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BLOCKCHAIN & AI TOOLS

WHITEPAPER **V1.0**

1. Introduction

This whitepaper introduces a groundbreaking, blockchain-based Artificial Intelligence (AI) project. The primary aim of this project is to democratize access to an array of compact AI tools, such as a YouTube summarizer, a brainstorming tool, and the latest OpenAI API, among others. The project plans to develop a unique token that can be utilized to pay for services within the platform.

Yet, the truly disruptive facet of BAI is its capability to merge AI with the intrinsic benefits of blockchain. Consider the envisioned callback feature for Smart Contracts: Smart Contracts can commission AI tasks that our system resolves. Once a solution is formulated, our system promptly informs the originating Smart Contract, which can then seamlessly integrate and act upon the result. This functionality not only enhances the fluidity of operations but also exponentially expands the applicative horizons of Smart Contracts.

A defining feature of our project is the significant role users play in steering the future direction of the platform. Notably, the decision-making power is vested not in the hands of token holders, but instead in the platform's active users. Our project acknowledges that those who use the system regularly are best placed to contribute valuable insights and ideas for its ongoing development.

By integrating user feedback into our decision-making processes, we ensure the platform evolves in ways that meet and exceed user expectations.

Combining cutting-edge AI technologies with a decentralized blockchain structure and a commitment to user-centric development, we aim to establish a platform that not only offers sophisticated AI tools but also promotes a more inclusive and equitable digital future.

2. Background and Motivation

In today's fast-paced digital world, AI tools are becoming increasingly indispensable, offering significant potential for enhancing efficiency and spurring innovation.

However, these powerful tools are often siloed in separate entities, such as OpenAI or MidJourney, each requiring individual registration, often involving personal information, and recurring monthly subscription fees. The fragmentation of these AI tools, along with their cost and the need for substantial expertise, creates significant barriers for small businesses, entrepreneurs, and everyday users. Additionally, the results generated by these tools are centrally held, raising concerns around data security and ownership.

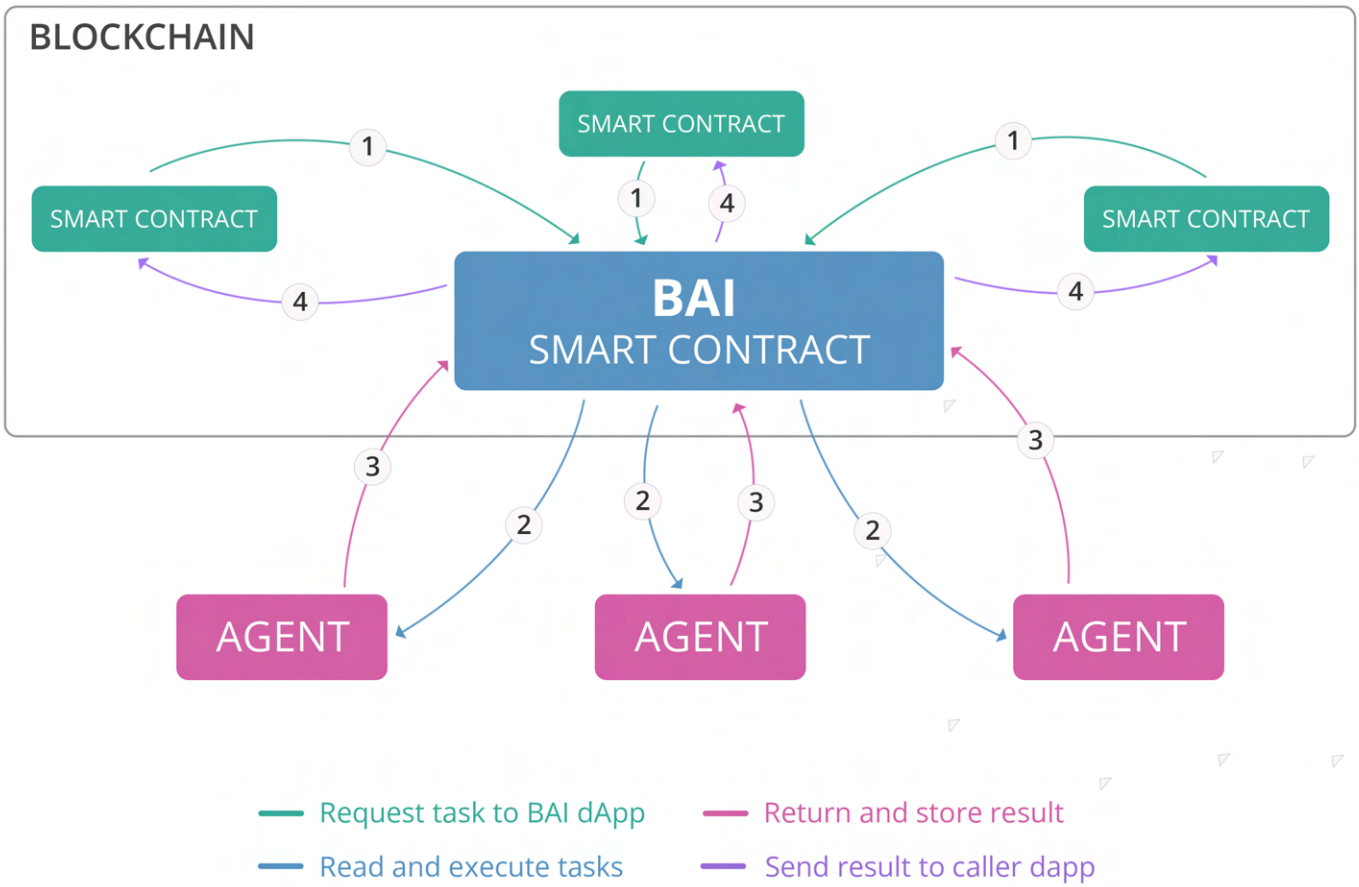
Our project seeks to revolutionize this landscape by democratizing access to AI services, making them accessible to individuals and businesses of all sizes, and enabling them to leverage the transformative power of AI.

