

# **USDAO**

## ***A Stablecoin For The Enterprise***

**White Paper v1.0**

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**Usdao.io**

# **Abstract**

The motivation to develop a stablecoin like USDAO is to build an enterprise-friendly, easily integrable as well as interoperable stablecoin that should not only be as reliable as fiat currencies currently are but also open new doors of possibilities for businesses using blockchain technology. We share the pain of lack of any such solution despite the market flooded with hundreds of stablecoin projects. We intend to provide a solution to this problem. We, at USDAO Foundation, have built a stablecoin that should simplify transactions in business processes and extend limits for global transactions by offering faster and safer transactions, larger transaction volumes, decentralised governance, and much more advantages than both our centralized and decentralized competitors. We promise to offer simpler implementation and easy integration of our technology into your existing businesses. USDAO is powered by multiple blockchains including Ethereum which is itself a reputed and established market leader in decentralized applications technology.

## **Role of the USDAO Foundation**

The USDAO foundation is a not-for-profit corporation charged with the responsibility primarily to focus on maintaining the ecosystem and nurturing the community. However if there occurs a situation that requires immediate action to prevent any catastrophic event the foundation holds the right to step in and take right action. It is important to clarify, however, that the foundation would never participate or promote an action that causes an individual or a party including the USDAO foundation itself any monetary benefit.

Having said that these are few situations the USDAO foundation holds the right to take an action:

1. Upgrading or launching a new or improved version
2. Adding new oracles or removing obsolete oracles
3. To ensure the safety of the pool and safeguarding the interests of the users during an unknown event

We believe in the principle of *deploy and forget* and we wish that there may never occur such a situation where we need to step in to safeguard our system. In the majority of the scenarios the community shall govern the USDAO project through our governance model.

## Problem Statement

In recent years cryptocurrencies have unlocked new horizons of digital transformations that once seemed like an alien technology and mostly beyond comprehension. In the past decade, we have seen Bitcoin, a true peer-to-peer decentralized digital asset that runs without any government or central institution. Then came Ethereum that offered the concept of smart contracts and opened the gates to ineffable technological possibilities by offering a trustless machine not just to transfer digital assets but beyond.

However with a history of unstable and high volatility in prices of these cryptocurrencies the dream of running a sustainable enterprise using cryptocurrencies is still a far cry. And thus stablecoins were invented to solve the above problem. As of writing this paper there exist over 200 stablecoin projects both in the active and under-development phase. Yet we don't see a true enterprise-friendly and reliable stablecoin that can replace fiat currencies in digital transactions.

## Overview

In order to create a stablecoin that meets the requirements of businesses and enterprises, it is important that not only it is competent enough against traditional solutions but also present significant improvements over them. We offer USDAO stablecoin as a solution to the above problem. USDAO stablecoin has been designed to keep simplicity, interoperability, and business compatibility at its core. Integrating USDAO as a payment channel into your existing business or enterprise use case is simpler than the leading payment solutions available today. All you need is a blockchain wallet with an account to send and receive payments in USDAO to get started. The process is simpler compared to traditional solutions which include registrations, kyc, complex integrations and high transaction fees.

Unlike many other existing stablecoins like USDT and USDC we offer 100% transparency in accountings and a robust governance mechanism which shall be fully decentralized and run by an open community. We have also removed the unfair and unnecessary burden of overcollateralization mechanism of assets for minting tokens like Dai does. Instead we bring a fairer and robust protocol to maintain the pool stability. The USDAO pool mechanism assures that the pool never gets undercollateralized and users are never threatened of forced liquidation.

Above all, unlike its rivals USDAO comes up with an ecosystem of use cases. The USDAO stablecoin is one crucial element to the financial architecture we are building. The details of such use cases are mentioned in the respective sections below. The presence of USDAO on multiple blockchains and combining its interoperability and compatibility it becomes a one stop destination for truly decentralized robust, safe and secure financial solutions that are industry ready.

Before moving onto USDAO workflow let's dive into some of its important and crucial components and terminologies. All prices are denominated in ether. These prices are computed by consulting ETH/USD price oracles, except when otherwise stated. Since the stablecoin is deployed on multiple blockchains the keyword ERC20 is used in general form. Every such statement is true for all the other protocols like BEP20 or TRC20 for Binance Smart Chain and Tron respectively.

