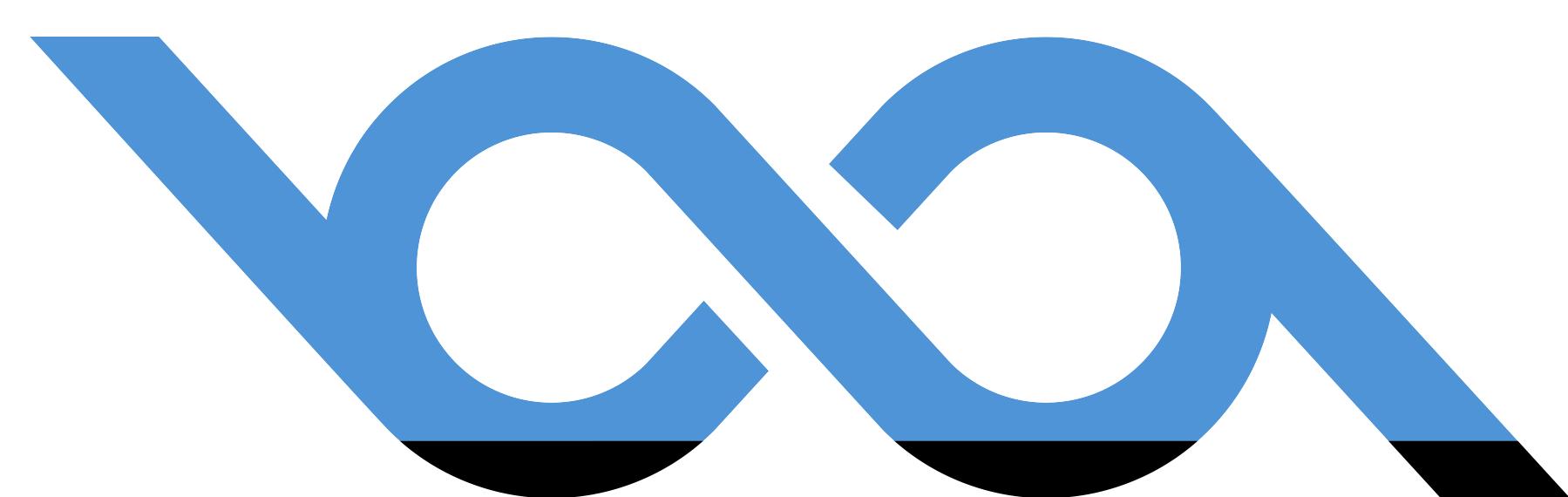




# White paper

## Financial Network Voola



More information on website: [voola.io](https://voola.io)





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## Отказ от ответственности

The purpose of this document is to present the VOOLA DMCC project (hereinafter referred to as the "Company"). The information set out below should not be considered exhaustive and does not imply any elements of contractual relations, and is provided solely for informational purposes. The sole purpose of this document is to provide brief information about the Company. This information may be updated or changed from time to time without notice. In case of such changes, an updated version of this document will be uploaded to the Company's website. Written permission is required to distribute any or all parts of this document. The cryptocurrency produced by the Company is called Voola coins, but to avoid confusion it is called "VOOLA". As of the date of publication of this project document, VOOLA tokens have no potential use outside the ecosystem of the Company's platform and cannot be sold in one way or another on third-party exchanges.

This project document does not constitute advice or recommendation on behalf of the Company, its officers, directors, managers, employees, agents, advisors or consultants, or other persons for any recipient of this document on the substance of participation in the initial placement of cryptocurrency ("ICO").

Nothing in this document should be considered as a project or a call to invest, as well as any part of the material should not be perceived as an offer to purchase any securities in any jurisdiction or a call for such an offer. This document has not been drawn up in accordance with any laws that are intended to protect investors and do not fall under them.

The VOOLA token is a utilitarian token. This product is not a digital (electronic) currency, security, commodity or any other financial instrument and is not registered in accordance with the Securities Act of 1933 (SecuritiesActof 1933). It is not subject to the U.S. securities laws or the security laws of any other country or other jurisdiction in which the potential token holder is a resident.

Токен VOOLA не может использоваться для каких-либо других целей, кроме тех, которые перечислены в «Белой книге», в частности для инвестиций, спекуляций и других финансовых целей. Токен VOOLA не предназначен для продажи или использования в юрисдикциях, где продажа или использование цифровых токенов может быть запрещена.

The VOOLA token does not grant any other rights in any form, in particular, the right to own, distribute (including, but not limited to profit) repayment, liquidation, ownership (including all forms of intellectual property) and other financial or legal rights, except specifically described in this White Paper. Some of the statements, estimates and financial information contained in this document are forward-looking estimates. Such statements and information are subject to known and unknown risks and uncertainties that could cause actual events or results to differ materially from estimates or results implied or stated in forward-looking statements. The White Paper may be modified to provide more detailed information.

The original and official source of information about the VOOLA token is this document written in English. The information contained in the document may from time to time be translated into other languages or used in written or oral communication to existing and potential customers, partners, etc.

During the translation and transmission process, some of the information contained in this document may be lost, distorted or misrepresented. The accuracy of such alternative messages cannot be guaranteed. In case of conflicts or inconsistencies between translations, messages and an official document in English, the provisions of the original document in English prevail.

ICO refers to any sales of VOOLA tokens by a Company. Participation in the ICO carries significant risk and may include special risks that may lead to the loss of all or a significant part of such investments. Do not participate in the ICO if you are not ready to lose the entire amount that you have allocated for the purchase of VOOLA tokens. VOOLA tokens should not be purchased for speculative or investment purposes with the expectation of profit or quick resale.

There are no guarantees regarding the future performance or value of VOOLA tokens, which also applies to its own value and ongoing payments, as well as the fact that VOOLA tokens will have any particular value. VOOLA tokens do not provide opportunities for exchanging cryptocurrency or traditional currency.

VOOLA tokens are not securities and are not sold as securities. VOOLA tokens are sold as a functional commodity, and the entire amount earned by the Company can be freely spent by it in the absence of any conditions set out in this project document.

VOOLA tokens are not members of the Company, nor do they have rights or interests in the Company. If potential participants do not understand and do not recognize the nature of the Company's activities and the potential risks inherent in VOOLA tokens, they should not participate in the ICO.

This project document is not a publication on the organization of a joint-stock company, an issue prospectus or an announcement of the issue of shares and does not constitute an offer to sell securities or a petition for investment in securities or any financial instrument in any jurisdiction and should not be processed. The content of this project document is not a financial advertisement, and it should in no way be considered as an invitation or an incentive to participate in the investment activities of the Company.

All future-oriented information presented here is speculative in nature and may change in response to numerous external factors, including technological innovations, regulatory factors and/or currency fluctuations, including, but not limited to, the market value of cryptocurrencies.





The Company cannot guarantee the accuracy of the statements or conclusions contained in this document. The Company does not make and expressly disclaims any representations and warranties (expressed or prescribed by the articles of association or otherwise) and is not liable for any direct or indirect losses or damages arising directly or indirectly, including but not limited to:

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- trust in any information contained in this document and any actions caused by it;
- the fact that this published information does not violate the rights of third parties.

The Company is not responsible for any damages resulting from the use, reference or reliance on the contents of this document, even if it mentioned the possibility of such damage. ICO participants should carefully study and evaluate all the risks associated with cryptocurrency, the very essence of ICO and related business activities. Before taking part in the ICO, you should carefully read all the information contained in this disclaimer, the draft document, the Terms and Conditions, as well as the Privacy Policy on the Company's website and make sure that you are aware of all potential risks.

This project document contains links to third-party data and industry publications. The Company believes that the industry data is accurate and that its estimates and assumptions are reasonable; however, there are no guarantees as to the accuracy or completeness of this data. Third-party sources usually state that the information contained in them was obtained from sources that are considered reliable; however, there are no guarantees as to the accuracy or completeness of the information included. Despite the fact that the data is considered reliable, the Company has not independently verified any third-party data mentioned in this document, or has not established the underlying assumptions referred to by such sources.

Please note that the Company is in the process of conducting a legal and regulatory analysis of the functionality of its VOOLA tokens. After completing this analysis, the Company may decide to change the intended functionality of its VOOLA tokens to ensure compliance with any legal or regulatory requirements that we fall under. If the Company decides to change the intended functionality of its VOOLA tokens, the Company will update the relevant content of this document and upload its latest version to its website. No regulatory authorities have reviewed or approved any of the information contained in this project document. The publication, distribution or disclosure of this document does not mean that the applicable legal norms of any jurisdiction, regulatory requirements or rules are observed. Any VOOLA tokens may be affected by regulatory actions, including potential restrictions on the ownership, use or storage of such tokens. Regulatory authorities or other circumstances may require that the principle of operation of VOOLA tokens be completely or partially changed. The Company may revise the operating principle to comply with regulatory requirements or other government or business obligations. However, the Company believes that they have taken all commercially reasonable steps to ensure that its planned operating principle is correct and complies with all applicable regulations.

#### CAUTION REGARDING FORWARD-LOOKING STATEMENTS

This document contains forward-looking statements or information (collectively, "forward-looking statements") that relate to the Company's current expectations and opinions about future events regarding the Company, as well as the areas and industries in which the Company operates. In some cases, these forward-looking statements may be identified by words or phrases such as "may", "will", "expect", "predict", "aim", "estimate", "intend", "plan", "seek", "consider", "potential", "projects", "may", "will", "continue", "in all likelihood" or the opposite meanings of these terms or other similar expressions intended for forward-looking statements. As a basis for its forward-looking statements, the Company takes its current expectations and forecasts regarding future events and financial trends that, in its opinion, may affect its financial condition, results of operations, business strategy, financial needs or ICO results, or the value or price stability of VOOLA tokens. In addition to statements related to the issues outlined here, this project document contains forward-looking statements related to the proposed operating model of the Company. The model corresponds only to its objectives and is not a forecast, assessment or calculation of future results of operations. Forward-looking statements are based on certain assumptions and analyses made by the Company based on its experience and perception of historical trends, current conditions and expected future events and other factors that, in its opinion, are appropriate and subject to risks and uncertainties. Although the forward-looking statements contained in this project document are based on what the Company considers reasonable assumptions, all forward-looking statements address issues that involve risks, uncertainties, assumptions and other factors, which may lead the Company to actual results, indicators, achievements and experience that differ significantly from its expectations expressed, implied, indicated or perceived in its forward-looking statements. Given such risks, potential ICO participants should not unreasonably rely on these forward-looking statements.

This includes risks and uncertainties, but they are not limited to what is specified in the terms and conditions of the ICO.

The Company undertakes no obligation to update any forward-looking statement reflecting events or circumstances as of the date of this project document.

The Company's activities are regulated by various laws and regulations in the countries where it operates or intends to do so. There is a risk that certain actions of the Company may be considered a violation of any such law or regulations. Penalties for any such potential violation may be unknown. In addition, changes in applicable laws or regulations or changing interpretations of existing legislation may, in certain circumstances, lead to increased compliance costs or capital expenditures that may affect the profitability of the Company or hinder the Company's ability to continue working with its business model and the VOOLA token model proposed in this project document.



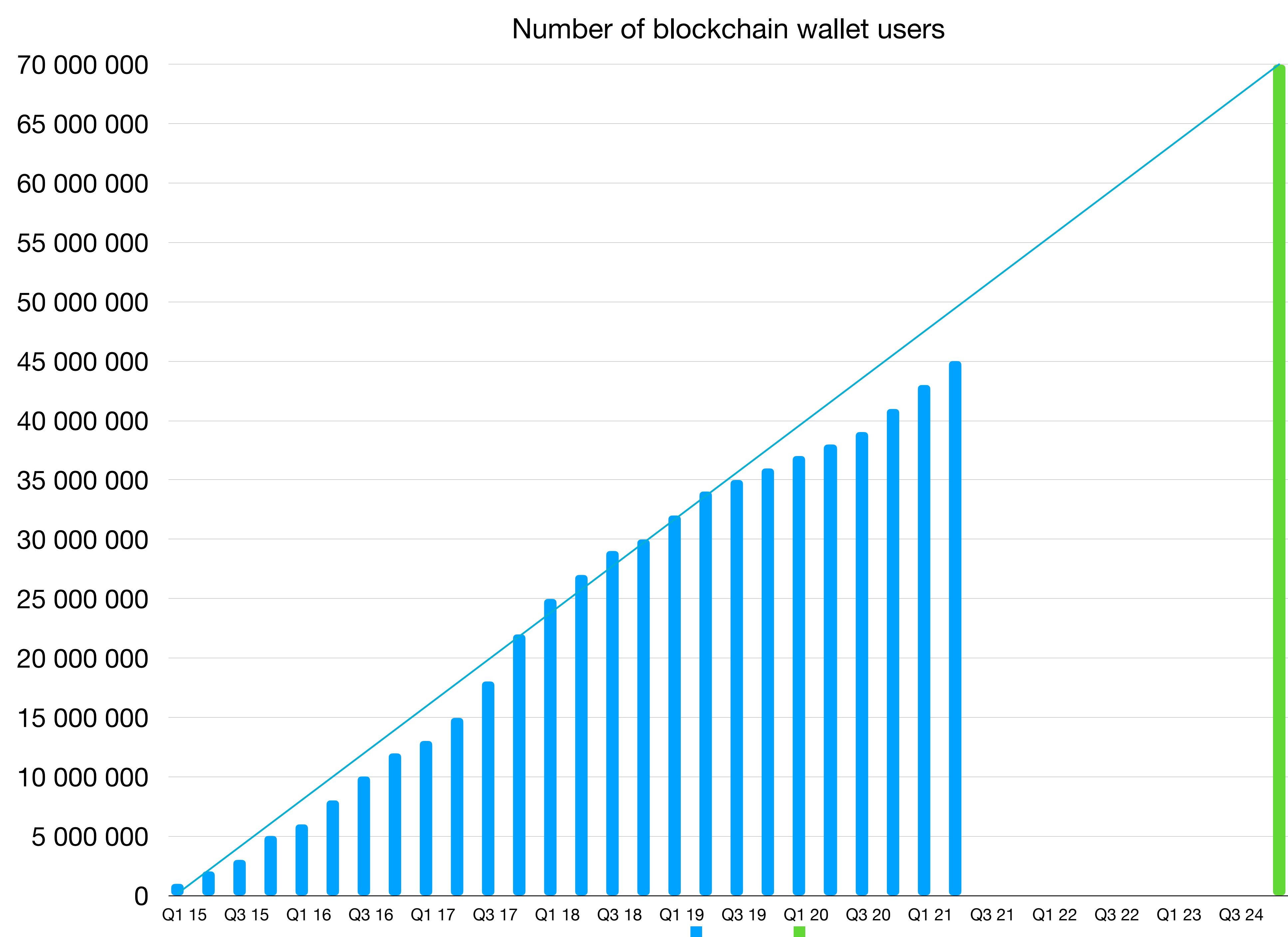
## Review

Blockchain technology is undoubtedly an ingenious invention that is set to disrupt conservative transactional processes in many industries.