Unlike the existing model, our platform doesn't require users to register or subscribe, eliminating the need for sharing personal information or dealing with multiple subscription fees. Moreover, users gain access to an array of AI tools in one place, offering convenience and ease of use.

Amid these developments, another pivotal integration sets our project apart. Recognizing the powerful potential of Smart Contracts in the blockchain realm, we introduce a callback feature that breathes intelligence into these contracts. A Smart Contract on our platform can commission AI tasks.

Once these tasks are tackled and resolved by our system, the originating Smart Contract is promptly notified of the solution, enabling it to harness this new information.

This novel approach bridges AI's analytical might with the deterministic nature of Smart Contracts, evolving them from mere self-executing scripts to dynamic, AI-enhanced entities.



Such innovation ensures that Smart Contracts can make more informed, adaptable decisions in real-time, marking a revolutionary stride in their evolutionary journey.

With our platform, users are not just accessing an array of AI tools, but they're stepping into a future where AI and blockchain coalesce, amplifying each other's capabilities.

By utilizing blockchain technology, we create a decentralized, secure, and transparent platform where results generated by AI tools are stored on the blockchain, ensuring their perpetual accessibility and security. This unique approach not only democratizes access to AI but also fosters a sense of ownership and control over the data generated, thereby empowering users like never before.

3. Token Economics

The project will develop its own native token, named the **BAI (Blockchain AI)**. The BAI token will function as a utility token within the ecosystem and facilitate access to the platform.

Users can acquire BAI tokens through various mechanisms including but not limited to: Purchasing from cryptocurrency exchanges.

Earning through contribution to the platform - developing new tools, identifying bugs, promoting the platform, running agents, etc.

The project's tokenomics have been deliberately designed to foster a sustainable and equitable ecosystem. **We will initially mint a total of 10,000,000 tokens**, with a controlled release plan over several years to ensure a steady and balanced token supply.