## **Components & Terminologies**

### **USDAO**

This is the actual stablecoin whose price is pegged relatively to 1 US dollar. It can be minted using either Ether or other specific ERC20 tokens. The amount of token minted depends upon the median ETH/USD price returned by the oracles used by the system at the time of the transaction.

### **ASSET**

The primary role of the ASSET token is to allow investors to fund the reserve pool with Ether and help USDAO maintain its price pegged to 1 US dollar regardless of any market fluctuations. The price of the ASSET token also varies proportionally to the Ether price.

## **Advantages of holding ASSET token**

- When Ether prices fall sharply it creates an opportunity for investors to mint more ASSET tokens for cheaper Ether prices. And when the price of Ether rises back high they can cultivate their profit.
- The holders of Asset tokens shall receive dividends through the profit generated by the various use cases of USDAO like startups funding, payment solutions etc.

## **Reserve Pool**

The Ether that is deposited during the minting operation of either USDAO or ASSET token is deposited into the USDAO smart contract, also known as, the reserve pool. The reserve pool is the backbone of the whole system as it determines the health of the economy of the system. It helps determine the price of the ASSET token as well as determine the debt ratio.

## **Mint Price**

Mint price is the price at which USDAO stablecoin is minted against Ether. It is relatively pegged to 1 US dollar worth of Ether. The current price at the time of minting one dollar's worth of ether, determined by the median ETH/USD price returned from the oracles.

The mint price may be subject to fluctuation from its base price of 1 US dollar. This is intentional and is important to discourage any arbitraging opportunities.

## **Burn Price**

Burn price is the price at which the user withdraws back his Ether against the stablecoins. Equivalent to the minting price the burn price is decided by the current ETH/USD prices returned from the oracles. The current price at the time of burning one dollar's worth of ether, determined by the median ETH/USD price returned from the oracles.

## **Fund Price**

Fund price is the price at which the ASSET token is available to be minted against Ether. Unlike USDAO mint price, fund price is not pegged to any constant value. Its price can vary and is proportional to the current ETH/USD price.

## Defund Price

Defund price is exactly the reverse of the fund price. It is the price at which investors can get their Ether back by redeeming the Asset tokens back to the system.

## Debt Ratio

In its simplest mathematical representation, the debt ratio is basically the ratio of the total number of stablecoins out in the market to the US dollar value of the reserve pool i.e

$$\text{Debt ratio} = \text{total USDAO stablecoins in the market} / \text{USD value of the reserve pool}$$

The debt ratio signifies the ratio of the amount of buy and sell activities of USDAO stablecoin in the market at that point of time. *In other words*, if the debt ratio is, let's say, 50% that is equivalent to say that for every 100 US dollars worth of Ether present in the system there are 50 stablecoins (worth 50 USD) out in the market. This also means that should each token be burnt right now for Ether the system has sufficient collateral in the pool to pay everybody back.

The debt ratio of 100% or above is an alarming situation for the system because it means the system does not have enough Ether to return to users in case of 100% USDAO token withdrawal. Hence at this stage, the users receive Ether which is in proportion to the amount of tokens they are withdrawing and the amount of Ether available in the pool.

As an example, let's consider a situation where 1 Ether is 1 USD. Let's suppose there are a total of 100 USDAO tokens in the market. Now let's assume a person owns 50 of them and he wants to burn 50 USDAO tokens. If the debt ratio is below 100% he shall receive Ethers worth 50 USD. But if the debt ratio is above 100% and only 80 USD worth of Ether is present in the pool then the price of each USDAO reduces to 80 USD/100 USDAO i.e 0.8 USD per USDAO. So the user shall get about 40 USD worth of Ether after the burn.

In such situations, the debt ratio then must be brought down below by funding the reserve pool by minting ASSET tokens. The foundation must be proactive to ensure required steps must be taken to keep the debt ratio below 100%.

## MAX Debt Ratio

When the debt ratio goes above 80% the defund of ASSET is disabled until the debt ratio falls below 80%. This is important to prevent funders from emptying the pool completely so as to protect the financial interests of USDAO users. Hence, the 80% debt ratio is the Max Debt Ratio of the system for ASSET token holders.