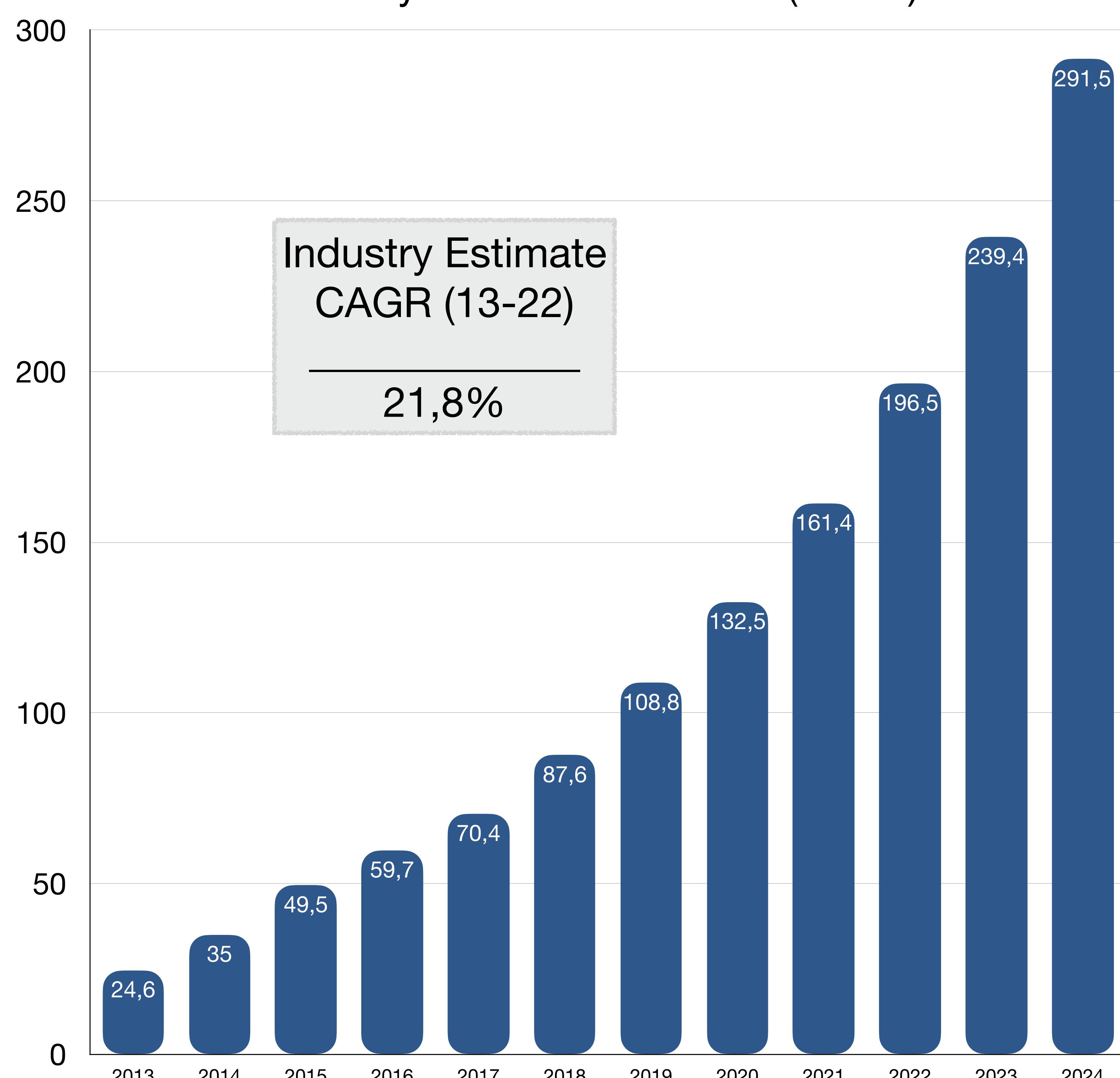
Over the past ten years, this technology has evolved into something more. Previously known as a haven for laundered money and criminals, cryptocurrency has evolved to be accepted by countries as a genuine store of value.

The technology underlying cryptocurrency has had a strong impact in both banking and other sectors.

Today, 45 million people use cryptocurrencies to pay for products and services on a daily basis. This number is expected to reach 70 million users by the end of 2024.



M-Paymenst Transactions (Billion)



According to the global forecast, the cryptocurrency market plans to reach the 3 billion mark by 2024. The main factors of this growth will be large remittances in developing countries, transparency of distributed registers, high cost of cross-border transactions, constant changes in monetary policies, as well as the growth of venture investments. Factors that limit the growth of the industry include a lack of public awareness and an uncertain regulatory framework.

Similarly, over the past decade there has been a significant increase in demand for digital payments, reaching \$433 billion; this was partly due to the growth of the market in the Asian region and the introduction of mobile contactless payment solutions such as ApplePay, GooglePay, Alipay and a number of other innovative solutions.

The number of mobile non-cash payments is increasing by 21.8% per year. According to the annual statistical reports of the consulting company Capgemini, the volume of mobile payments in 2024 amounted to \$ 108.8 billion, and by 2024 it is expected to increase to \$ 291.5 billion.

The Voola ecosystem works by combining customer service approaches with its own processing, linking every part of financial communication using fiat and cryptocurrencies in one product.



## Development of the cryptocurrency market

As more countries legalize cryptocurrencies, more users will join the space; all we have today is just the tip of the iceberg, the best days are still ahead. We believe that in the near future, the financial blockchain industry will expand from its sandbox, and will spread widely among enterprises, e-commerce and traditional banking. The successful expansion of the blockchain is closely related to the development of available computing power.

The Voola ecosystem will create fundamental solutions that will allow businesses and users of contactless payments to use the capabilities of the blockchain to improve the provision of services. This step will be significant for the penetration of blockchain financial solutions into the existing financial market.

Businesses will be able to apply for decentralized credit cards, borrow and pay with an interest rate based on business reputation, risk and liquidity. Commercial organizations will be able to send, receive and enter cryptocurrencies into their accounts. This service will significantly expand their consumer base to an international level. A decentralized approach combined with the ability to make anonymous transactions allows businesses to avoid sanctions, tariffs and quotas in addition to interest-free, fast and unstoppable money transfers.

As part of our investment banking services, Voola will introduce investment funds that are subject to the DAO rules. The system will independently decide how, when and in which currency to invest funds. Such funds will be invested in the most innovative and most promising solutions, and will also ensure the flow of investments into traditional business models. Blockchain is the basis on which the DAO will operate, and the decision-making process will be resistant to fraud.

Our non-corporate users can benefit significantly from frictionless payments, as well as the rapid exchange of cryptocurrencies in crypto-crypto, fiat-crypto and crypto-fiat pairs. Any user can transfer a limited amount of money without disclosing his personal data. The Voola virtual card will be available for issuance to any client. The virtual card can be linked to the NFC chip of their mobile phone, and used for payment anywhere in the world.

All users can participate in the reputation rating system; a high rating will be useful for the client, as it allows him to receive lower interest rates on the loan. This innovation will change the way financial services are provided around the world. Voola will make financial services more useful and attractive for people who benefit society.



# User and Market vision

## Market Vision

### Problems of the modern banking system

**Overregulation** - Most banks are required to follow the strict guidelines of the regulator, which may not be the most effective and often have a negative impact on the bank's client. They must obey and play by the rules established by these bodies. In many cases, banks are unable to make any decisions before informing these regulatory authorities, which severely limits the effectiveness of most banks.

**Bank limits and complex procedures** - Banks have restrictions on money transfers; if customers exceed the established limits, they risk freezing their accounts. International transfers are processed for up to several days and come with additional costs due to the complex nature of international bank transfers.

**Confidentiality** - The history of the movement of personal funds and geolocation of transactions will be provided to supervisory organizations upon request. On the other hand, successful hacker attacks can lead to the loss of confidential information, and such information can be used in criminal activities.

**User Account Control** - Banks have full control over user accounts. They monitor, stop transactions, freeze accounts and often use data for their own purposes. Banks must comply with the rules established by the Central Bank (for example, to share information about customers among themselves).

**Unavailability of services** - Banking services are not available in all regions. There are some limitations and unavailability of services for non-internal clients.

**Dependence on the Central Bank** - The central bank controls interest rates and links domestic credit and debit interest with fixed interest.

### Problems of using cryptocurrencies

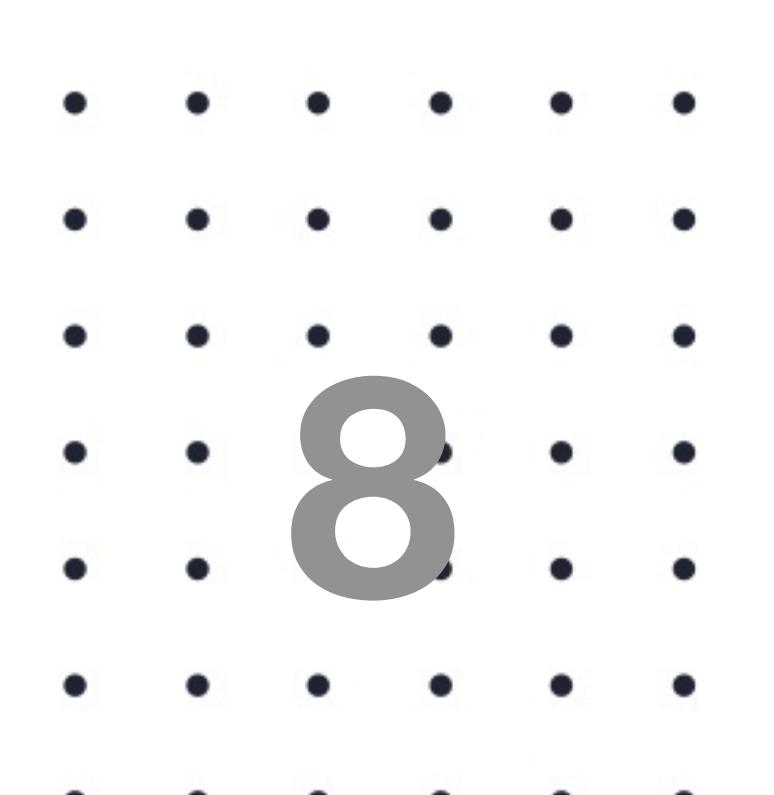
There are a number of obstacles that limit the widespread adoption of cryptocurrencies on a daily basis, including:

**Legal restrictions** - Even with the legalization of cryptocurrency payments in countries such as Germany or Switzerland, it is almost impossible to work with cryptocurrencies, since it is troublesome to issue invoices or pay taxes quantified in cryptocurrency.

**Lack of an established operating base** - Despite the fact that it is legally possible to sell and buy goods in crypto-friendly jurisdictions, cryptocurrencies have not been fully implemented commercially. The integration of cryptocurrency payments in stores and e-commerce websites has proved to be an obstacle for many businesses. The market needs an easy-to-integrate solution - one that Voola strives for.

**Volatility and Speculation** - Price volatility caused by the lack of inherent value is a serious problem faced by cryptocurrencies. Volatility limits the correct use of cryptocurrencies as a payment method.

**Complexity of use** - Blockchain technology has not yet become widespread. This requires extensive computer knowledge and a lot of time for the average consumer to use the possibilities of cryptocurrencies.





## Business strategy concept

The development of the project will begin with the registration of one company in Lithuania. Obtaining Lithuanian licenses will open the doors for working with cryptocurrencies throughout the EU region. One company will be responsible for all operations related to cryptocurrencies, and the second company will have a banking license. A company holding a banking license will be opened in the UK (it takes 6-8 months to obtain a banking license). As soon as we receive all the necessary licenses, we will begin the process of issuing cards.

The current concept of the "roadmap" for the development of the project is designed to meet the needs of customers. The product will significantly reduce the transaction time, make the payment process less demanding and offer more efficient business solutions. Voola will offer two types of customer accounts (for consumers and for businesses) running on two different blockchain solutions - personal for anonymous transactions and open for regular transactions.

The business strategy concept is divided into two main stages:

- Developing a minimum viable product on a test blockchain will help in testing the product hypothesis, that is, cryptocurrency payments can be as easy and generally accepted as fiat currency.
- Development of proprietary blockchain-based solutions that will be used as the main source of technological solutions and engineering source for the central Voola ecosystem

Last but not least, the Voola project promotes the corporate philosophy that payments using cryptocurrencies can and should be as convenient, fast and secure as current payment systems. You should be able to buy a cup of coffee with your cryptocurrency in 3-5 seconds using a credit/debit card based on Voola Bank.

### Development plan:

After opening all the necessary offices in Europe and ensuring stable business activity, we will expand the Voola project to China, South Korea, Japan and Singapore. We also have plans to expand our network by offering our services in the USA, Canada, Brazil and Venezuela. Finally, we expect to expand Voola services in Africa and Russia.

Voola project development is divided into the following categories:

- Ecosystem approach
- Data security
- Fast exchange and liquidity
- Blockchain and Tokenization Issues
- Gapps
- Business solutions

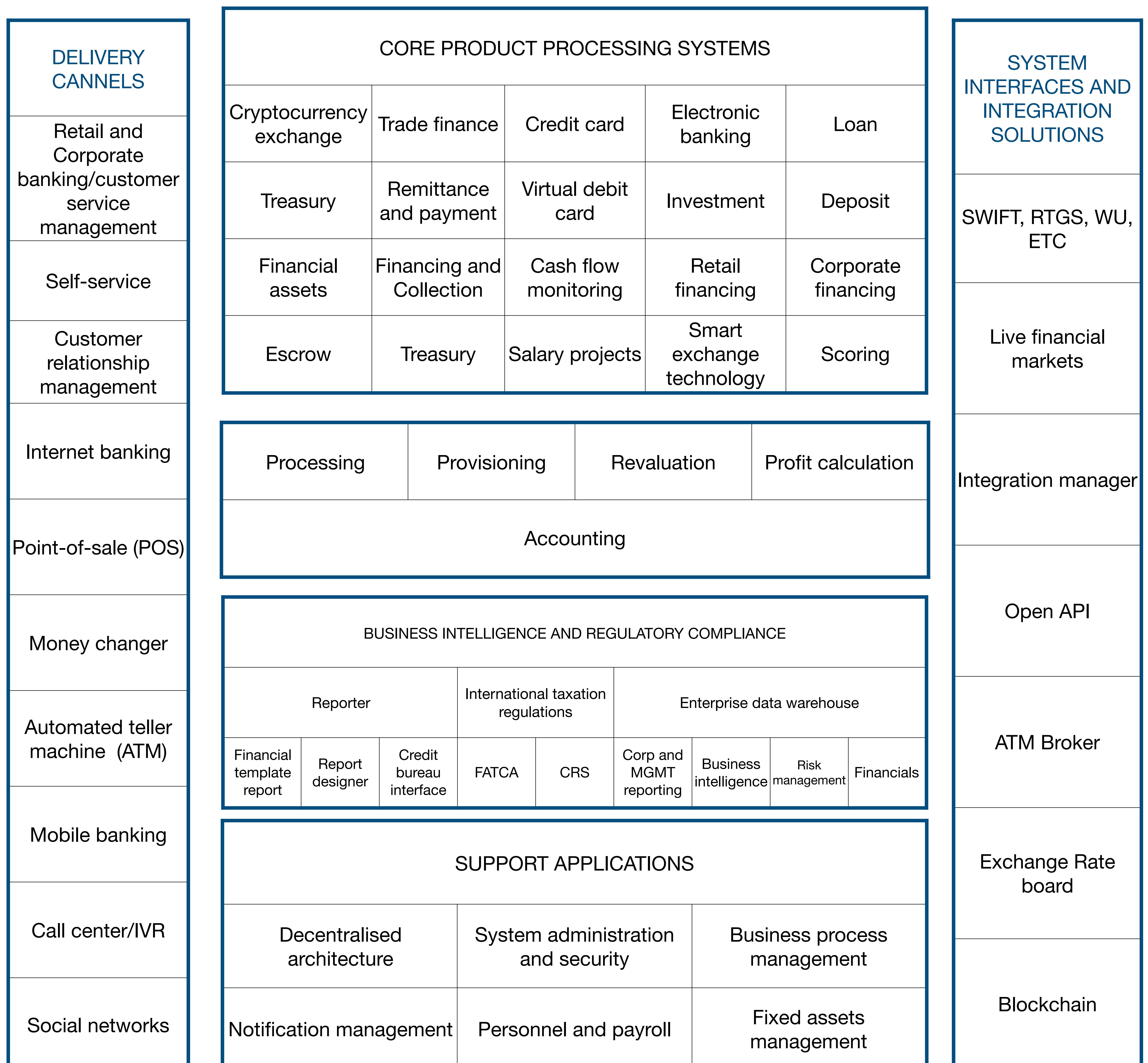
Once the project and development of the central ecosystem described below are ready, stability in the business sphere will be supported by the introduction of a stable coin (StableNFT). This approach will ensure the financial security of the entire existing payment system, which will lead to a rapid growth of the cryptocurrency market.

The Voola project is open to any partnership offers and acquisitions. Any project, technology, ready-made boxed solution can be accepted if there is a demand for it.