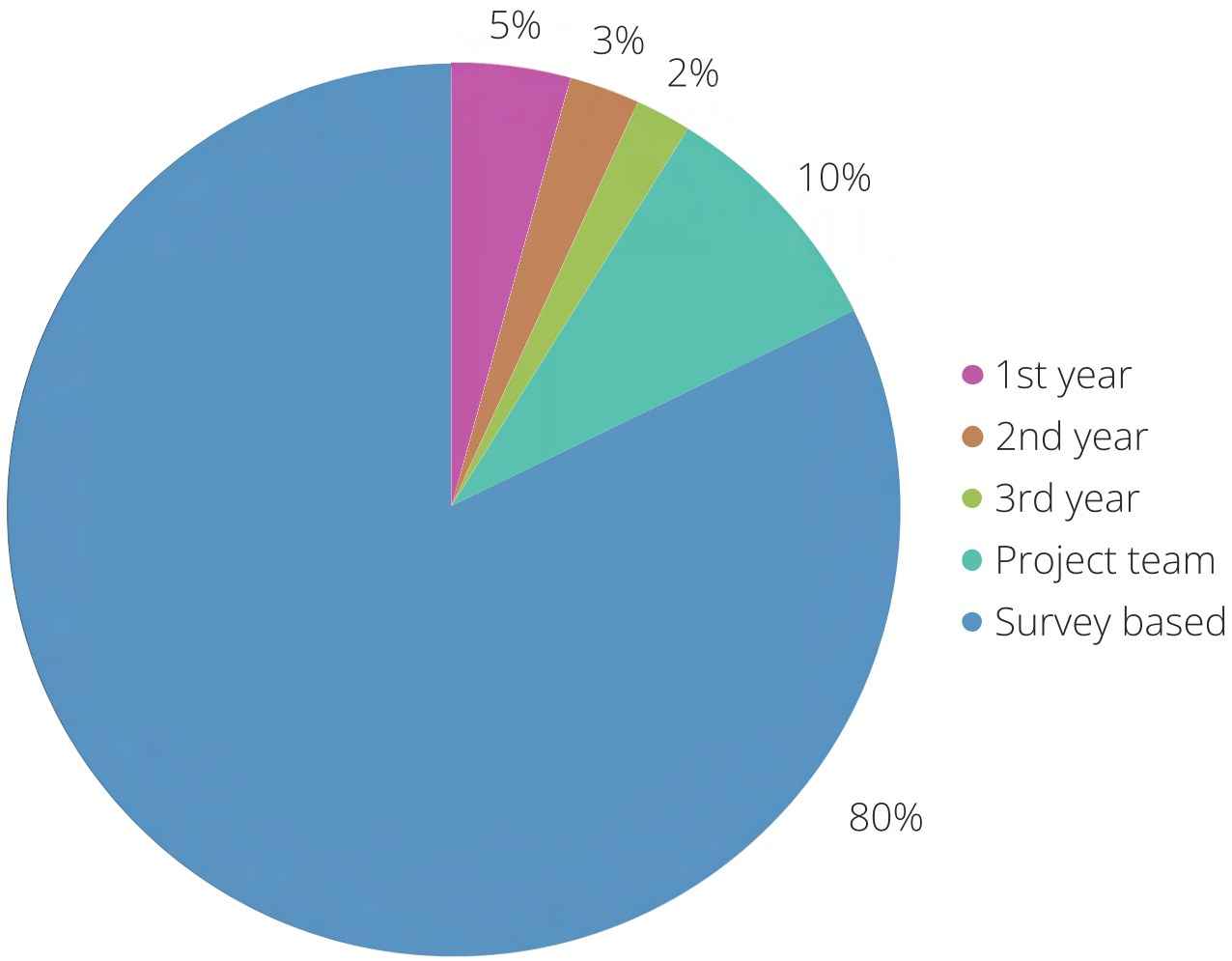
The sale of tokens will be handled via a smart contract implemented by our project. Users will be able to purchase tokens at a fixed price of one dollar each for the first year sale.

During this first year, we plan to sell 500,000 tokens. In the second year, we aim to decrease this figure to up to 300,000 tokens, and in the third year, we expect to sell up to 200,000 tokens, at market price. This gradual release will allow for the growth of a robust and stable network of token holders while minimizing the risk of rapid price volatility or market manipulation.

A total of 1,000,000 tokens will be allocated to the development team, serving as an incentive for sustained dedication and innovation. However, this allocation will only be disbursed after three years, further underlining our commitment to the project's long-term success.

The use of the remaining 8,000,000 tokens will be decided by the project team and the community.

The planned distribution of the tokens is shown in the following figure:



Asset name: BAI.
Asset id: 2fdzyHvXGCqaz1XA8m9fodemmP9giVBcpe4Jq9F63oFL
Decimal: 8
Reissuable: False
Max supply: 10 000 000

By implementing these tokenomics, we aim to foster a decentralized, equitable, and resilient ecosystem that empowers its participants and continuously adapts and evolves according to the needs of its users.

4. Decision Making Model

The decision-making process for our platform will adopt an inclusive, user-centric model. Distinct from traditional Decentralized Autonomous Organization (DAO) models, where token holders propose, discuss, and vote on decisions, our approach underscores active participation from all users of the platform, irrespective of their token holdings.

