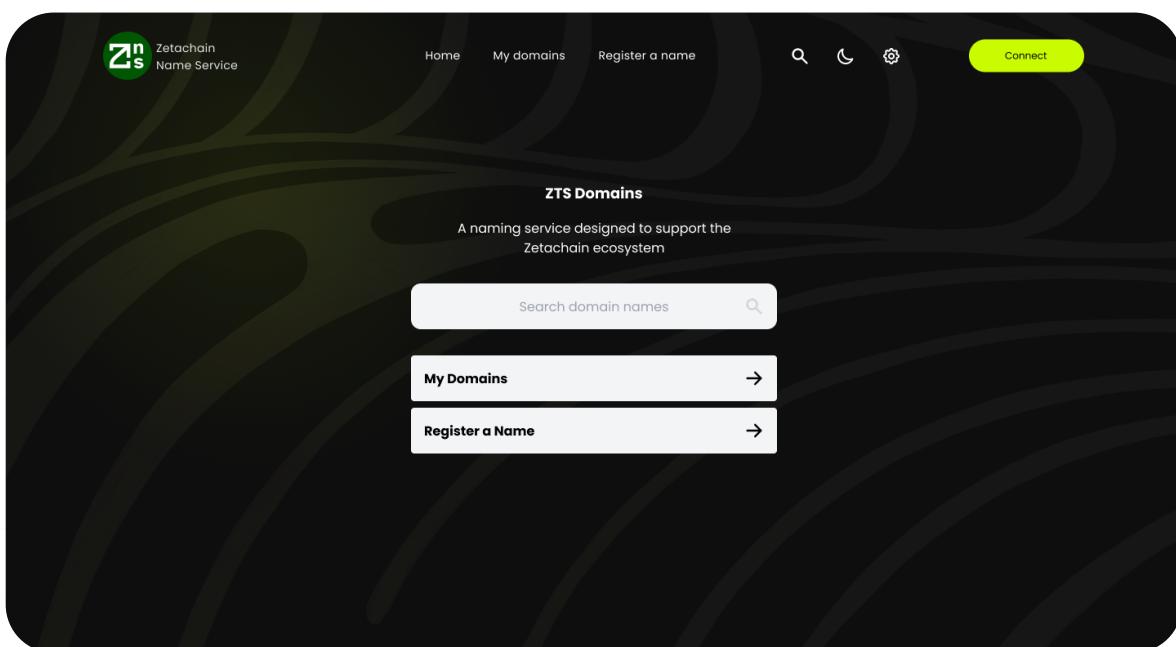
To participate in the Zetachain Name Service ecosystem, users are encouraged to explore the functionalities and benefits of ZNS. They can start by registering their own ZNS domains, linking them to their blockchain addresses, and experiencing the simplified addressing and enhanced user experience. Additionally, users can actively engage in the governance mechanism of ZNS by holding and staking ZNT tokens, participating in community discussions, and contributing to the development and growth of the ecosystem. Join the ZNS community, explore the possibilities, and be part of the decentralized revolution in web identity and addressing.

This comprehensive conclusion summarizes the key aspects of the Zetachain Name Service, its vision for the future, and encourages users to take action by participating in the ecosystem and leveraging the benefits of ZNS for their decentralized interactions.