## Development concept

Our main priority is to improve the Automated Banking System that will fully manage client financial fiat and cryptocurrency accounts, as well as KYC, AML, Savings&Credit. The Volan platform will serve as the basis for automating all processes at all levels - from creating wallets to assigning ratings to the blockchain. Moreover, we will develop a cryptocurrency exchange, an ecosystem for stable coins and a network of user payments based on Ethereum. The cryptocurrency exchange will provide an exchange in crypto-crypto and fiat-crypto pairs. After that, we will focus on creating an ecosystem for the "black tariff". Then we will sign agreements with Visa, MasterCard, UnionPay before issuing client cards.





## Voola Financial Network Solution

The core of the ecosystem is designed to provide communication channels for financial assets, exchange solutions, maps, accounting and business/customer service. The upper level is designed for business intelligence-based processing and regulatory compliance. Support applications are designed for a lower level ecosystem that provides engineering solutions. Delivery channels, system interface and other applications are designed for different types of buyers, holders, customers and investors, called depositors or users of the Voola ecosystem.

### Product positioning

The main goal of the product is to create a stable and flexible ecosystem that will increase scalability for all financial services. The current minimum viable Voola product is designed to accelerate the exchange in the direction of fiat-crypto, while providing secure payment for products or services. The ecosystem has a decentralized application with a friendly interface. This solution will provide convenience for both customers and businesses, and at the same time create stability in an industry that was previously characterized by high levels of volatility.

The Viola financial ecosystem is a complex combination of financial and blockchain solutions combined into one decentralized, convenient business platform. Although one part cannot be separated from the other, for ease of understanding we have divided it like this:

- Banking and financial services
- Voola-Smart
- Investment Bank
- Stock market
- Mobile application
- VOOLA – System Token

Voola positions itself as an ecosystem of payment and banking services. At the moment, there was no automated and reliable two-way communication with non-cryptocurrency companies in the blockchain industry. Voola will be an important milestone in the integration of cryptocurrency payment systems, decentralized governance and exchange mechanisms with non-cryptocurrency sectors. As for consumers and businesses, Voola should become a simple and convenient way to store and transfer any currency to any account.



## Banking and financial services

### Personal banking

The Viola financial network will have a virtual private bank that will allow its users to make transactions with their cryptocurrency, exchange funds, make deposits and apply for a loan in cryptocurrency. Voola Bank will combine the modern approach of international banks and payment solutions provided by the AmericanExpress system for impeccable customer service. However, Voola will work on the basis of our own blockchain network to clean up data and store account data.

### Account Types

Voola Bank provides two types of accounts for individuals and legal entities: "White" and "Black".

"Black" accounts are created to provide anonymity to the user so that they do not disclose their personal data. The anonymous bank card function limits the daily transaction amount in accordance with EU law.

"White" accounts are standard accounts that require users to complete the KYC procedure and fill in their personal information. This type of account has additional benefits, such as lower fees and unlimited transactions.

Note: If you choose a personal account or for business, you will be able to use the white and black account settings.

## Tariffs and commissions

N	Title	Unit of measure	PERSONAL		BUSINESS		ISLAMIC	
			White	Black	White	Black	PERSONAL	BUSINESS
1	FIX fee for tariff	\$	5	20	20	100	0	25
2	Interbank transfer	%	1.0%	3.0%	1.0%	3.0%	0.5%	1.0%
	Average purchase amount	\$	100	200	100	500	100	1 000
3	Currency conversion	%	0.5%	1.0%	0.5%	1.0%	0.5%	1.0%
	User average turnover for 1 month	\$/month.	100	200	500	1 000	500	1 500
4	Currency withdrawal from ATM	%	1.0%		0.0%		0.5%	
	Average purchase amount for transaction	\$/month	1 000		2 000		1 000	
	Transactions per 1 User	units/month.	1	1	1	1	1	1
5	Payments acceptance (hybrid acquiring)	%			0.5%	0.7%		0.5%
	Amount of funds received per month per 1 business/unit	\$/month			100	500		100
6	Gas price for Blockchain transaction	\$	0.00000021	0	0.00000021	0	0.00000021	0.00000021
	Transactions per 1 User	units/month.	1	1	1	1	1	1
7	Cost of physical card issuing	\$	50		50		50	
	New User - Physical card conversion	%	30 %				5 %	



## Loan and deposit

Each user of the "White" Voola account has the right to apply for a loan in cryptocurrency. The interest rate will be determined by the user's rating, liquidity and risk. Users with a high rating will receive a significant reduction in the bid.

Customers can make a deposit for 1, 3, 6 or 12 months. The minimum deposit is \$500 and the maximum amount is \$10,000 per day; there are no deposit limits for cryptocurrencies. The Viola system user can deposit and withdraw funds at any time for free.

Users can choose between 4 deposit schemes:

- 1 month - 1% monthly interest rate
- 3 months - 2% monthly interest rate
- 6 months - 3% monthly interest rate
- 12 months - 5% monthly interest rate

## Company account

Voola allows businesses to successfully open cryptocurrency accounts. With these accounts, they can deposit funds, receive payments, do billing and provide records for tax purposes. Currently, payroll accounting and user accounting reports are on the way.

Voola company accounts allow users to enjoy the use of StableNFT, which can be configured for any project conditions (for example, the cost of the token, the price of the token, the number of tokens, the rules of issue/freezing/burning, etc.).

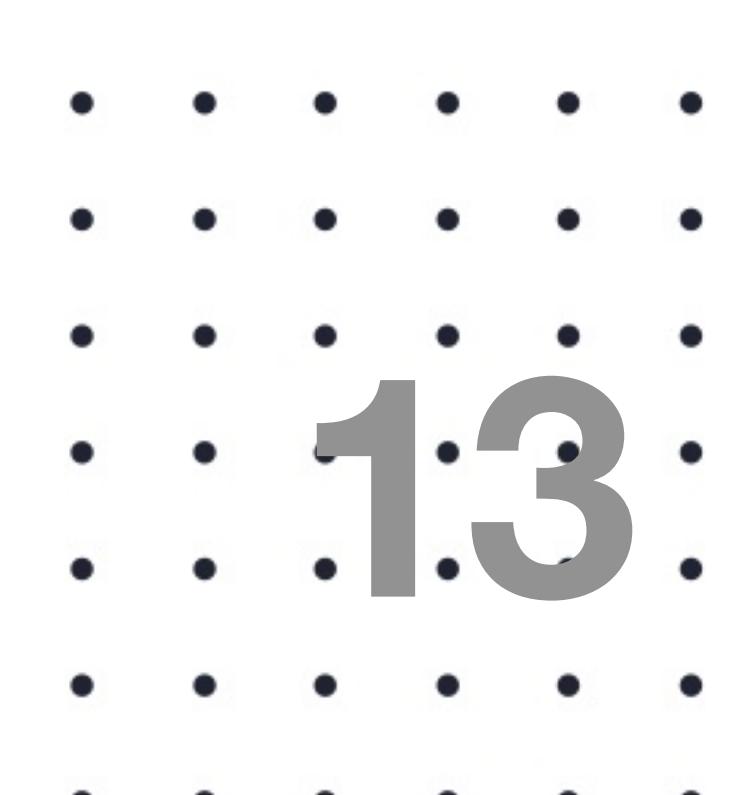
## Virtual card Voola

As soon as the user registers an account with Voola Bank, he is issued a virtual Voola card. The same information will be reflected in the Voola Bank mobile application as a decentralized multi-signature wallet. The virtual card can be linked to the NFC chip of a mobile device, which allows it to work with the current infrastructure of VISA, Mastercard or UnionPay. Using the Voola Bank app, customers can instantly pay for any goods or services using their favorite cryptocurrencies or VOOLA tokens. Voola users automatically become part of the MasterCard, Visa or UnionPay loyalty program, depending on the type of card.

Voola uses NFCHCE (Host Card Emulation) protocols to transfer payment card data to a POS terminal, which treats them as data from a standard plastic card. Almost any payment service with NFC, for example, Apple Pay, Samsung Pay and Google Pay, can now be used to make payments using cryptocurrencies.

In this case, the merchant or online store receives the payment in the currency specified in the payment order. So, modern ATMs have the possibility of contactless payment, and, therefore, the user will be able to withdraw cash from his virtual Voola bank card.

Initially, the plastic card will be the user's standard bank card, and Voola will convert cryptocurrency assets into fiat currency, and send it to the user's bank account. As soon as Voola registers its own banking division within the framework of Estonian legislation, Voola will issue its own plastic cards with the possibility of exchange.





## Sending and receiving payments

The Voola financial ecosystem supports:

- Transfers in the direction of Fiat-Crypto
- Transfers in the direction of Crypto-Fiat
- Transfers in the direction of Crypto-Crypto
- Transfers in the direction of Fiat-Fiat

In the Voola financial ecosystem, funds can be transferred to any account worldwide at an extremely low commission - an average of 0.5%, depending on the type of account.

Business accounts will also be able to send and receive payments for goods and services in the same interface.

The most traded fiat currencies are:

- US Dollar (USD)
- Euro (EUR)
- Japanese Yen (JPY)
- Pounds Sterling (GBP)
- Australian Dollar (AUD)
- Canadian Dollar (CAD)
- Swiss Franc (CHF)
- Chinese Yuan (CNY)
- Swedish Krona (SEK)
- New Zealand Dollar (NZD)
- Turkish Lira (TRY)
- + Others, depending on consumer demand

## Acquiring and processing

Up to 80% of modern markets have appeared on the Internet, providing various services to their customers around the world. The most common processing and acquiring system is Paypal; China works with Alipay. These systems are not scalable enough, and attempts to change the direction of development, add QR codes or attempts to enter the autonomous market can become a serious task. Viola acquiring system is one of the main components of the business account processing process, providing API solutions for any interested business.

Users will receive discounts of up to 40% of the standard commission for using Voola acquiring (more accurate data will be published)





## Customer service, KYC, KYC, Arbitration

Voola is required to verify and identify its customers in order to comply with anti-Money Laundering (AML) laws and regulations. This process is called KYC - Know Your Customer.

Here is the stated registration process with Voola:

- Whenever a new client enters the ecosystem, a Trusted party checks the documents.
- After checking for authenticity, it uploads this data to the blockchain.
- Whenever data needs to be updated, the register will include encrypted updates.
- Other entities can access these updates in real time as needed.
- Digital identity is similar to a digital passport and can be used for authorization.

Users can transfer up to \$200 without passing KYC with a virtual Voola card.

The arbitration system is useful for providing manual control over questionable transactions with the possibility of canceling or freezing assets and transactions. This system was created with the main intention to preserve the legitimacy of the project while maintaining control over financial management.

## Voola-Smart

At the first stage, the blockchain functionality uses foil network.

The Voola financial system is built on two types of blockchain: VoolaOpenBlockchain and VoolaSecureBlockchain.

VoolaOpenBlockchain (Open Blockchain) hosts white accounts that offer a transparent and secure transaction history of users (for personal and business accounts). Here, blockchain solutions will provide secure transactions and exchange solutions for processing at the top level. This leaves the account data for operations in the Voola ecosystem (similar to the American Express system) for clearing, analysis, system analysis, AI-based robot for arbitration, reputation matrix, etc.

VoolaSecureBlockchain (Secure Blockchain) is a lightweight version of VoolaOpenBlockchain, it has only the basic functions of the "black" types of personal and business accounts.

## Blockchain (fork of Ethereum)

Estimated network speed: 15-25 TPS

## Private Blockchain

Fork of Ethereum POA

Estimated network speed: 100-200 TPS

## Blockchain Network

The goal of our blockchain network is to develop an alternative protocol for creating decentralized applications. It is a set of solutions that, in our opinion, will be very useful for a wide class of decentralized applications; with a special focus on situations where fast development time, security for small and rarely used applications and the ability of various applications to interact effectively are important. The Voola network does this by creating, in effect, a finite abstract baseline; a blockchain with a built-in Turing-complete programming language that allows anyone to write smart contracts and decentralized applications where they can create their own arbitrary ownership rules, transaction formats and transition functions.



## Secure Blockchain Network

Secure blockchain has all the advantages of an open blockchain network in order to provide secure in-network services for businesses. Based on the secure blockchain, we will launch smart contracts for StableNFT tokens, KYC data storage and a wide range of business Dapps.

### Smart contracts

All smart contracts will be pre-coded, verified and available for use by Voola users. As the crypto world evolves and more sophisticated solutions are created, Voola will develop and publish more smart contracts as soon as they are tested for security.

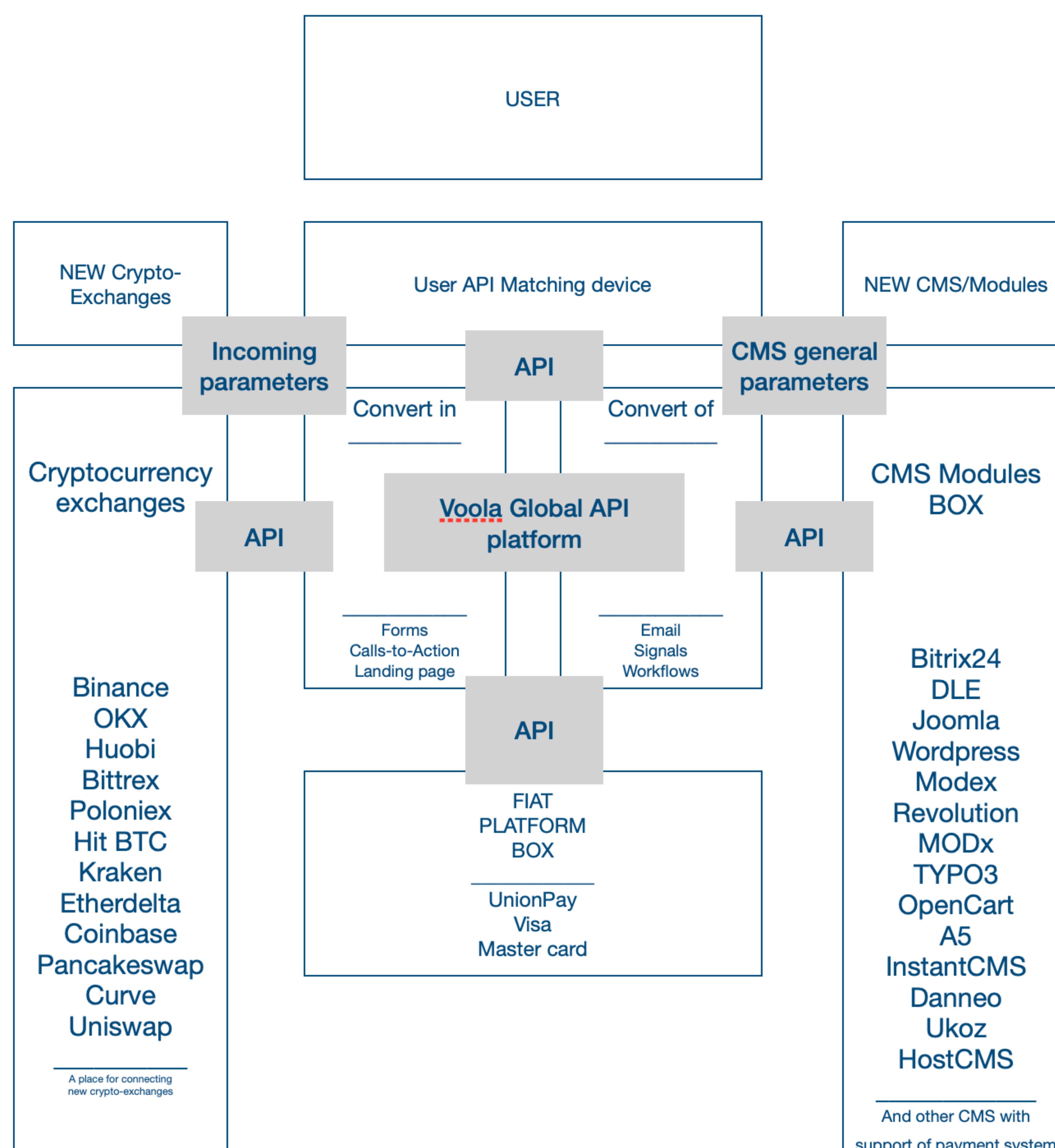
Initially, users will be able to select such functions:

- Issue of additional tokens
- Burning of toxins
- Mass distribution of tokens
- DAIF
- Accounts with multi-signature
- Issuance and distribution of stable NFT tokens

All client smart contracts will be provided free of charge as an additional feature to Stable NFT.