A unique feature of our decision-making model is the introduction of "use-weighted" voting. Users of our platform's services will have the opportunity to contribute their views and ideas via periodic surveys.

The weight of their input will be proportionate to their usage of the platform's tools. For example, a user who has utilized the tools 500 times will have a higher impact in the survey results than someone who used it once.

This system not only encourages fair and meaningful participation but also incentivizes more frequent use of the platform.

These surveys may cover a broad array of topics, including:

- Suggestions for new tools to be implemented.
- Ideas for changes in the platform's interface.
- Input on potential modifications to token economics.
- Initiatives to expand the platform's user base.
- Usage of the remaining 8,000,000 BAI tokens.

The results from these surveys will then be carefully analyzed and considered by the development team during the decision-making process. This way, we aim to ensure that the platform evolves in a manner that aligns with the needs and expectations of its active users, while maintaining a balanced and sustainable growth trajectory.

This innovative decision system aligns with our commitment to making AI tools more accessible, as it ensures that the direction of the platform is directly influenced by those who are actively using its services.

We believe this approach encourages a more democratic, inclusive, and user-centric evolution of our platform, promoting active engagement and fostering a sense of ownership among users.

5. Tools and Services

Our project is uniquely designed to provide straightforward and affordable access to an array of small AI tool. This approach is fundamentally aimed at lowering the entry barriers to these advanced technologies:

YouTube Summarizer:
This tool condenses lengthy YouTube videos into digestible text summaries, enabling users to quickly understand the content. By simplifying access to such tools, we aim to enhance information consumption efficiency for our users.

Brainstorming tool:
This tool supports idea generation and planning, offering significant help to entrepreneurs, writers, project managers, and other professionals. It is designed to be user-friendly, allowing individuals without a tech background to harness its benefits easily.

OpenAI API Access:
This service provides a simple, cost-effective access point to the latest OpenAI API. Users don't need to register with OpenAI directly; instead, they can conveniently utilize our project's token to gain access. By doing this, we're empowering users to access state-of-the-art AI capabilities without the hassle of individual registrations or the need for extensive resources and deep technical knowledge.

Access to Large Language Models:
In addition to the OpenAI API, our platform will simplify access to other high-performing language models, such as gpt4all, vicuna, and others. Users can harness the power of these models in various applications, including text generation, content creation, customer service, and more, with relative ease.

Image Generating AI Tools:

As an example of what can be achieved with our platform, consider an instance where the OpenAI API is used in conjunction with image-generating AI tools. Users can utilize our OpenAI API access to generate unique, contextual prompts, which can then be fed into image-generating AI tools to produce tailored visual content.

This could have widespread applications, ranging from content creation for social media to customized graphic design, all achieved without requiring expert technical knowledge.

Community-Driven Development:

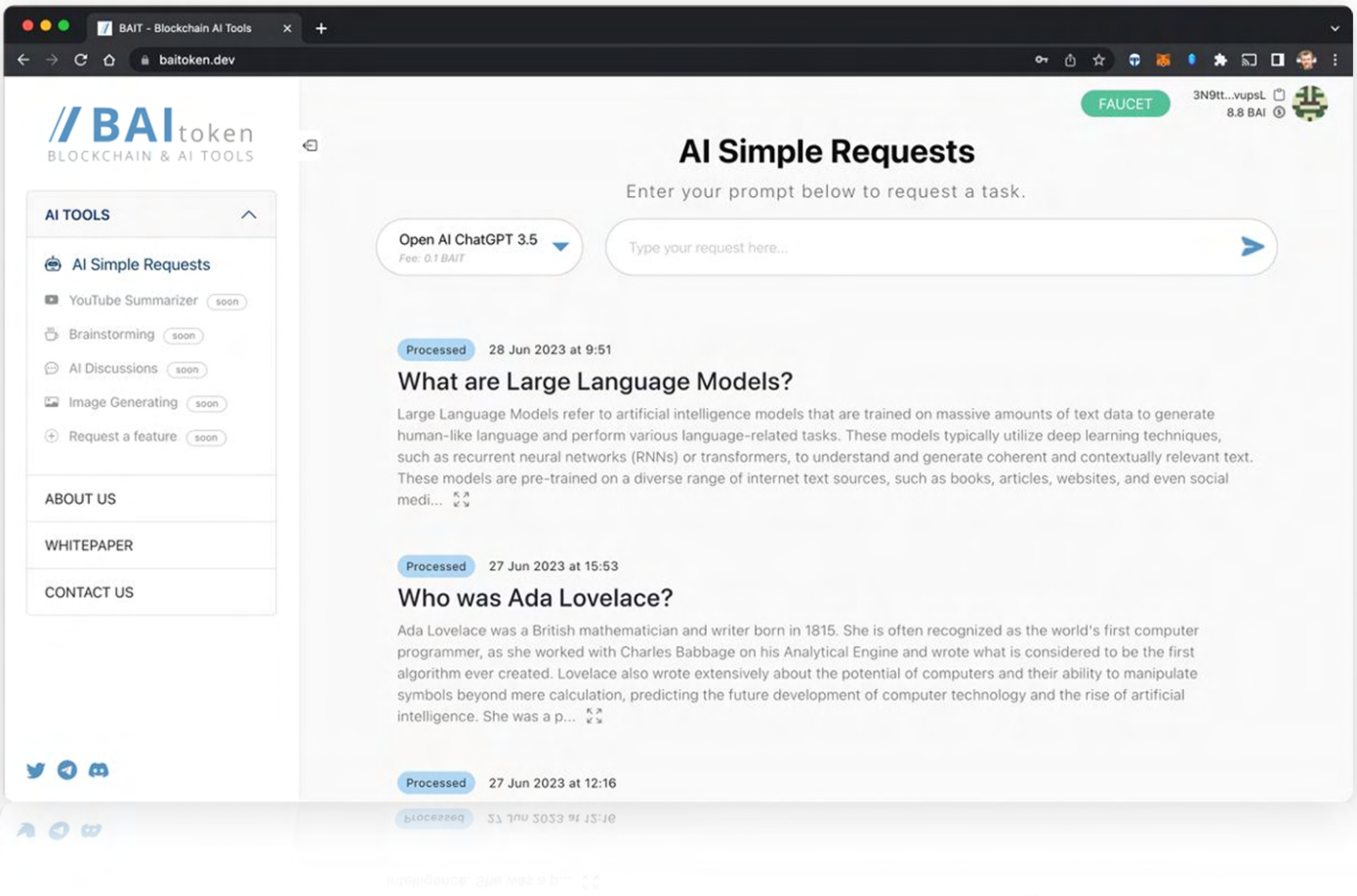
We encourage our community to ideate and suggest tools for implementation.

This community-driven approach promotes an innovative environment while ensuring the platform evolves to reflect its users' needs and aspirations.

The platform's ethos is firmly grounded in the principle of 'easy access'.
We strongly believe that by making AI tools accessible and affordable, we can empower our users and cultivate a more inclusive digital future.
The selection of future tools, services, and language models will adhere to this principle.
Additionally, they will incorporate the community's input, which is gathered through our decision-making model.
This model is based on surveys that engage the entire user base of the platform, ensuring that our development aligns with user needs and expectations.

Drawing upon the tools and services outlined in this whitepaper, we are pleased to present a preliminary look at our project through a Minimal Viable Product (MVP).

The screenshot below provides a glimpse of how these tools come together in a user-friendly interface:



This MVP showcases our initial range of AI tools and services, reflecting our commitment to offering a decentralized platform that democratizes access to AI technologies. The visual provides an overview of the YouTube summarizer, brainstorming tool, OpenAI API access, and other large language models.

Interlacing the prowess of blockchain technology and AI, we've pioneered an innovative feature that synergizes AI capabilities with Smart Contracts. Envision a Smart Contract able to assign an AI-driven task within our system. Once this task is executed and resolved by the AI tools in our ecosystem, the Smart Contract is instantaneously informed of the results.

By doing this, the project integrates a dimension of dynamic adaptability into Smart Contracts.

It's more than just creating a mechanism; it's about elevating Smart Contracts to new levels of versatility, where they can leverage AI outputs for smarter, real-time actions.

This intersection of AI and blockchain promises to push the boundaries of what both technologies can achieve collaboratively.

With such advanced functionalities seamlessly woven into the fabric of our platform, users are not merely accessing a suite of AI tools but entering a forward-thinking ecosystem where blockchain and AI converge for enhanced utility.