## Oracles

An oracle is a reliable source of ETH/USD price. Our system currently fetches the ETH/USD price from three oracles - **Chainlink**, **Uniswap V2**, and **Compound** oracle. These oracles are an indispensable part of the whole system as it determines the mint, burn, fund, and defund prices. The debt ratio is also determined by the prices returned by the oracles.

The reason to use three oracles is to protect the system against any malfunction or inaccuracy in any individual oracle. The system calculates the median price returned by these three oracles, which is further used in operations like mint, burn, etc.

## Architecture

The USDAO stablecoin smart contracts consists of multiple smart contracts. The USDAO smart contract is the smart contract for USDAO stablecoin and is the original ERC20 stablecoin whose price is pegged to 1 US dollar. The second token, ASSET token, is also an ERC20 token but its price may fluctuate depending upon the volatility in the Ether price. The prime role of the ASSET token is to absorb all the market price volatility of Ether from USDAO and help it maintain its original price which is 1 US dollar. The ETH/USD price is determined by the median price of three oracles namely Chainlink, Uniswap, and Compound.

The whole system is governed by a set of governance protocol smart contracts. The prime role of governance protocol is to provide the keys of USDAO governance in the hands of a decentralised community. The holders of governance tokens can create, vote, and delegate proposals forming a DAO for the stablecoin. This is explained in detail in the governance section.

Apart from regular mint, burn, fund, and defund operations users can also stake stablecoins to get more stablecoins as rewards for long-term holders of the stablecoin. This is possible through the staking mechanism provided by staking smart contracts.

## How it works

The USDAO stablecoin is designed to be pegged to 1 US dollar. The two operations, mint and burn, help it maintain its peg. When either of these two activities increases more than the other the USDAO mint or burn price rises up or falls down slightly in order to discourage any more such operation. However, ideally in stable market conditions, if a user deposits x dollar worth of Ether into the system he shall receive x amount of USDAO stablecoins. Conversely, if a user deposits x amount of stablecoins back into the system he shall receive x US dollar worth of Ether back in his wallet.

The prices for all such operations are determined by the median price of three oracles - Chainlink Eth/USD price, Uniswap V2, and Compound oracle.

However, since the price of Ether is constantly volatile it is required to maintain the US dollar value of the reserve pool always greater than the amount of stablecoins out in the market. This is made possible by the second token called the ASSET token. ASSET tokens allow investors to fund the system with Ethers to keep the system always healthy. Similar to USDAO, the holders of ASSET tokens can also buy (or fund) and sell (or defund) their tokens. However, the ASSET token is a token that assumes the risks and harvest the benefits. It gives investors a unique opportunity to not only scale their profit but also earn share in revenue.

The exchange rate for the above operation is determined by a set of oracles. One of the biggest hurdles in keeping the trade fair arises through irregular oracle prices. Differences in prices in the USDAO system and the outside world may expose the whole system to unknown opportunities for exploitation and arbitrage. To overcome this issue the protocol utilizes three popular and reliable oracles -

- *Chainlink's* ETH/USD feed, sourcing a bunch of off-chain sources.
- A *Uniswap v2* TWAP (time-weighted average price) vs a stablecoin: specifically, ETH/USDC.
- *Compound's* Open Oracle system, combining ETH/USD prices from providers like Coinbase.

Now even if one of the oracles stopped working or provided the wrong prices the system will still continue to work properly. Using the median of the three oracles protects against malfunction by any single oracle. The median value returned by the oracles is used for the system's operation.



The protocol also has pool contracts that hold collateral (ETH) and other features like secure transactions, that allows the protocol to prevent fraud from any party with the use of strong cryptographic techniques which makes this protocol more secure and safe over the public blockchain.

USDAO can be used for everyday means of exchange, a store of value, market entry, and most commonly, to provide a less volatile holding ground for investors and traders during the upswings and crashes of the cryptocurrency market.