Smart contracts will also be used on a secure blockchain.

Customers can work directly with Voola Bank and save more than 8.7% on fees and transaction fees.





## Secure Blockchain Network

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## Custom Applications

Voola provides an open platform that allows developers to create their own products using the Voola programming interface. Voola products available for integration into user applications:

- Cryptocurrency Wallet
- DEX Gateway
- Offline Payment Solutions
- Loyalty programs
- Information and search engines
- Billing systems
- Automatic Transaction Notification Systems

Please note that the visual description of the solutions described in this section is not guaranteed, and depends on market conditions, the ability of the team to achieve the best technical characteristics and other factors known and unknown to the team at the time of preparation of the document.

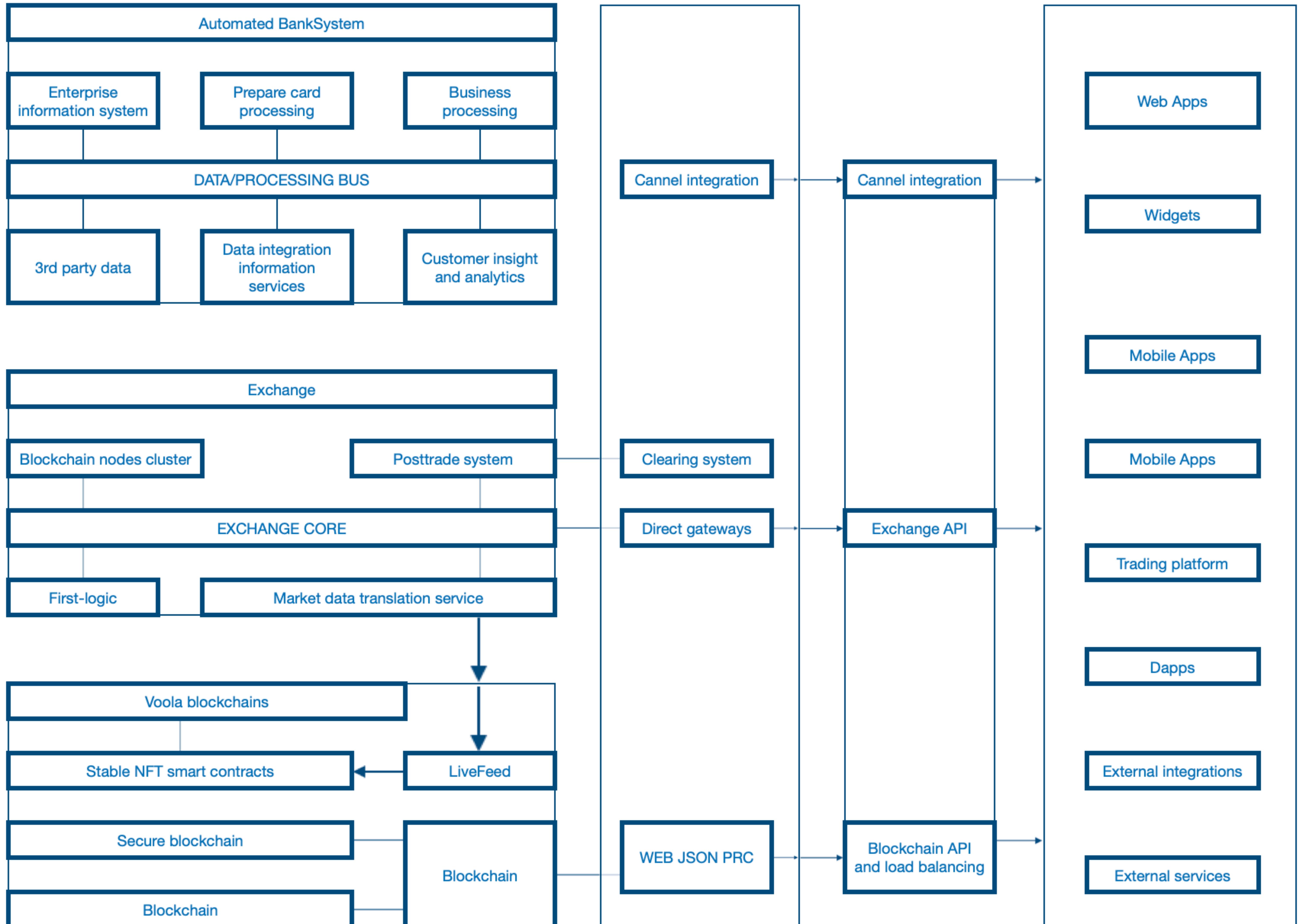
The functionality shown is planned developments; they are presented only for familiarization - to show a development plan and a team vision of a fully developed ecosystem. When purchasing VOOLA tokens, you should not rely on the general forecast for these solutions, since they are planned as additional, not basic, functions of VOOLA tokens.

## Dapps

Decentralized applications (Dapps) are applications that run on a P2P network instead of a single computer. Customers will be able to store cryptographic data of applications and transactions on both blockchains. A smart contract allows them to connect to the blockchain.

What distinguishes them from traditional applications is that instead of connecting the API to the database, you have a smart contract connecting to the blockchain. The contracts are based on Solidity (a statically typed programming language) that runs on LVM (a Lightweight Virtual Machine). Dapps can be used to create a variety of services: wallets, identity cards, finance, social, etc. Running under an open source license, allows Dapps to be open to innovation without any copyright or patent restrictions.





Voola blockchain will develop mechanisms to ensure the interaction of user decentralized applications (Dapps) and external services with the Voola financial network via the API, as well as the creation of gateways for the exchange of information between:

- Private and open blockchains
- External services and VoolaDapps
- DEX and external services



## Passport ID

PassportID is an encrypted private key that contains user information recorded during KYC, which can be used as an account identification tool in case of loss of the device or creation of cross-platform reports with synchronized account data. It is available to users who want to use the privileges of a "White" account.

## Reputation system

Each Voola user will have a reputation score linked to their account; it will be visible to every user of the system and updated in real time.

The Voola Financial Network rewards users who manage socially significant projects on the Voola blockchain. By actively participating in such projects, users increase their rating in the system. Users with a higher rating enjoy a higher level of trust and, in turn, receive lower interest rates on personal loans. Its architectural design ensures that rating "points" are correctly awarded and distributed to minimize fraud during the awarding process and, at the same time, motivate users.

The rating system is built in such a way that at certain moments after the accumulation of points, they begin to disintegrate in order to motivate customers. The algorithm that distributes reputation points received by users as a reward disintegrates as the participant's activity level decreases. Reputation does not accumulate in the hands of a small number of clients and, thus, does not create monopolists capable of radically changing the outcome of the vote. It depends on the users, so the more users participate in socially significant projects, the more reputation points they receive, therefore, they reduce commissions and interest rates.

## Decline in reputation

This is a progressive fee (the more reputation you have, the more you lose it) for not participating in projects. Reputation Decline is designed in such a way that it applies a deduction for each participant in proportion to his reputation and experience. Faster decline is observed in more significant members, while new members may not experience high levels of decline.



## Investment Bank

The main role of Voola Investment Bank is to create opportunities for profitable asset storage. Whenever any client transfers their assets to their Voola account, they are provided with a special investment offer. This offer is governed by an internal policy based on the client's reputation, volume and timing of investments.

## Decentralized Autonomous Investment Funds (DAIF)

Volvo will create a framework on which users can have investment funds that fall under the DAO rules; this investment fund will be able to independently decide how, when and in which currency to invest. These funds will be able to invest in the most innovative and most promising solutions, as well as provide investment flow into traditional business. The decision will depend on the type of fund:

- Individual voting
- Voting of delegates
- Management company

Users can choose any of the above types of funds, and considering the blockchain as the basis on which the DAO will operate, the decision-making process will be resistant to fraud.

## Issue of user tokens

Before a business client accepts an investment, the processing system must create a special smart contract for the issue of business project tokens. This special smart contract is a list of rules and principles of investments based on the amount of investments, rules, interest rates, investment costs, the number of tokens and the commodity/service base of the token.

Business account holders will be provided with a feature that issues their tokens. Such tokens can be used at auctions and for other purposes created by the creator of the token, such as providing discounts or promotions. An individual approach to each client will allow clients to create a custom token that will satisfy their needs. We will offer individual support for each client during the issue process. The properties of custom tokens will be flexibly set with various additional features. For example, after setting the total number of tokens, we can increase it by additional emission (minting) and reduce it when burning the token. After the tokens are issued, the multiple transfer function can be enabled for the mass distribution of tokens. Creation of smart contracts with personal support is free for all our partners.

Later, the Voola processing system can apply the interest rate on personal accounts to create smart contracts for issuing tokens as an individual entrepreneur or flexible conditions for talent management, custodial services, trading accounts for hedge funds, crowdfounding, etc.



## Stable NFT tokens

We have become pioneers in the field of stable NFT tokens.

A disruptor of the traditional financial system and a pioneer in the digital use of traditional currencies, stable NFT tokens support and empower growing enterprises and innovations throughout the blockchain space. Stable NAT tokens exist in the form of an ERC-721 digital token built on several blockchains.

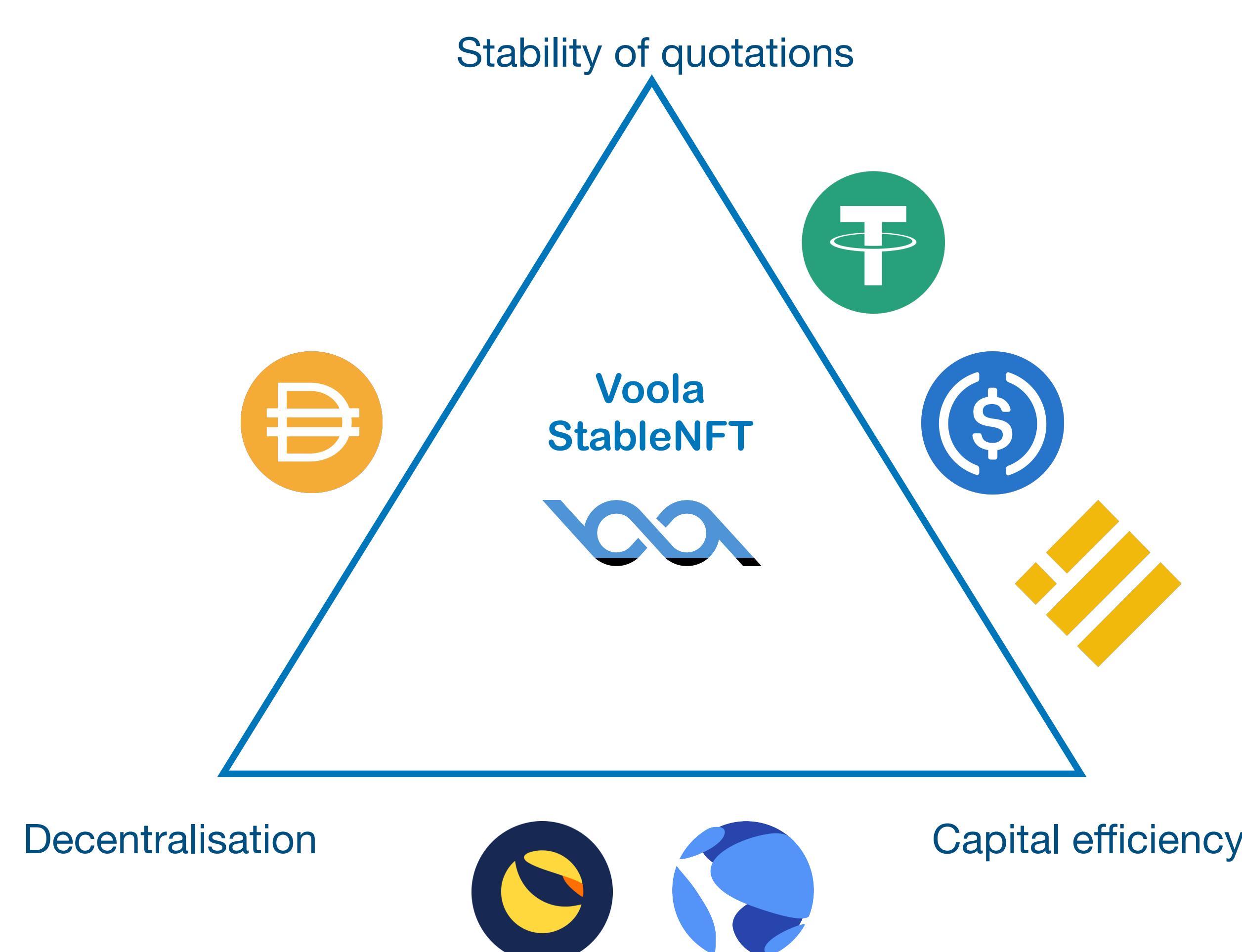
To solve the problem of high volatility, Voola Bank will allow business accounts to issue StableNFT tokens based on assets owned by the business. This measure will counter the rapid price fluctuations associated with cryptocurrencies and stimulate the utilitarian power of cryptocurrency assets as a means of making transactions for businesses and consumers.

The general rule for a stable coin issue is that each created coin must have a real asset supporting its value, or a fixed maintenance cost based on market demand or interest. The most popular example is the dollar Tether (USDT), a stable coin pegged to the US dollar.

StableNFT Voola tokens will hold the assets of enterprises as a reserve that will support the value of the coin. For example, reserves of cash, property, products, Intellectual property. Viola will provide collateral for business if the project is interesting and useful for society. As an example: a green energy startup will allow the release of stable NFTs backed by Voola assets and available to every Network user.

## The trilemma of stablecoins

Voola elegantly solves the trilemma of stablecoins by algorithmically issuing StableNFT backed by business assets.



## How do StableNFT work?

Stable Voola tokens exist as NFT tokens built on several leading blockchains, including Polygon, Tron, Solana, Ethereum, BSC, FOIL. These transport protocols consist of open source software that interacts with blockchains, allowing the issuance and redemption of stable Voola tokens.

Each NFT token is 100% backed by our reserves, which include traditional currency and cash equivalents, and may also include other assets and accounts receivable on loans provided by Voola to third parties.



## Crypto Coupons

Coupons with a cold wallet.

Our Voolanotes coupons provide the highest level of security from graphic design to manufacture, which makes them comparable to real banknotes. The printing process is carried out in accordance with strict security protocol and takes place in Dubai, under the jurisdiction of the UAE.

## Advantages

A convenient way to buy and store crypto assets.

- great for a gift (replenished with \$ 200 and gave to a friend).
- payment as in cash (transfer of a crypto asset from hand to hand).
- travel without extra attention, Voola note banknotes can be stored together with paper money.

The wallet balance can be checked using the wallet's public key via any blockchain explorer. To do this, you need to scan the QR code of the wallet or enter the public key manually.