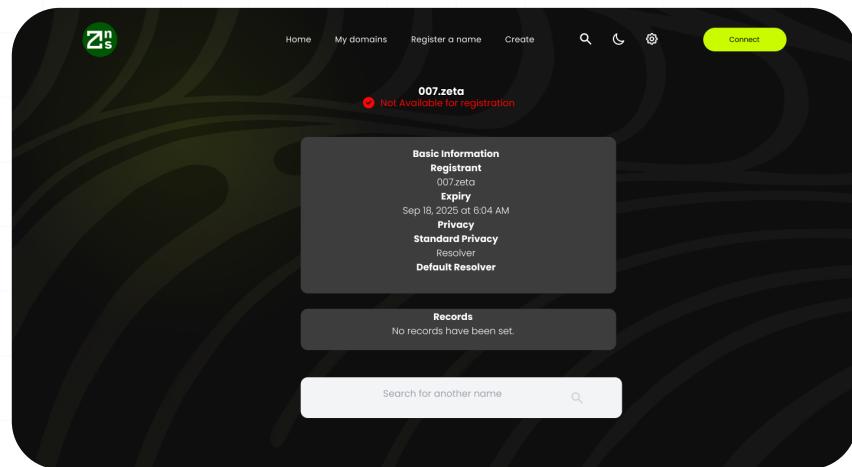
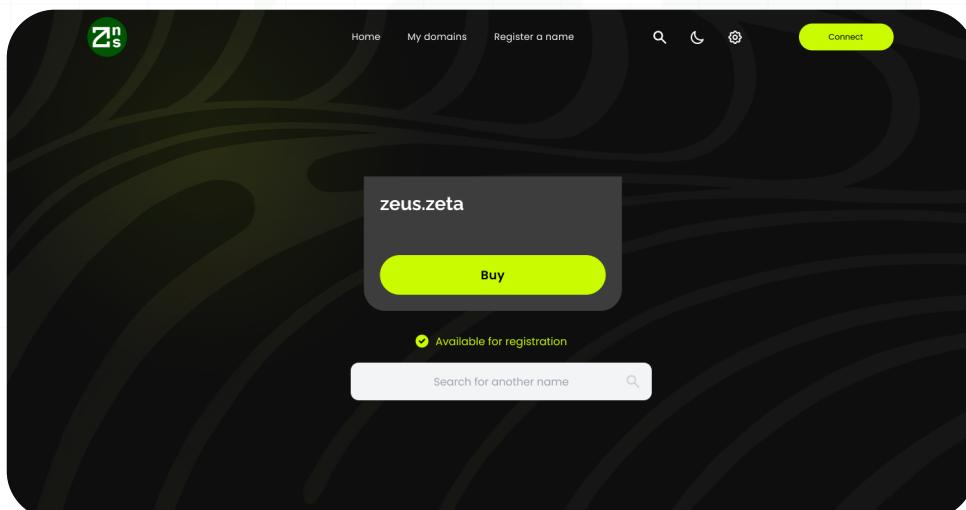
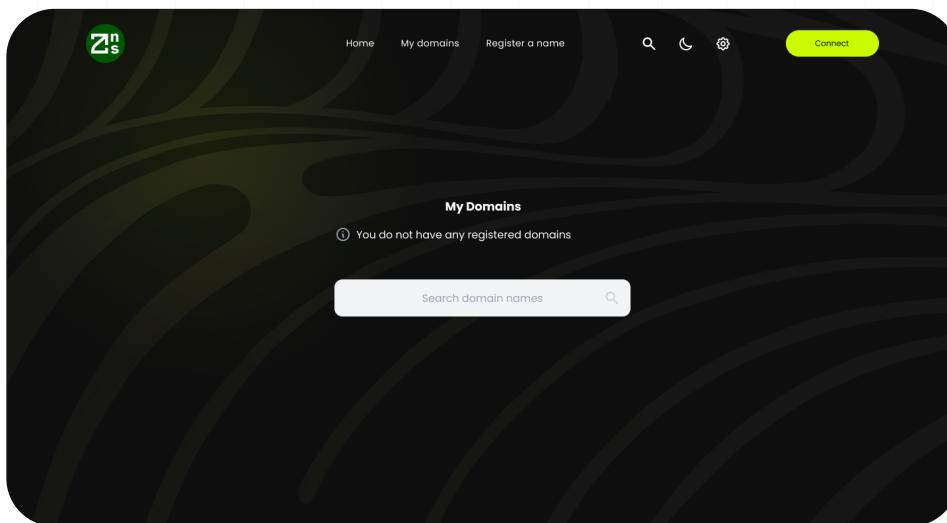


8. APP Prototype

- Introducing the ZNS Domain Marketplace, where you can discover and purchase domain names on the revolutionary Zetachain blockchain. 🚀🔗
- Experience the future of decentralized domain ownership as you explore our cutting-edge platform. With ZNS, you can secure unique and memorable domain names, powered by the robustness and security of the Zetachain network. 💪🌟
- Our platform offers a user-friendly interface, making it easy for you to search, browse, and acquire domain names that resonate with your brand, project, or personal identity. Say goodbye to traditional centralized domain registration and embrace the decentralized era of blockchain-based domain ownership. 🌎🌐