## Advantages

- **Resourceful documentation, APIs and tools to build applications easily and elegantly on top of USDAO system** - We are providing a rich content for the documentation, libraries and APIs along with tutorials to the developer community to build applications on top of USDAO. The resources will be compatible with all the major programming languages that are popular in blockchain development. This promises a continuous innovation & development of innumerable applications in future.
- **Simplified integration and user friendly tools** - We have emphasized heavily on keeping the complexity of the applications away from user experience. The applications and tools built on USDAO stablecoin are very simple to integrate into any web or mobile application. All our applications are designed to be cross OS platforms, cross browser platforms with minimal clicks and dependencies. We are also providing simple documentations, video tutorials and support to simplify integration of our apps on your platform easily and with minimal technical knowledge.
- **Robust architecture and strong peg to 1 USD** - The pool mechanism is designed in such a way to always grow in value without putting any financial pressure on either users or investors. This ensures the stablecoin is always strongly pegged

to 1 USD by keeping the debt ratio always low. The system is also designed to keep a balance between the number of mints and burns and punishes too much arbitrage activity committed in a short period of time. It is designed to keep the collateral position stronger irrespective of market bullish or bearish run.

- **Governed by a 100 percent decentralized community** - Any person with governance tokens has the right to create, vote, or delegate proposals which can make important and crucial changes depending on the future requirement.
- **Presence in multiple blockchains** - USDAO and its applications are deployed in multiple blockchains including Ethereum and others. As more improved and better blockchain platforms emerge in future we shall mark our presence there as well.
- **Available in multiple pairs and on all major exchanges** - USDAO shall be available to all the major exchanges of the world including both centralized and decentralized exchanges. It shall also be available in as many pairs as possible notably USDAO/ETH, USDAO/BTC and many more.

**Fig. High-level overview of the project**

## Detailed Comparison & Review of USDAO, USDT, USDC & DAI

Features	USDAO	USDT	USDC	DAI
<b>Market Cap (17-5-2021)</b>	-	\$58,312,486,674	\$14,378,577,925	\$4,902,995,518
<b>Current Price (17-5-2021)</b>	-	\$0.9996 - \$1	\$0.9999 - \$1	\$0.9996 - \$1
<b>Circulating Supply (17-5-2021)</b>	-	58.31B USDT	14.38B USDC	4.90B DAI
<b>Launch Date</b>	-	2014	2018	2017
<b>All Time High</b>	-	\$1.07	\$1.16	\$1.13
<b>Live</b>	-	Yes	Yes	Yes
<b>Asset Backed/Algorithmic</b>	Asset Backed	Asset Backed	Asset Backed	Asset Backed
<b>Crypto Reserve</b>		USD, EUR, YEN	USD	ETH
<b>Underlying Asset</b>	USD	USD	USD	USD
<b>Transparency</b>	High	Medium	Medium	Medium
<b>Ownership</b>	Community	Several Exchanges	CENTRE	Maker (MKR Token Holders)
<b>Platform</b>	Ethereum, BSC, Cardano, Algorand, Solana, OKEChain, Huobi Eco Chain, Avalanche, Elrond, Tron,	Ethereum BSC, Solana, Omni Protocol, EOS, Tron, Algorand	Ethereum	Ethereum