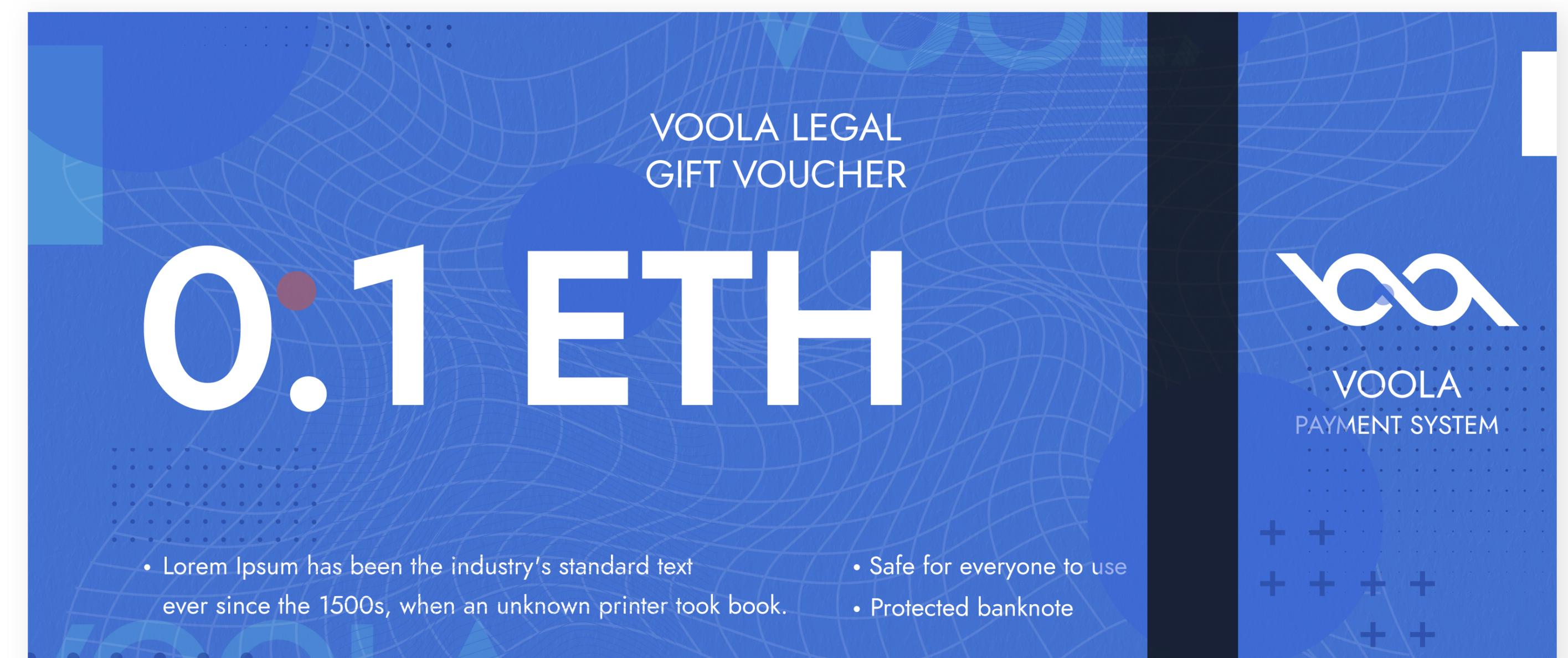
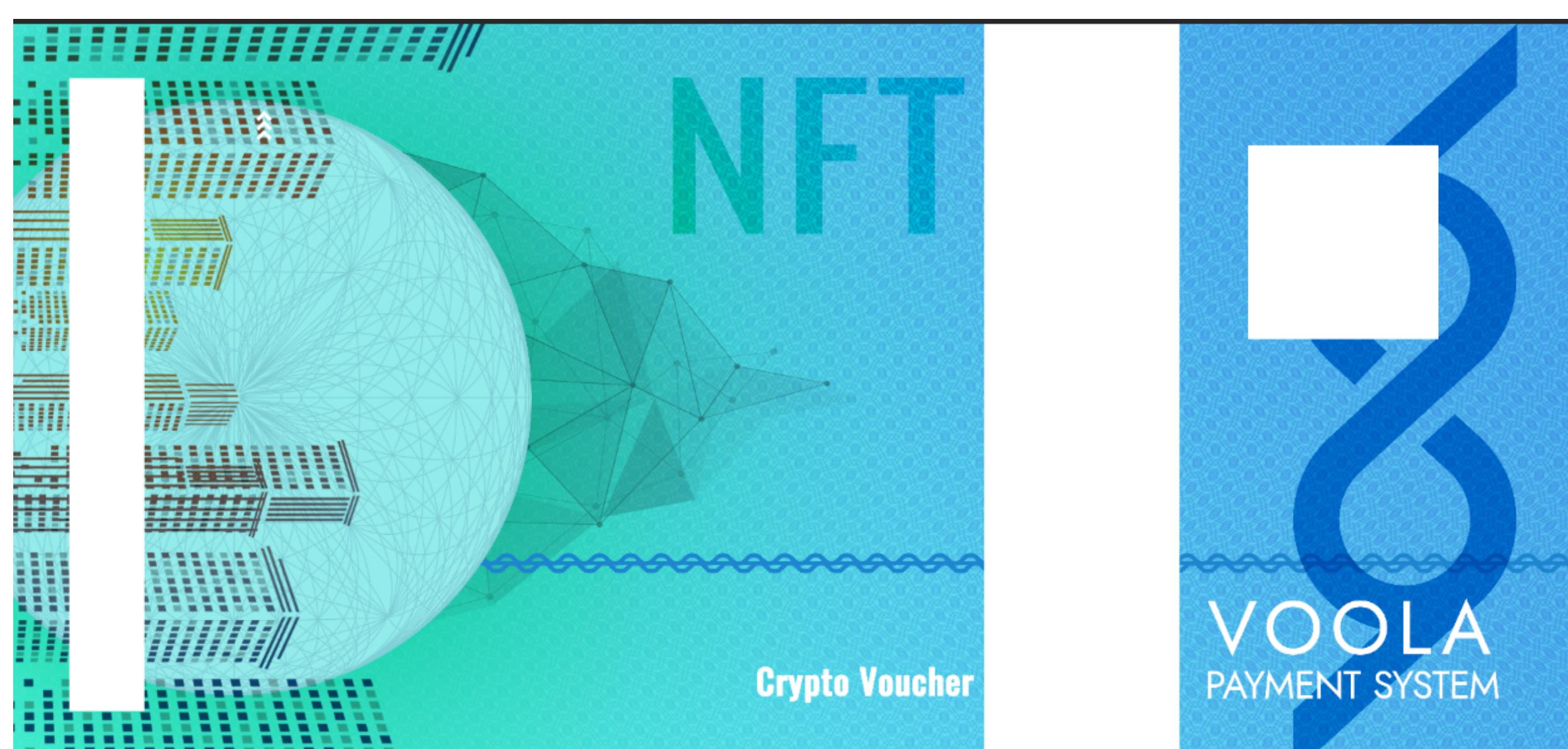
The private key of the wallet is placed under the hologram (when opening it, the edges come off unevenly, this allows you to determine whether this banknote was opened earlier)

## How are private keys printed?

Secret keys are created using a quantum machine developed in Dubai. These systems have been tested for compliance with the NIST SP800-22 test suite for random numbers. Therefore, we can guarantee that each wallet is unique. Secret keys are generated offline, the printer does not have access to the Internet, and the employees of the printing house with a high level of security are under strict supervision.

The company is one of the most reliable printing companies in the UAE.

- a) The process of creating cold wallets is safe
- b) A secure process has been implemented to delete private keys after printing a set of cold wallets
- c) The printing machines are offline and not connected to the Internet
- d) A security firm and an audit company control the entire process.





## SmartCards

Voola SmartCard is a simple and easy-to-use device that allows you to simply and easily store cryptocurrency in an elegant and stylish form. You can put the card in your wallet and carry it with you, while maintaining full control. The built-in chip stores your unique and non-copyable key inside the card itself, which makes this product a very secure way to store your cryptocurrency. You can also easily manage your cryptocurrency on multiple cards to distribute your assets for maximum security. This device is multi-currency, you can store coins such as Voola, Foil, Bitcoin, Ethereum, Ripple, Bitcoin Cash, Stellar, Cardano, Tezos

## Specifications

Size: 85.60mm x 45.00mm x 0.80mm Built-in microchip: EAL6+ SecurCore from Samsung

Uses cryptography: 3DES, AES, RSA and ECC

Processor: Arm SecureCore SC000

Compatible with Android 5.1+ or iPhone with NFC (on some models)

The firmware is tested by Kudelski Security to ensure your protection

## Why do I need a hardware device?

Assets can be stored on an exchange, on online services or in an application on a computer. All these methods are extremely risky, since accounts on exchanges are often hacked, and funds are stolen. At the moment, there is one most secure way to store cryptocurrencies – a hardware device that cannot be hacked. With a hardware device, you can not worry about the safety of assets.

The technical support of the Smart card functionality is divided into 3 generations:

### 1st generation:

At the moment, Smartcards only support two-factor authentication of access to the Voola Wallet|

### 2nd generation:

Allows you to store private keys from the crypto wallet, view the status of your crypto wallet in the Voola Wallet application and sign outgoing transactions.

### 3rd generation:

A full-fledged payment tool that allows you to pay without an application in stores without connecting to a Voola wallet. We are creating a full-fledged payment system based on blockchain technology.



1st generation	2FA authentication for wallet access
2nd generation	Storing private keys from crypto wallets
3rd generation	Payment system for conducting transactions in stores without an app



## Loyalty Program

Since merchants receive payments through the Voola payment system, they pay a commission of about \$1.5 for every \$100 they receive (for MasterCard and Visa).

By creating a server and a decentralized processing structure, Voola can provide a lower transaction fee for merchants - an average of 0.5% per transaction.

In the process of reducing costs, Voola can provide unique loyalty programs for merchants. By using Voola for acquiring, merchants can expect a more flexible, fair and equal commission. 0.15% of each of these payments is accepted and returned as cashback, as shown in the table below, to encourage customers to make more purchases.

Voola customers are divided into four groups, which are determined by the amount of toxins they own.

Long-term ownership of VOOLA tokens	Bronze	Silver	Golden	Platinum
	<1	1 - 8 000	8 000 - 25 000	>25 000
% of the monthly loyalty program, intended for each loyalty group	5%	10%	35%	50%

The individual's share in the Monthly loyalty program (MLP) is calculated as the share of the volume of user transactions compared to transactions of a certain loyalty group.

To prevent fraud, Voola plans to apply a number of measures, such as limiting the number of actions that users can perform during the Company's development. These restrictions will apply to those users who own 15,000 or more tokens.

Long-term ownership period >=15,000 VOOLA	< 6 мес	6 - 18 мес	> 18 мес
Number of payments per day/month	∞ / 30000	∞ / ∞	∞ / ∞
Amount of payments per day/month (USD million)	0,3 / 2,0	∞ / ∞	∞ / ∞
Number of transactions per day/month	100 / 3000	300 / 12000	∞ / ∞
Amount of transfers per day/month (USD million)	0,3 / 1,0	2,0 / 6,0	∞ / ∞
Number of cash withdrawal operations per day/month	20 / 600	40 / 1200	∞ / ∞
Cash withdrawal amount per day/month (USD million)	0,2 / 1,0	1,0 / 5,0	∞ / ∞

Example:

Bill owns 40,000 VOOLA and is therefore a member of the Platinum Loyalty Group. The total transaction cost per month for all members of the platinum loyalty group was \$640,000, of which \$8,000 was carried out by Bill. The Bill's share can be calculated as: US\$ 8,000 / US\$ 640,000 = 1.25%. As for the total MLP value available to Platinum Loyalty Group members, Bill will be eligible for  $1.25\% \times 180\ 000 \$ = 2\ 250 \$$ . The reward will be paid to Voola in the form of VOOLA tokens or in cryptocurrency - at the discretion of the company.

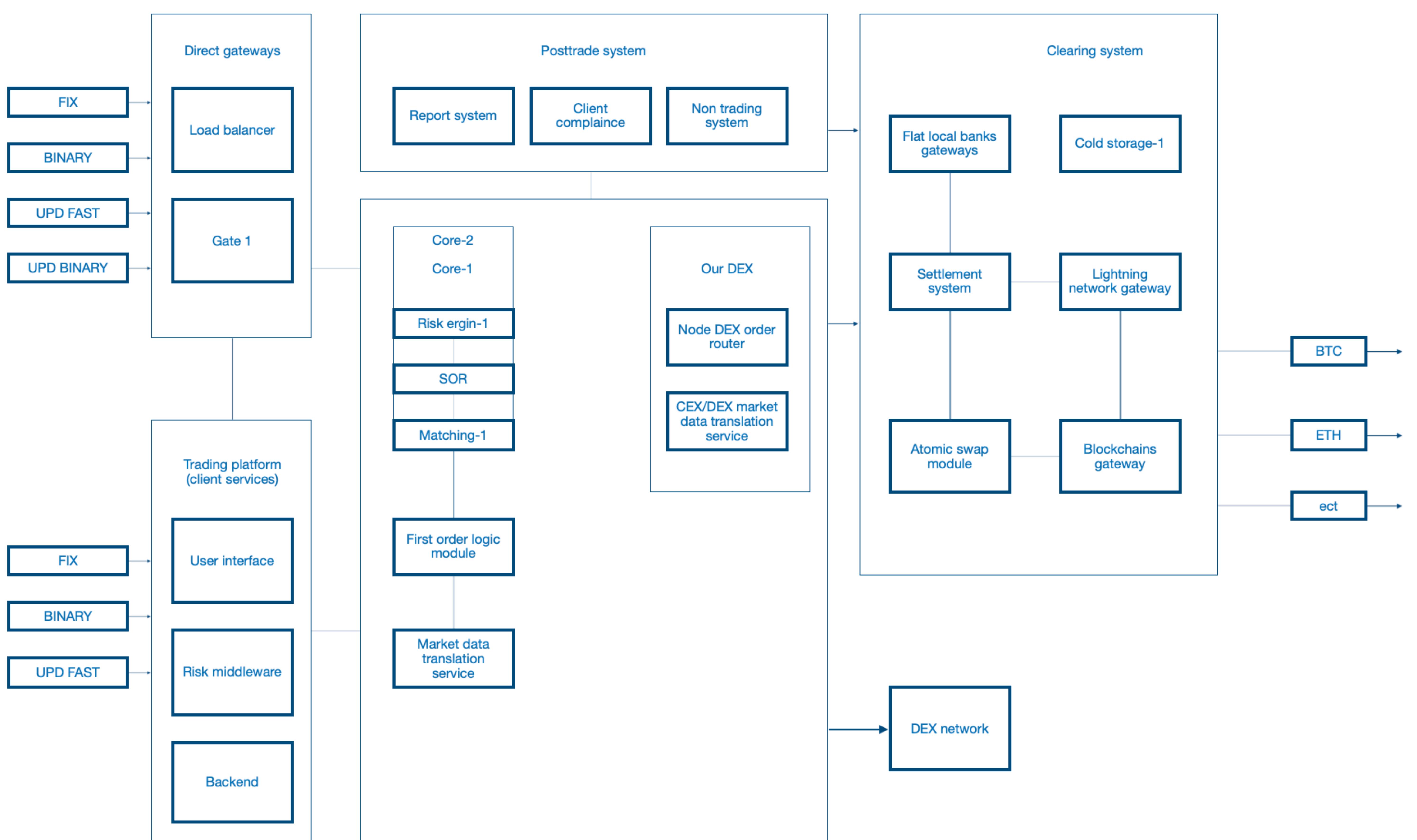


## Payment using QR codes

The QR code system allows the user to interact more comfortably with the cryptocurrency during transactions on the platform. The address of your wallet is from 27 to 34 characters. For easy and convenient address entry, the project allows you to use QR codes for all types of transactions.

There are many convenient payment systems - magnetic tapes, magnetic chips, NFC, QR codes. Magnetic tapes are considered the least secure, while magnetic chips and NFC have the greatest global prevalence. However, NFC is at least 1.5 times faster than magnetic chips (3 seconds for the whole message versus 5 seconds). The latest payment tool, the QR code, is widely used in China, and many financial experts believe that the Chinese have gone further with QR codes. QR codes have the highest level of security and data management. Thus, Voola considers two leading payment tools in product design and scenario - QR codes for applications and NFC chips of existing mobile contactless payments for POS terminals.

## Voola Smart Exchange Built-in DEX



The integration of hybrid exchange brings on board both the advantages of centralized exchanges, such as the speed and ability to process large orders, and the benefits of decentralized exchanges, such as reliable storage of funds and the inability to influence customer trading.

The decentralized Voola exchange has an advantage in the field of processing, which allows you to conveniently process transactions and exchange information for each type of client. Customers of "black" & "white" tariffs will be able to appreciate safe and fast transactions during payments and purchases. Business clients can also increase profitability with a decentralized exchange where they can exchange their issued stable coins, keep their financial assets less volatile than current fiat ones, and easily build up capital with AI-based trading bots.