This whitepaper's ensuing sections will delve deeper into the mechanics, advantages, and the envisioned future of this approach, reinforcing our commitment to fostering a groundbreaking technological interface through Project BAI

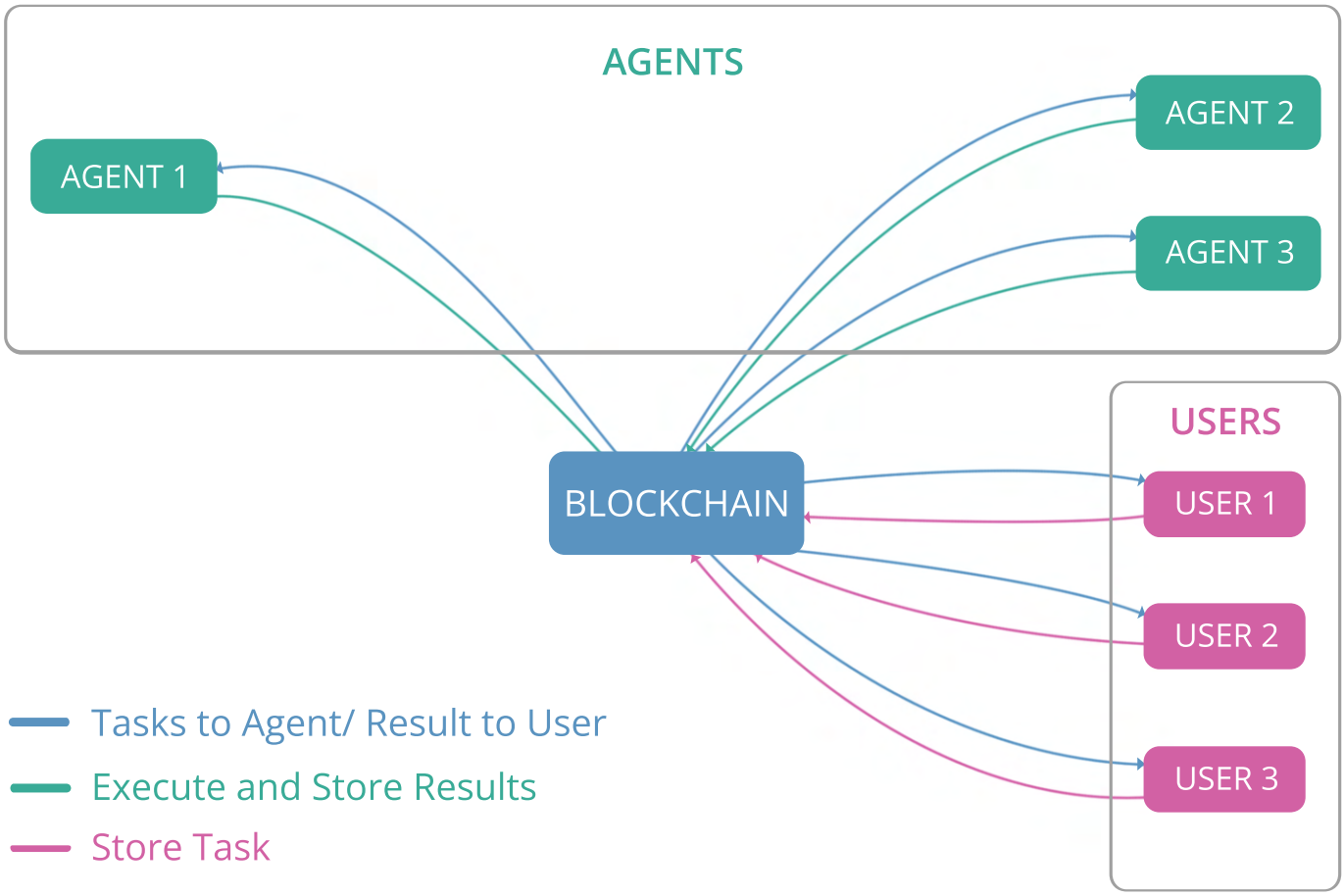
Remember, this is just the beginning. As we continue to evolve, user suggestions and participation will shape the expansion of our tool offerings, ensuring that our platform remains relevant, user-centered, and inclusive.

Your feedback and involvement are crucial to this journey. We welcome you to join us as we redefine access to AI tools through Project BAI.