	Hadera Hashgraph, Polkadot			
<b>Decentralization</b>	High	Medium	Medium	High
<b>Automation</b>	High	Medium	Medium	High
<b>Complexity</b>	High	Low	Low	High
<b>Open Source</b>	Yes	Hybrid	Hybrid	Yes
<b>Fund Freezing</b>	No	Yes	Yes	No
<b>Ecosystem</b>	Community	Centralized	Centralized	MakerDAO and Ethereum Community
<b>Exchangeability</b>	Yes	Yes	Yes	Yes
<b>Symbol</b>	USDAO	USDT	USDC	DAI
<b>Algorithm</b>	-	-	-	-
<b>Minable</b>	-	-	-	-
<b>Website</b>	Usdao.io	Tether.to	Centre.io	Makerdao.com
<b>Whitepaper</b>		<a href="https://tether.to/wp-content/uploads/2016/06/TetherWhitePaper.pdf">https://tether.to/wp-content/uploads/2016/06/TetherWhitePaper.pdf</a>	<a href="https://f.hubspotusercontent30.net/hubfs/9304636/PDF/centre-whitepaper.pdf">https://f.hubspotusercontent30.net/hubfs/9304636/PDF/centre-whitepaper.pdf</a>	<a href="https://whitepaper.io/document/588/dai-whitepaper">https://whitepaper.io/document/588/dai-whitepaper</a>
<b>Privacy (KYC)</b>	-	-	-	-
<b>Collateral Type</b>	Crypto Backed	Fiat Backed	Fiat Backed	Crypto Backed
<b>Liquidity</b>	High	High	High	High
<b>Ease Of Use</b>	High	High	High	High
<b>Legal Name</b>	-	iFinex, Inc.	Circle Internet Financial Limited	MakerDAO Foundation
<b>Audit Frequency</b>	Public Smart Contract	Infrequent	Monthly	Public Smart Contract
<b>Hardware Wallets</b>	-	Ledger, Trezor	Ledger, Trezor	Ledger, Trezor
<b>Exchanges</b>	Bitmax, Poloniex, Kraken, Bittrex, Latoken, Coinbene, Kucoin, Probit, CEX, Huobi	Kucoin, Bitfinex, Binance, Poloniex, OKEEx, Gate.io, Bittrex Global, Kraken, Huobi	Coinbase Pro, Binance, Poloniex, Kucoin, Bitfinex, OKEEx, Bitmax, Huobi Global,	Bitfinex, Kucoin, KyberSwap, Radar Relay, Bittrex Global, Coinbase Pro, Kraken,

	Global, OKEX, Bitfinex, Kyberswap, Uniswap	Global, Bitmax, Binance US, KyberSwap, HitBTC, Bitcoin.com	Gate.io, KyberSwap, IDEX, Uniswap, HitBTC, Oasis Trade, Kraken	Gate.io, IDEX, Uniswap, HitBTC, Oasis Trade
<b>Stability</b>	High	Medium	Medium	Medium
<b>Gas Optimizati on</b>	Yes	-	-	-
<b>Fees</b>	Yes	-	-	Yes
<b>Backing Coins</b>	8	3	1	1
<b>Integratio n</b>	Yes	-	-	Yes
<b>Reserve</b>	Yes	Yes	Yes	-
<b>Flexible</b>	Yes	Yes	Yes	No
<b>Multiple Blockchai n Support</b>	Yes	Yes	Yes	No

<b>Features</b>	<b>USDAO</b>	<b>USDT</b>	<b>USDC</b>	<b>DAI</b>
<b>Stability</b>	High	Medium	Medium	Medium
<b>Integration</b>	High	Medium	Medium	Medium
<b>Ownership</b>	Community Driven	Several Exchanges	CENTRE	MakerDAO
<b>Gas Optimizati on</b>	Yes	No	No	No
<b>Flexibility</b>	High	Low	Low	Low

<b>Multi Blockchain Support</b>	High	Medium	Medium	Low
<b>Decentralization</b>	High	Medium	Medium	High
<b>Fund Freezing</b>	No	Yes	Yes	No
<b>Scalability</b>	High	High	Medium	Medium
<b>Liquidity</b>	High	High	High	High
<b>Transparency</b>	High	Medium	Medium	High
<b>Security</b>	High	Medium	Medium	High
<b>Automation</b>	High	Low	Low	Medium
<b>Wallet Support</b>	High	Medium	Medium	Medium

## **Decentralized Governance**

Inspired by the Compound governance protocol, we developed a decentralized governance architecture that is aimed to serve as the sole decision-making body for future changes in the USDAO stablecoin system. This is important to make USDAO protocol a completely decentralized system with no single individual or institution having full control over it.

Depending upon the changes we face in the future it is important to have features that allow necessary changes to be made for the welfare of the stablecoin. However, when the world is moving towards complete decentralization we didn't want to be left behind. Hence, we decided to build this decentralized governance system.

We may decide to make the ASSET token the governance token. This is a subject of discussion currently.

### **Key concepts in governance protocol:**

#### **Governance Token:**

The governance token is an ERC20 token that is required to participate in governance protocol. Any individual or entity with governance tokens in their wallet can create, delegate or vote a proposal. The amount of governance tokens in the wallet determines the weight of the voting right of that individual. More the token the person has in his wallet, the more weightage he has in voting.