## Robot consultant

Customers who use the decentralized Voola exchange can use the services of our robot consultant. The consultant will help investors who trade in Voola Bank with finding the best trading options, as well as when to open and close deals. The robot's advice is based on cryptocurrency trading statistics collected by Voola Bank specialists.

The robot Consultant is a data-driven AI-based solution designed to create a unique environment for traders and hedge fund investors (also within the framework of issued stable coins) to make their business more profitable with fewer commissions than any other trading platform. The profit earned in trading can also cover the commissions.

## Liquidity

Liquidity is a distinctive aspect of an asset. It evaluates how quickly any asset can be sold or bought without affecting the price of the asset. The more people trade the same asset in the same market, the more liquid it is. Higher liquidity provides less volatility of the asset; since investors know this, it is easier to convert the asset into cash.

Liquidity is one of the main and priority problems of the development of the decentralized Voola exchange. It is designed to provide the platform with the most convenient exchange rates. If the liquidity principles are considered, there will be no queues and time-consuming procedures. Thus, the liquidity on the Voola exchange is confirmed by two main aspects - client activity and trading demand.

## Liquidity scenario

Voola allows companies and businesses to distribute their tokens on a secure blockchain. This practice allows these businesses to gain customer loyalty by providing them with additional value. Token issuance can create and burn tokens when needed.

Any purchase of cryptocurrencies will be processed by the Voola platform.

*The initial price of tokens will be about 70-80 cents from the final price. As soon as all tokens are distributed, the price is fixed at \$1, and all investors (buyers of tokens) will receive an immediate percentage. They can exchange tokens for US dollars in a 1:1 ratio, as well as exchange for any available cryptocurrencies. In addition, it will be possible to purchase some types of exclusive products, purchased only with tokens, and allowing holders to receive some personal discounts (up to 30-40%).*

## Depositing and liquidity

The Smart Exchange will host an escrow system in which sellers' coins will be stored until the buyer sends the payment. The system guarantees the safety of the seller and the buyer throughout the entire purchase process. The main purpose of the escrow solution is to provide a verified report on any transactions that require identification.

The Voola Escrow account is automated and verified using a smart contract. The account stores property, documents or cash until certain obligations are fulfilled. Voola provides a secure and legal platform for the purchase of goods, services, movable and immovable property, cryptocurrencies and any investments. In addition, Voola plans to develop a payment management service.

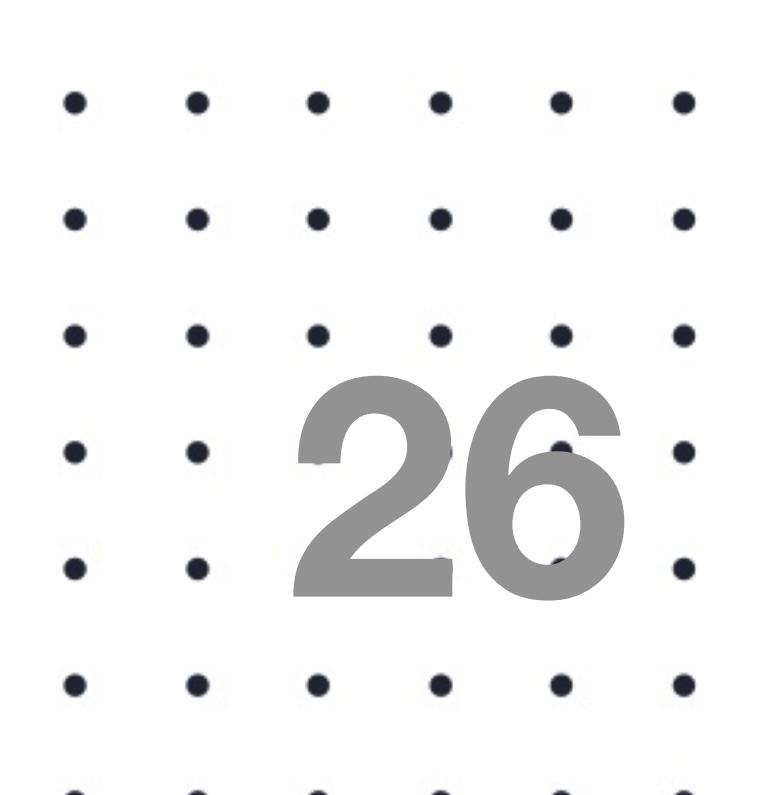
To protect Voola from platform failure, we will continuously provide advanced system monitoring and efficient load balancing algorithms.

The Voola Escrow service has the following functions:

- Secure execution of the transaction - purchase and sale of goods, services, property and cryptocurrencies with a low level of risk. Voola provides a two-way deposit function and arbitration services.
- Marketplace - publication of ads for the purchase and sale of goods, services, property and cryptocurrencies.
- Escrow Agent - earning by becoming an escrow agent for your client's transactions.
- Rating system - information about past transactions is stored on a secure and transparent blockchain chain.
- Low transaction fees; from 0.5% to 1% per transaction.

Voola provides high standards of safety, such as: Антифишинговые механизмы

- Two-factor authentication
- Dealers can freeze funds for up to 72 hours





## Security of the cryptocurrency purchase process

Our exchange will have an escrow system in which sellers' coins are held until the buyer sends the payment. This guarantees the safety of the seller and the buyer throughout the entire purchase process. Without this system, which is provided by the exchange, it would be impossible to ensure trading in cryptocurrency. This is because buyers and sellers will not be able to guarantee the security of each other's transactions.

Security will be provided at all levels of the platform.

Blockchain based on Proof-of-Work and Proof-of-Asset protocols are secured using cryptographic keys to increase security. Money can be lost only in case of leakage or access to the private key as a result of human errors.

Full transparency of transactions on our blockchains ensures the guaranteed absence of any malicious manipulations.

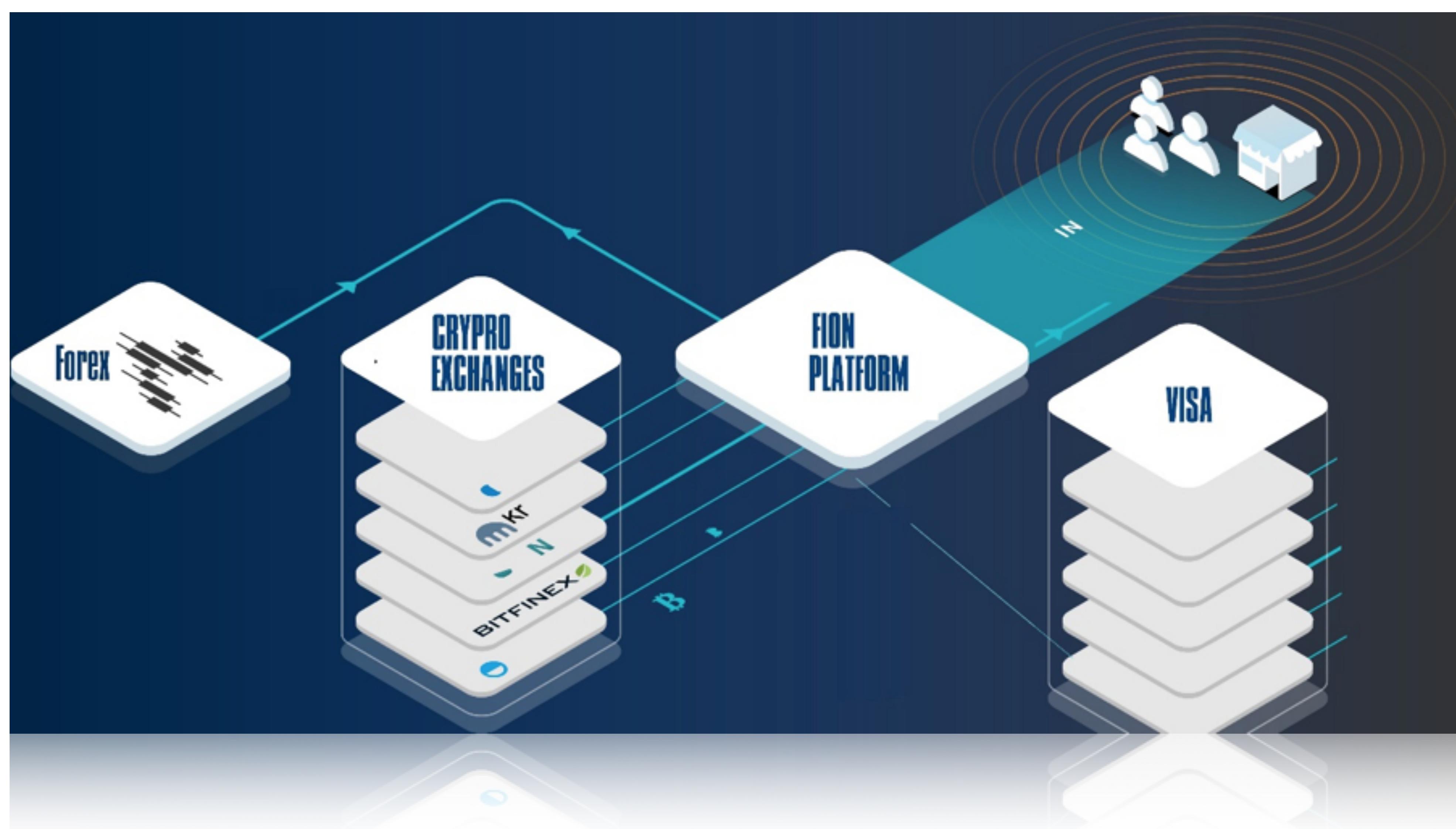
A detailed monitoring system together with load balancing protects against any platform failure.

## Clearing account

A temporary account will be available that will hold the expenses of Voola business users until they are transferred to another location. For example, a user can use a clearing account to store income and expenses when completing financial settlements at the end of the year. When the user finishes placing income and expenses in the account, he can then transfer the amount to the net income of the users.

The Voola clearing account is a fully automated and time-tested blockchain-based mechanism that will not allow even the Voola team to make changes and adjustments to their data (including user reports and general statistics). The main purpose of the clearing account is to provide autonomous public reports on the activities of Voola as an ecosystem of banking products and solutions.

## Smart Exchange



The Smart Exchange platform is based on algorithms that provide the most effective comparison of bids and offers for P2P exchanges through third-party crypto exchanges.

Voola optimizes the exchange of cryptocurrencies and informs the client about the most effective payment methods.

Users can buy, exchange, trade and withdraw any crypto and fiat currency. The Smart Exchange system also provides a profitable environment for user tokens of any business. The VOOLA token will keep trading and transactions as liquid as possible.



## Trading Platform

The trading functionality will include atomic swaps and lightning payment channels.

Atomic swaps allow customers to exchange currencies of different countries on the blockchain with a commission ten times less. In addition, the atomic swap provides an automatic and immediate exchange solution. It works with block change algorithms, allowing you to calculate exchange transactions at a lower price. The transaction is controlled by a smart contract that creates a time channel where two parties can safely exchange their cryptocurrencies. At the moment, both technologies are not ready for mass adoption. However, we are working on their integration and plan to release them in the future.

Using the Lightning network is another feature implemented in the decentralized Voola exchange. To use the lightning network, you need to open a payment channel by creating a transaction for the linked blockchain. Payment channels allow participants to transfer funds to each other without having to publish their transactions on the blockchain.

## Mobile app and account access

The Voola mobile app is available for download in the Appstore for iOS and Google Play for Android. The mobile application acts as a gateway for interaction with the Voola blockchain and as a user interface of the private bank function.

Users can access their account either through a mobile app or through a secure web interface. The web interface will allow users to enjoy all the benefits of the Voola network after identity verification and 2FA procedures.

## Mobile Banking

After registration, each user receives a virtual debit card. All information about the balance, the issue date and the entire transaction history can be obtained from the application.

## Crypto Wallet

All funds are stored on customers' wallets. Voola Bank does not have access to the client's assets. Customers can view the entire transaction history and sort data by payment categories, payment time, currencies, etc. Thanks to the mobile crypto bank, it is easy to make deposits and monitor account activity.

## Payments and transactions

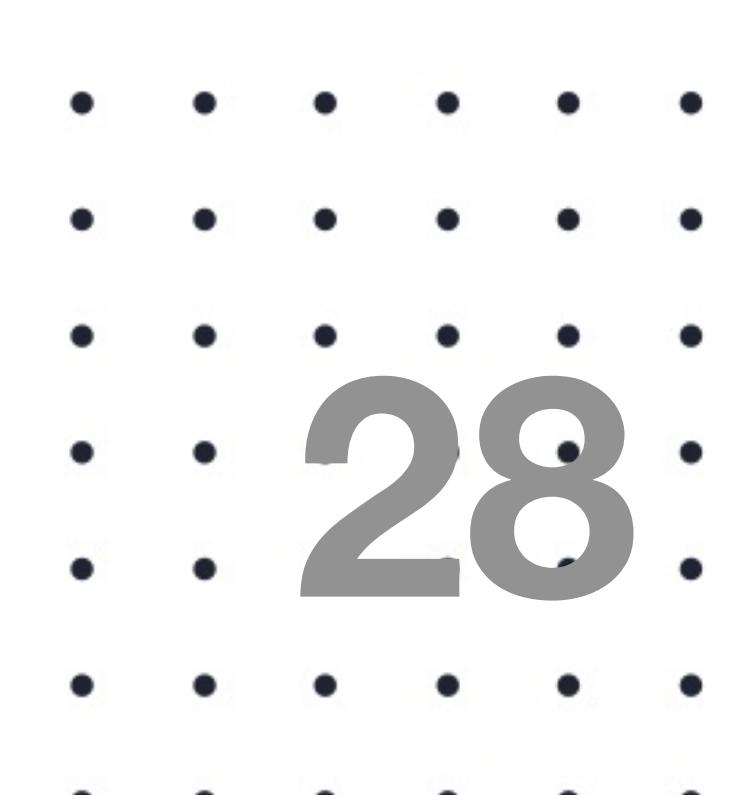
The application allows users to make payments in cryptocurrency or fiat using QR or NFC. Customers can make transactions with several cryptocurrencies at the same time.

## Exchange Interface

The mobile application provides all Voola users with access to an internal decentralized exchange where users can exchange their favorite cryptocurrencies and ERC20 tokens.