6. Technology

The platform will use a blockchain-based architecture to ensure transparency, security, and decentralization. This blockchain layer will handle transactions, token operations, and the survey based decision processes. The AI tools will be developed and optimized using the latest advancements in machine learning and AI research, ensuring state-of-the-art performance.

Figure 1 shows the technical architecture of the project:



The "Users" represent the individuals or entities that are using the platform. They could be individuals looking for AI tools like a YouTube summarizer, a brainstorming tool, or access to the latest OpenAI API.

These users store their tasks or requests on the Blockchain.

These tasks could be a request to summarize a YouTube video, generate ideas using the brainstorming tool, or any other service that your platform provides.

In the ever-evolving landscape of digital technology, the distinction between users is not merely confined to human entities.

In our groundbreaking approach, the term "user" takes on an expansive definition. Beyond human users, our platform is architected to cater to the intricate needs of Smart Contracts.

These decentralized, self-executing contracts, native to blockchain technology, can directly interact with our suite of AI tools. By defining specific AI tasks, these Smart Contracts can harness our platform's capabilities to achieve their objectives, be it data analysis, content generation, or any other AI-driven requirement.
This seamless interaction showcases the symbiotic relationship between blockchain and AI within our system.

The fusion of these two revolutionary technologies ensures that our platform remains at the forefront of innovation, catering to both human users and the automated, logic-driven Smart Contracts that are becoming increasingly pivotal in the decentralized digital realm.

The "Blockchain" in the diagram represents the blockchain-based system the project is built on. This is where tasks are stored and results are returned. The blockchain ensures transparency, security, and decentralization of the platform. It also handles the token transactions for payments.

The "Agents" represent the AI tools or services that the platform provides. These could be the YouTube summarizer, the brainstorming tool, the latest OpenAI API, etc. These agents grab the tasks from the Blockchain, execute them, and store the results back on the Blockchain.

Once the tasks are executed and the results are stored on the Blockchain, the users can then grab the results. This could be the summarized YouTube video, the generated ideas from the brainstorming tool, or any other output from the services your platform provides.

The architecture of the blockchain-based AI project is designed to be highly scalable, which is represented in the diagram by the presence of multiple agents. Each agent represents an AI tool or service, such as a YouTube summarizer, a brainstorming tool, or access to the latest OpenAI API. As the platform grows and evolves, more agents can easily be added to the system to provide new services or increase the capacity of existing ones.

This means that the platform can scale to meet increasing demand, accommodate a larger user base, and continuously expand its offerings. The use of a blockchain-based system further supports scalability, as blockchain technology is inherently decentralized and can handle a large number of transactions and interactions efficiently.

Therefore, as the platform grows, it can continue to provide a seamless and efficient experience to the users.

The token developed for the project could be integrated into this system as the means of payment for the services. Users could use the token to pay for the tasks they store on the Blockchain.

The underlying technology and architecture of our project are pivotal to delivering on our vision of easy, affordable, and democratic access to AI tools.

Built on a robust blockchain foundation, the project utilizes decentralized technologies to provide security, transparency, and seamless interactions within the platform. To further enhance accessibility and interoperability, our project aims to adopt a multichain approach.

A multichain architecture enables the project to operate across multiple different blockchains, benefiting from the unique advantages of each and fostering a broader, more diverse network of users.
To facilitate this, for every new blockchain we incorporate, a dedicated gateway will be established.

These gateways are essential in making the BAI utility token available within the ecosystem of the new chain. By creating a token bridge through these gateways, we can ensure that BAI tokens remain universally compatible and retain their utility regardless of the underlying blockchain.

This approach allows us to leverage the specific advantages of each integrated blockchain while maintaining a unified, accessible, and decentralized AI tools platform. Through this, we aspire to create a truly interoperable, versatile, and user-friendly ecosystem for AI tools powered by blockchain technology.

Our intention is to replicate the project's architecture on various other chains, maintaining a consistent and reliable user experience regardless of the underlying blockchain.
This approach ensures our platform remains versatile and resilient to the evolving landscape of blockchain technologies, while also expanding our reach to a broader user base across different ecosystems.

Implementing multichain compatibility allows our project to adapt and thrive in various environments, ensuring accessibility, maintaining system integrity, and furthering our mission of democratizing access to AI tools. By harnessing the strengths of multiple blockchains, we enhance our platform's robustness, flexibility, and overall utility.

7. Team

Our groundbreaking project is being led by a seasoned team consisting of Christophe Verdot and Marc Jansen.