### **Delegation:**

Mere owning of governance tokens does not allow the token holder to create or vote on a proposal. The token holder must first delegate his voting rights to either his own address or to someone else's address.

### **Proposal:**

A proposal is an executable code that, if run, would make the proposed changes in the functioning of the USDAO stablecoin system. To create a proposal at least 1% of the governance token must be delegated to the proposer's address. A typical proposal consists of functions along with their parameters that get executed should the proposal succeed, Ether sent along with the proposal and a description regarding the purpose or motive behind the proposal. A proposal is subjected to a 3-day voting period after which it may or may not be accepted.

### **Voting:**

People whose addresses have been delegated to vote for a proposal may choose to vote for or against a proposal. The votes can be cast only if the proposal is in an inactive state. Votes can be cast immediately by the cast vote feature or later using the castVoteBySig feature. There are a total of 10 million governance tokens. If a minimum of 4% of the total votes have participated and the majority of the votes casted is in favor of the proposal the proposal is queued in the timelock. If not, the proposal is rejected. The voting period is 3 days.

### **Timelock:**

Once a proposal is accepted it is not immediately executed. Rather it is queued in the timelock where it sits for the next 2 days. After 2 days, the proposal is executed and the changes can be observed publicly. This is important because the period of 2 days can be used by the community to notify the general users of USDAO stablecoin about the incoming changes through various platforms. The proposals only get rescinded when they do not meet enough votes in its favour.

It is however important to learn that for a true decentralized governance the token distribution should be organized very carefully to more and more people especially in the initial phase. Any individual or entity owning a very large share of governance token could pose potential threat to the decentralized nature of the governance model. Hence for the initial phase the USDAO foundation shall keep a majority of the governance tokens and shall distribute it in a steady and organized manner. It is important to nurture the system in its initial phase. We assure that over a period of time the governance model will be truly decentralized and owned by a community of very learned and passionate people like you. The governance tokens shall also be



distributed to our members building successful use cases for USDAO like startups and others. The foundation assures everyone to follow the best practices to build and maintain the USDAO community.

## **Minting by other tokens**

The users also have a choice to mint the stablecoin using ERC20 tokens like Dai, AAVE, etc. To make this possible Uniswap is employed externally to the system.

Users can choose the ERC20 tokens, from the list of tokens provided by the system, to deposit as the input. Based on the current exchange rate on Uniswap the tokens are traded for Ether which ultimately is used to mint the stablecoin and is returned to the user's address.

This is particularly useful for businesses operating their business in multiple cryptocurrencies.

We provided an exchange layer itself on our platform facilitating users to mint USDAO stablecoin using other cryptocurrencies (ERC20). In the future we hold the right to add more better tokens and/or blockchains for this purpose.

## **Potential Use cases**

As mentioned earlier the prime motivation to create USDAO stablecoin was to create a stablecoin that could facilitate business processes. A stablecoin that could be easily integrable with minimum hassle and should enable multiple business use cases. We have identified various use cases for our stablecoin along with their own roadmaps.

### **Staking :**

Staking is the act of locking cryptocurrencies to receive rewards. It involves holding funds in a cryptocurrency wallet to support the security and operations of a

blockchain network. Simple, staking is the act of locking cryptocurrency to receive rewards.

Since every single USDAO token is a debt on the system we have to reduce the reward as the debt ratio rises to minimise the debt. This is the relationship between Debt ratio and Staking interest rate.

Reward Distribution on USDAO platform :

We provide a max interest rate for staking 12%.

Reward interest fluctuate as per our debt ratio like below :

1.  $0 \geq \text{Debt ratio} \leq 9.99$  : Interest rate = 10%
2.  $10 \geq \text{Debt ratio} \leq 19.99$  : Interest rate = 9%
3.  $20 \geq \text{Debt ratio} \leq 29.99$  : Interest rate = 8%
4.  $30 \geq \text{Debt ratio} \leq 39.99$  : Interest rate = 7%
5.  $40 \geq \text{Debt ratio} \leq 49.99$  : Interest rate = 6%
6.  $50 \geq \text{Debt ratio} \leq 59.99$  : Interest rate = 4%
7.  $60 \geq \text{Debt ratio} \leq 69.99$  : Interest rate = 2%
8.  $70 \geq \text{Debt ratio} \leq 79.99$  : Interest rate = 1%
9.  $80 \geq \text{Debt ratio}$  : Interest rate = 0%

For users withdrawing their staked reward when debt ratio  $\geq 80\%$  claim button will be disabled.