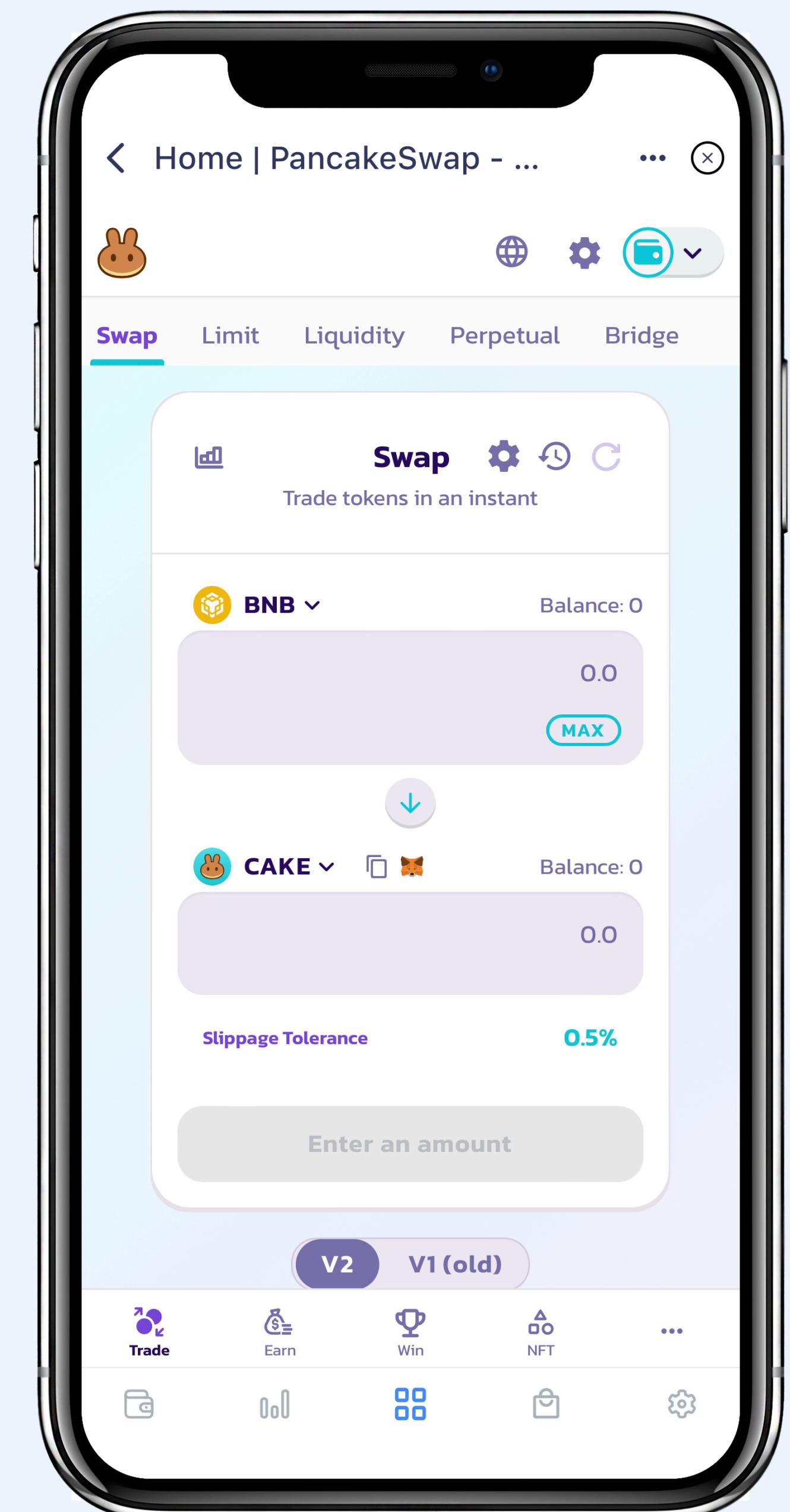
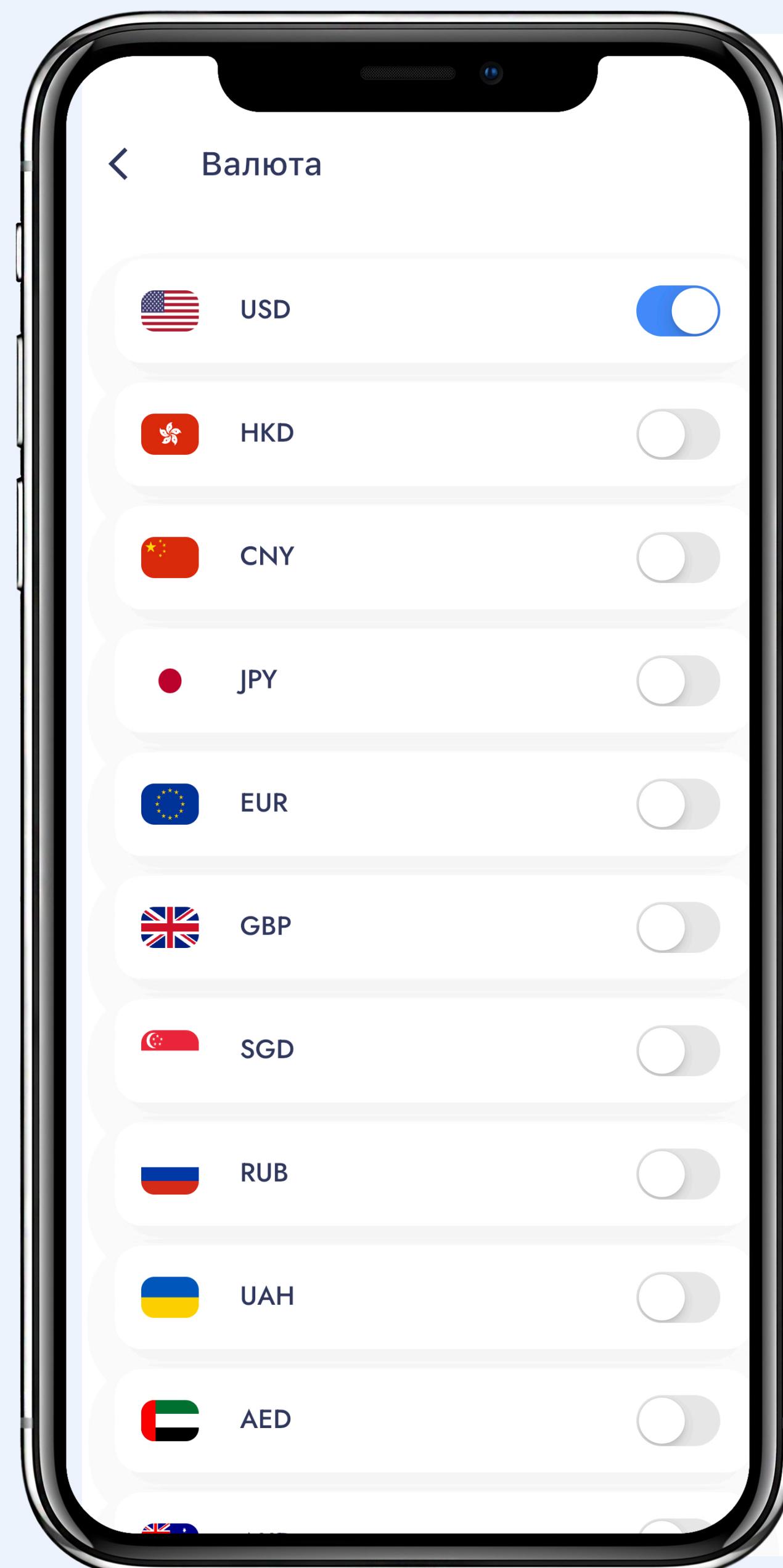
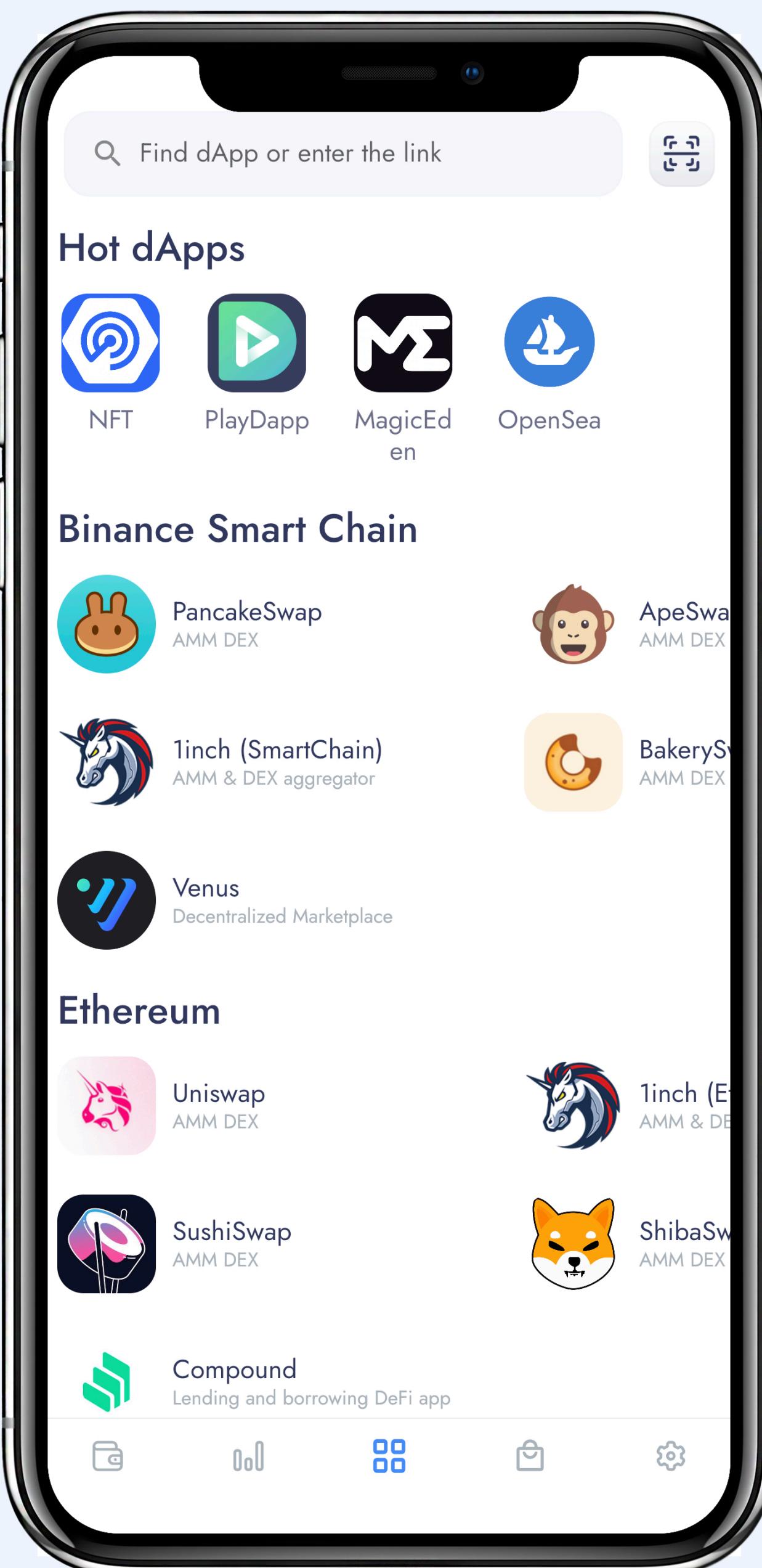
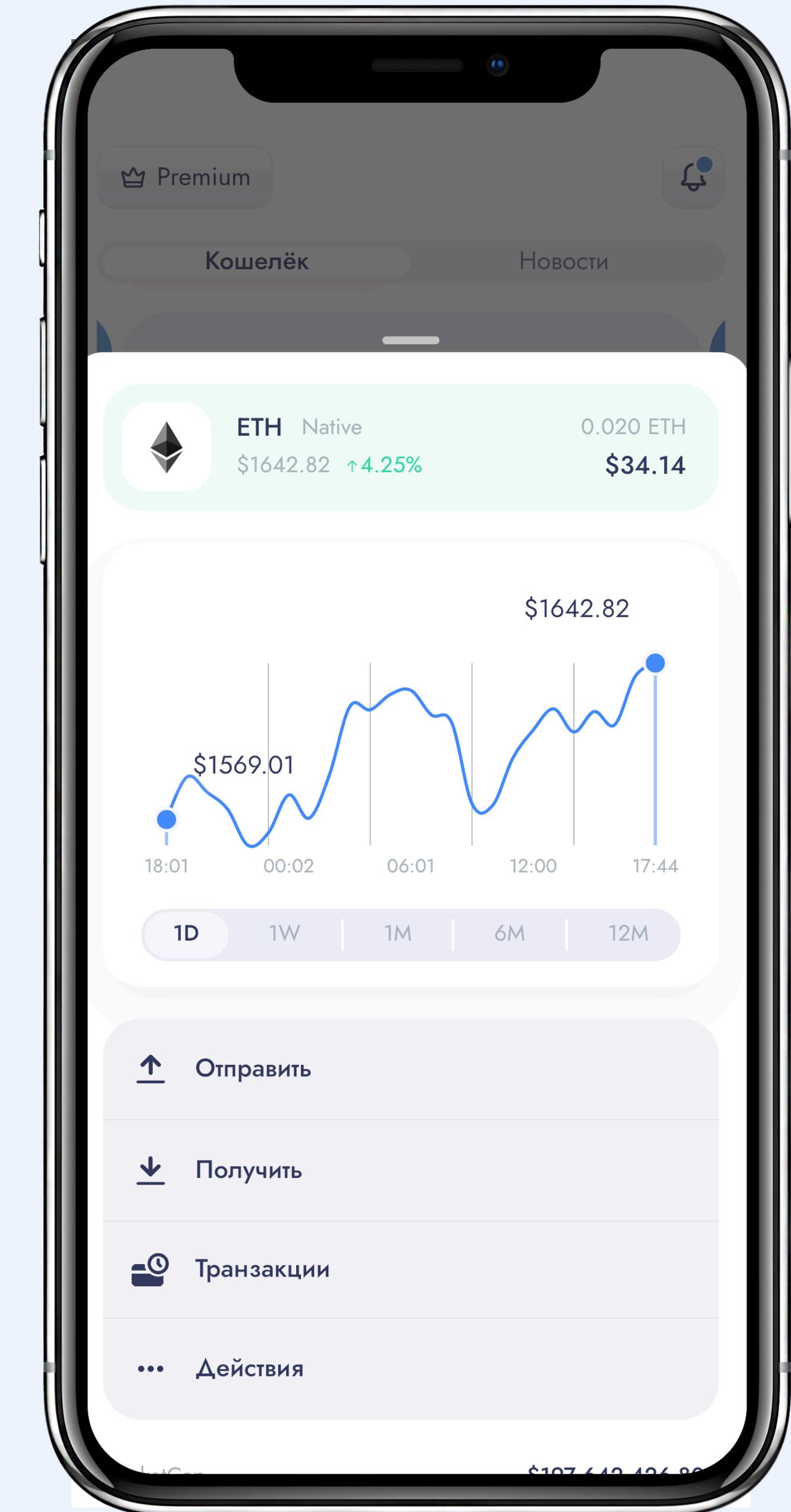
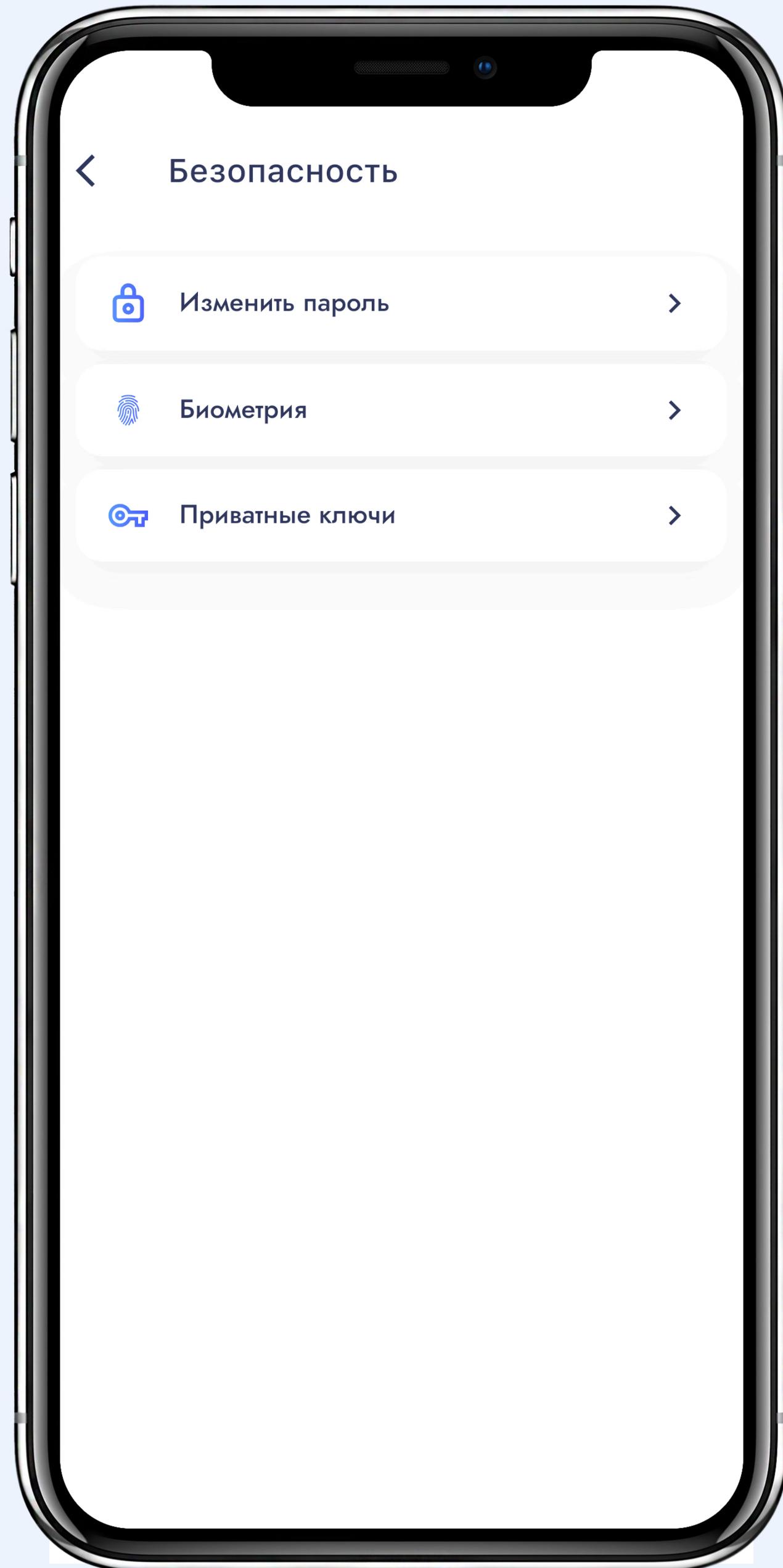
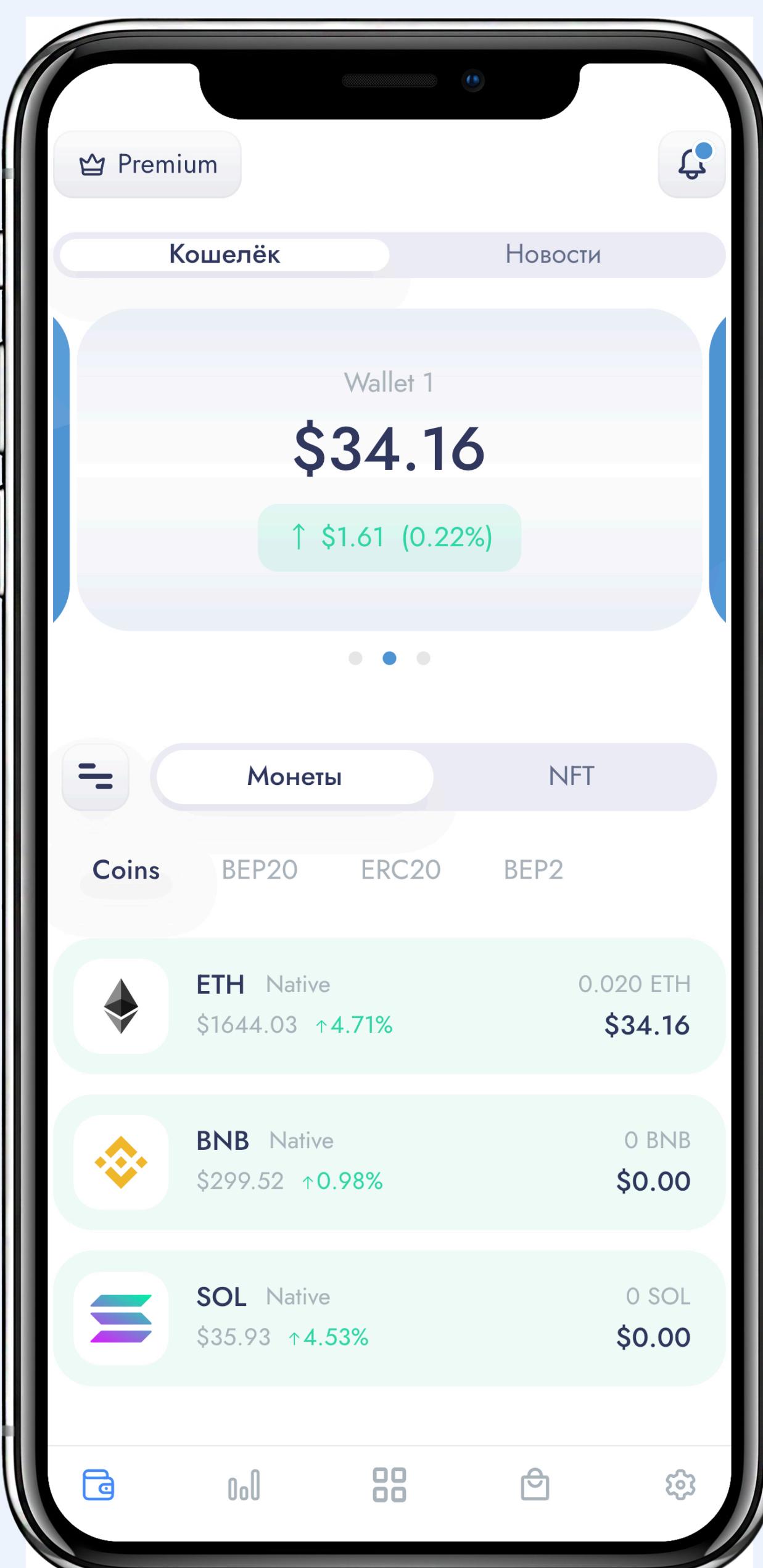
## Biometric access