Both team members possess a wealth of experience in the blockchain and AI domains and are well-reputed figures in the Waves ecosystem. Their unique set of skills, combined with their shared vision to democratize access to AI tools, makes them the perfect fit for driving our platform's development.

Marc Jansen is a respected name in the blockchain arena and a Day-0 Waves investor. He boasts an impressive portfolio, having run multiple nodes on the Waves network, maintained the PyWaves Python API for Waves, and spearheaded several unique projects on the Waves platform.

Additionally, his expertise has been critical to the success of numerous other projects initiated on Waves.

Marc's experience extends beyond Waves, with a particular focus on crosschain applications. He has previously developed gateway frameworks and facilitated token swaps between different chains, strengthening the project's commitment to a multichain architecture.

A distinguished scholar, Marc's deep research background spans the areas of blockchain, cryptocurrencies, and artificial intelligence. His wealth of knowledge, combined with his innovative approach and visionary leadership, provide a solid backbone for our ambitious project.

Christophe Verdot, similarly, brings with him an esteemed reputation within the Waves universe.

Like Marc, Christophe's involvement in the Waves community and his unique set of skills make him a key asset to our project.

He is the founder and lead developer of one of the main NFT marketplace on Waves: SIGN Art.
He developed several other tools and projects on Waves like a Blockchain Document Certification dApp or a NFT Ticketing application. He is well experienced in RIDE and has good knowledge in Solidity as well as he built a cross chain gateway for SIGN Art NFTs.

Prior to focusing on building Blockchain projects, Christophe was a freelance Fullstack Developer for around 18 years, working for brands like Disney, Sephora, the World Bank or the European Union to name a few.

Together, they form a formidable duo with a proven track record in the Waves ecosystem. Their combined expertise and commitment to the project are instrumental in steering it towards its goal of creating a user-centric, secure, and transparent AI tools platform. Under their leadership, the project is poised to shape a more democratic, inclusive, and innovative digital future.

8. Future Directions and Long-Term Vision

Our long-term vision for the project is to create a vibrant, community-driven platform that democratizes access to AI tools. We envision a future where users from all backgrounds can leverage the power of AI to enhance their personal and professional lives.

With an architecture built on blockchain technology and a unique decision model centered around user participation, our aim is to create a platform that grows and evolves with the active input of its community.

Users of the platform's services will have an integral role in its development, contributing their thoughts and feedback through surveys.

These responses will then be evaluated by the development team, ensuring the platform's evolution aligns with user needs and expectations.

We believe this approach can redefine how AI tools are developed, accessed, and utilized, ushering in a more inclusive and innovative digital era.

Taking our vision a step further, it's pivotal to understand that in this ecosystem, "users" are not restricted solely to human entities. The sophisticated design of our platform allows for blockchain-based Smart Contracts to act as users, integrating with our suite of AI tools seamlessly.

These autonomous contracts can define AI tasks which our platform then undertakes, returning results directly to the initiating Smart Contract.

This amalgamation of blockchain and AI functions streamlines processes and introduces a new paradigm wherein AI-driven solutions can be autonomously sought and utilized by decentralized contracts.

It's an embodiment of our commitment to versatility and inclusivity, opening up possibilities for myriad applications and interactions in a truly decentralized digital space.

This integration underscores our mission: to create a platform that not only serves individuals but also empowers the broader digital infrastructure, fostering a holistic and interconnected digital future.

9. Conclusion

By combining blockchain and AI, this project presents a revolutionary approach to democratize access to AI tools and services. As we embark on this journey, we invite all interested parties - users, developers, potential partners, and investors - to join us in creating a vibrant and inclusive AI ecosystem.

10. Disclaimer

Please note that this is an early draft of the BAI project whitepaper and many aspects described herein are currently under active research, development, and legal validation. The BAI project team reserves the right to make changes to the project details, tokenomics, timelines, and other elements presented in this document.The intent of this document is to provide an overview of our vision and current strategy, but it is important for potential participants to understand that the execution of this strategy will evolve over time based on a variety of factors, including but not limited to technology developments, legal and regulatory changes, and community feedback. Before making any decision to participate in the BAI project or purchase BAI tokens, please ensure you stay updated with the latest information, which will be made available on our official website and communication channels. Participation in the BAI project and purchase of BAI tokens is subject to your agreement with our Terms of Service and acceptance of our Risk Disclosure.