## Startups funding :

ICOs were a big deal back in 2017. It is a great concept but lacks security. However, since anybody could launch their own ICO with little technical knowledge, hundreds of untrusted and Ponzi schemes flooded the ICO market which soon became scams. With the vision to secure ICOs and uplift valuable startups with true potential, we intend to provide a trustless platform for both legitimate startups and global investors.

The platform shall harness the true potential of smart contracts and enable the funding of startups with USDAO stablecoins as input. To prevent the ICO mistake and safeguard investors money the investors shall invest into the startup smart contract rather than in startups directly. Investors deposit Ether into the startup smart contract in lieu of startup tokens. These startup tokens represent their funding amount to a pool of startups. The Ether received from various investors shall be used to mint USDAO stablecoin by the startup smart contract. The startup smart contract shall be governed by a decentralized community of incubators and mentors whose

prime role is to filter out the best performing startups and allocate stablecoin funds to them. This way when startups do good and their valuation increases the valuation of startup tokens increase which investors may further redeem along with the profit. It is safer to invest in this platform than in an unknown ICO since the investment goes to a pool of startups all of which are being mentored and incubated by reputed incubators.

## **Payment solutions :**

The dream of a truly global stablecoin cannot be achieved unless it replaces fiat currencies as the preferred payment asset. We intend to provide the merchants of the world with the enormous potential of blockchain technology in its most simplified form. We envisage providing a better and safer payment method alternative to the giant but centralized fiat institutions.

We are offering simple APIs and widgets that can be used to quickly start accepting payments in USDAO across the globe. Similar to popular centralized payment channel services like ApplePay, GooglePay, we would soon provide a web interface with rich transaction data and other important information regarding payment activities.

## **Game economics**

We see a huge potential in the economics involved in the gaming industry. The concept of tokens and payments have existed even before the advent of stablecoins. And as such there cannot be any better marriage of the blockchain and gaming industry as it not only makes the gaming experience safer but also trustless.

More importantly, the true potential of using USDAO stablecoin with games comes from the fact that more smart contracts can be developed on top of gaming logic integrating more complex yet rich gaming features using our stablecoin.

A USDAO integration into a game shall provide opportunity for a trustless token economics including in-app purchases and asset transfers. In games that require trust, such as betting, users can participate honestly and with assurance of a fair gameplay.

## **Invitation to build applications on top of USDAO stablecoin**

We are excited to inform the developer community that we would be regularly hosting several events like hackathons, seminars and online tutorials to spread and share our knowledge with everyone. We are looking forward to seeing independent developers

and programmers build applications on top of USDAO stablecoin and amaze us with their solutions.

In order to simplify the development process we are developing a separate section for developers. The section will include necessary documentation, APIs list, widget integration, code examples and everything relevant for further development.

We also host a platform to fund budding startups. Major part of the funding shall happen with the stablecoin itself. We invite innovators and crazy minds from all around the world to share their ideas or applications built on top of our stablecoin. We are ready to fund the next million dollar idea.

## **Conclusion**

We have seen very clearly that the USDAO stablecoin has been designed keeping the business experience in mind. Whether you are a businessman, or an investor, a merchant, an entrepreneur, or an institution USDAO has been designed to meet everyone's needs. We offer the best possible solution to keep the pegged price stable at 1 USD with the lowest transaction fees. We also offer staking features for long-term investors and supporters of this project rewarding them assured returns for their loyalty. For businesses seeking private payment solutions we respect their privacy and offer the same to them. Above all, the system is run by a global and decentralized community. Anyone can acquire governance tokens and participate in the decision-making body of the USDAO stablecoin project. We are proud of the work we have done and we intend the global community to run and govern it for the welfare of open source scientific development and advancement.

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