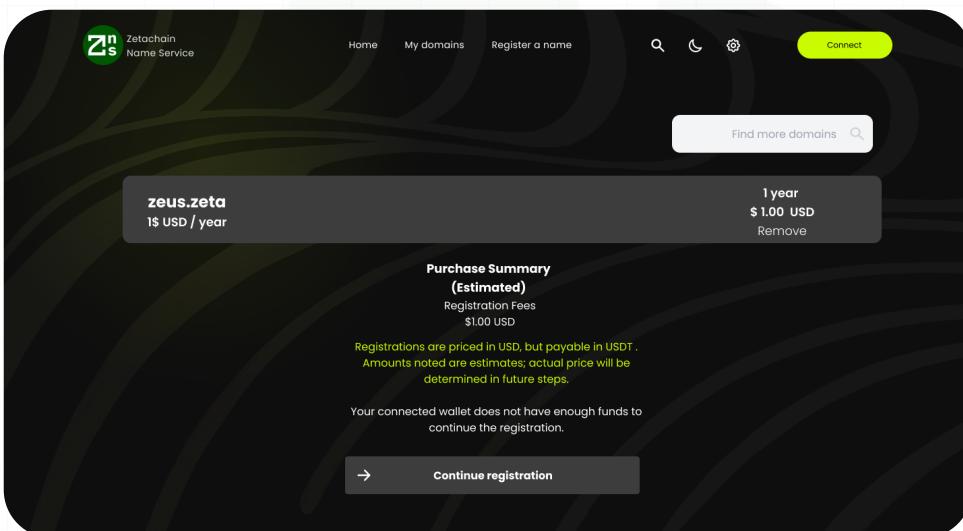
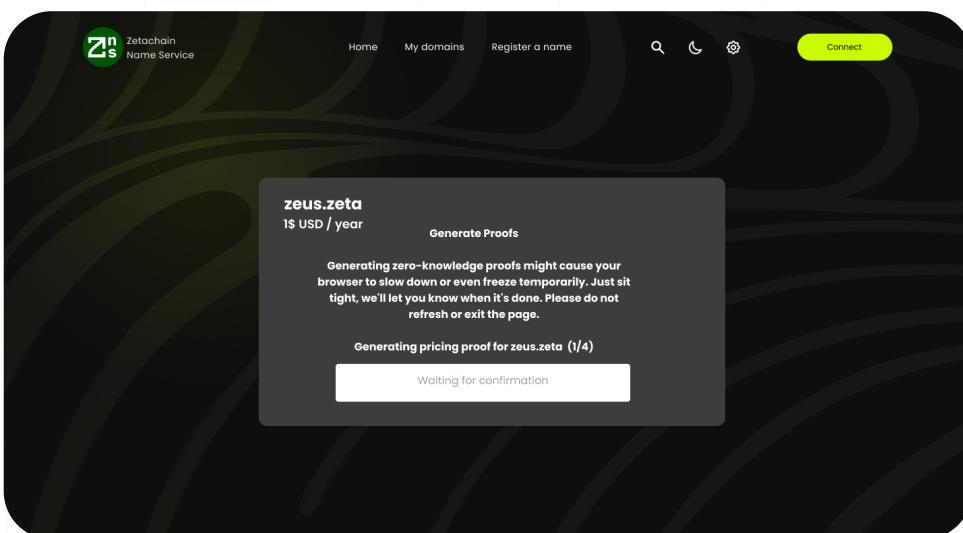
8. APP Prototype



8. APP Prototype



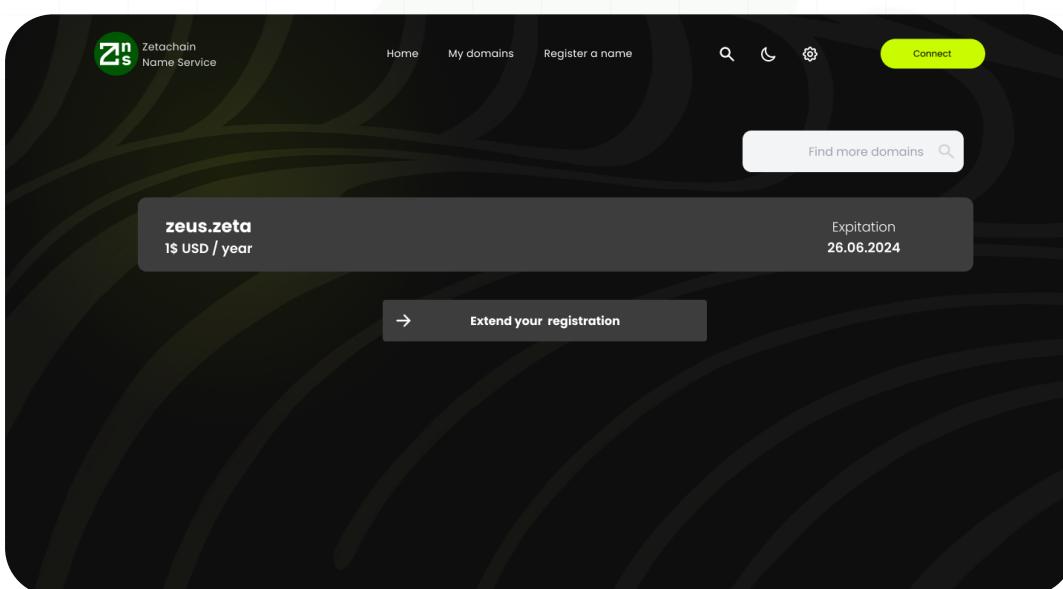
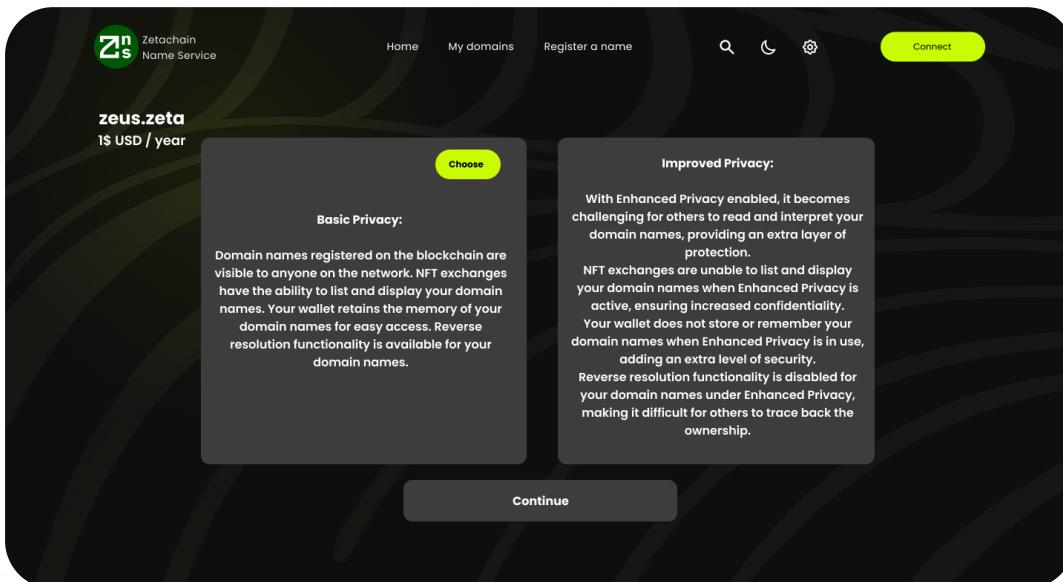
- Each domain registered on our platform is represented as an ERC721 NFT, ensuring true ownership and providing you with complete control over your digital assets. Transfer, trade, or store your domain names securely, knowing that they are protected by the immutability and transparency of the Zetachain blockchain. 
- Join the growing community of blockchain enthusiasts, entrepreneurs, and visionaries who are embracing ZNS as their preferred domain name marketplace. Unlock the potential of your online presence and enhance your brand recognition with a domain name that truly stands out in the digital landscape. 



8. APP Prototype



- Experience the next evolution of domain ownership. Start exploring the ZNS Domain Marketplace today and be part of the decentralized future on Zetachain. 🚀



Contact

- Join to our chat channels to discuss all question

Service	Link
Website	http://www.zetachain.domains/
GitBook	https://zetachain-name-service.gitbook.io
Join ZNS Guild	https://quild.xyz/zetachain-name-service
Twitter	https://twitter.com/ZetaChain_NS
Discord	https://discord.gg/2rrkuqT8pB
Telegram	https://t.me/zetachain_domains
link3.to	https://link3.to/zetachain_ns
Whitepaper	https://zetachain-name-service.gitbook.io/untitled/whitepaper