Users can use their biometric data to access the mobile application and use it to verify transactions.





## Screenshots of the mobile app





## Token VOOLA

### General information

VOOLA is an ecosystem token that serves as the basis for all transactions performed in the Voola financial network. VOOLA is used as fuel for the operation of smart contracts and as a commission payment for all Voola transactions and financial services. The only issue of VOOLA tokens will take place during the ICO.

### VOOLA – System fuel

VOOLA tokens are spent by the user's account as an operational fee of 0.5% each time the user makes a payment. The user's wallet must contain a sufficient number of VOOLA tokens as a reserve for future transactions.

Voola is currently working on algorithms that automatically search for the optimal transaction fee level at any given time on all exchanges integrated with the Voola platform. Such algorithms will allow you to calculate the commission most efficiently.

Example:

*Bill is the owner of VOOLA tokens, he wants to buy a \$15 breakfast using bitcoins that are stored in his Voola wallet. At the time of the transaction, the best bitcoin price was \$15,000 per bitcoin, and for a VOOLA token - \$0.01 per 1 VOOLA. When Bill makes a payment (it is enough for him to access the NFC terminal with his smartphone), he will be charged a commission of 0.5% in VOOLA. Thus, the total amount will be \$ 15.05, which, in turn, will reduce the number of his bitcoins by 0.001 BTC (\$ 15 / \$ 15,000), and VOOLA tokens by 5 (\$0.05 / \$ 0.01).*

### Additional benefits for token holders

Priority holders of Voola tokens will be able to access support services and priority access to new products of the company.

Voola plans to apply a wide range of measures to combat fraud and control unwanted user actions during the development of the platform. These restrictions will apply to those users who own 15,000 or more tokens.

The period of continuous ownership of 15,000 or more VOOLA tokens	< 6 month	From 6 to 18 month	> 18 month
Number of payments per day/month	∞ / 30000 0,3 / 2,0	∞ / ∞ ∞ / ∞	∞ / ∞ ∞ / ∞
Amount of payments per day/month (USD million)	100 / 3000 0,3 / 1,00	300 / 12000 2,0 / 6,0	∞ / ∞ ∞ / ∞
Number of transactions per day/month	100 / 3000 0,3 / 1,00	300 / 12000 2,0 / 6,0	∞ / ∞ ∞ / ∞
Amount of transfers per day/month (USD million)	20 / 600	40 / 1200	∞ / ∞
Number of cash withdrawal operations per day/month	0,2 / 1,0	1,00 / 5,0	∞ / ∞
Cash withdrawal amount per day/month (USD million)			

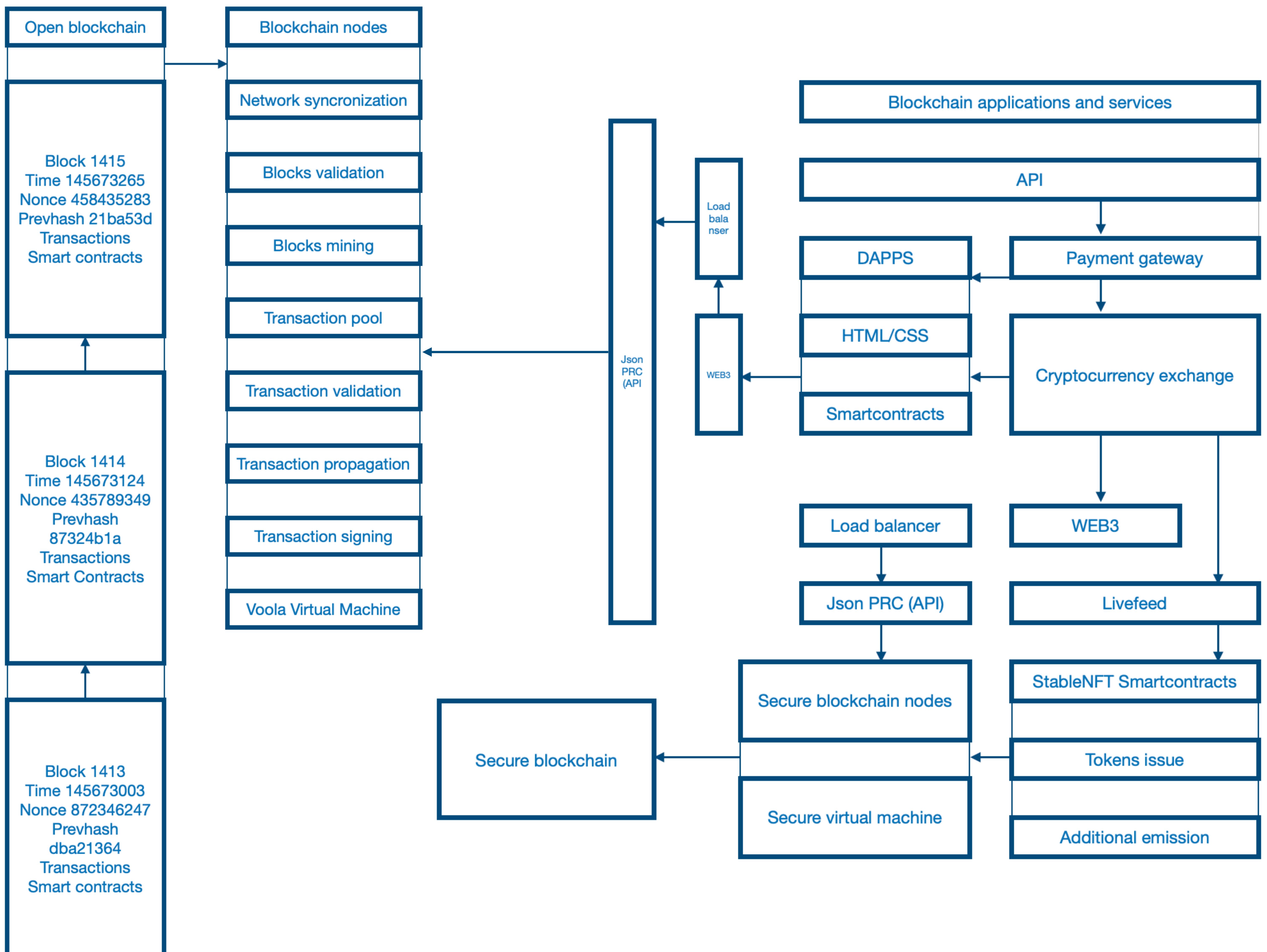
Please note that for security reasons, users will be able to set their own limits, which will be lower than those indicated in the table above. In addition, operations with the account (replenishment of the cryptocurrency account, replenishment of bank cards, cash deposits at ATMs, etc.) are not limited.

While many of Voola's core features will be free for use by all participants, additional fees may be charged in future services: for example, concierge services. After launching additional features, token holders can expect to receive discounts of up to 75% of the standard price.

Merchants who use Voola acquiring services will receive discounts (up to 50%) from the standard commission.

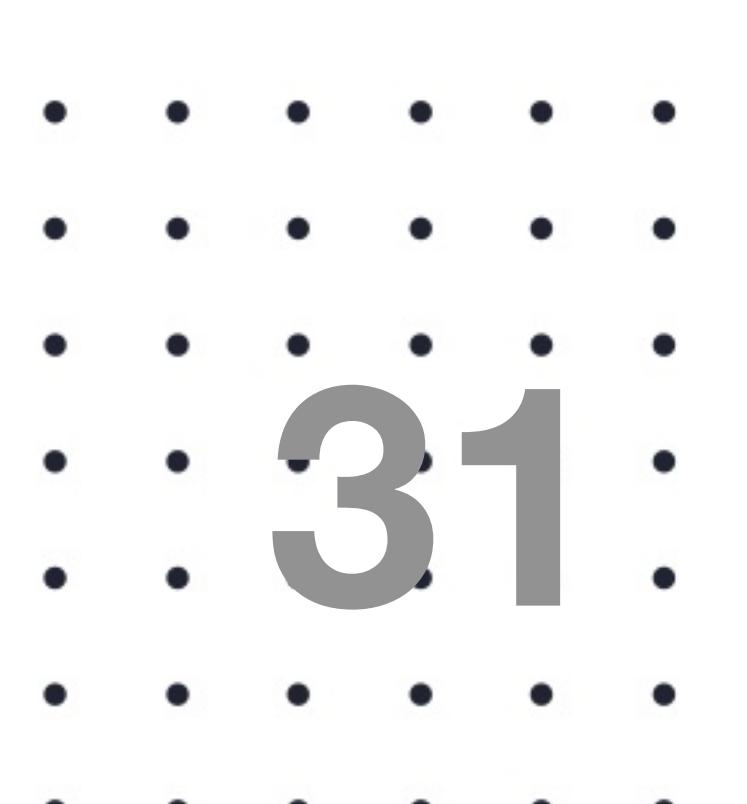


## Technology and Blockchain



## Project architecture

The Voola network will consist of two interconnected forks of Ethereum. A secure blockchain will be based on the Proof of Authority (SOA) algorithm, and an open one will be based on Proof of Work (POW).





## Migration

Voola will move towards its goal when the possibilities of the ethereum fork will not allow the company to scale and increase its customer base. If the Voola token is on the Ethereum blockchain as an ERC 20 token, different interest in coins should be allocated for a new proprietary blockchain. The release of the Main Network means that Voola will be able to allow individuals and businesses to start developing and hosting any decentralized applications on the Voola platform.

Since the Ethereum blockchain and Voola use the same address space, all ERC 20 token holders will receive an equal number of Voola coins. So the exchange rate will be 1:1. All coins will be pre-distributed through the genesis block of the blockchain.

```
{  
  "alloc": {  
    "3282791d6fd713f1e94f4bfd565eaa78b3a0599d": {  
      "balance": "133700000000000000000000"  
    },  
    "17961d633bcf20a7b029a7d94b7df4da2ec5427f": {  
      "balance": "229427000000000000000000"  
    },  
    "493a67fe23decc63b10dda75f3287695a81bd5ab": {  
      "balance": "880000000000000000000000"  
    },  
    "01fb8ec12425a04f813e46c54c05748ca6b29aa9": {  
      "balance": "259800000000000000000000"  
    }  
  ...  
}
```

Every time we launch a Voola network node, we recreate this zero genesis block and initiate all transactions with token holders. Thus, if you invested in Voola at the ICO stage or while it was an ERC20 token, you do not need to receive coins from the main network, since it is already enabled using your Ethereum private key or a JSON file.



## Technical problems of the Blockchain Scalability

One of the main problems of blockchain is the problem of scalability. Blockchain suffers from the fact that every transaction must be processed by every node in the network. Dependence on computing power hinders potential growth. To solve this problem, we have added additional blockchains that allow the user to make instant transactions.

### Transaction costs

The cost of transactions in the Voola blockchain is dynamic and depends on the load of the blockchain network. The minimum transaction price (with a gas price of 1 Gwei) is 0.000021 VOOLA. At the rate of 1 VOOLA = 0.01 \$, it will be 0.00000021 dollars. Blockchain users can set a gas price of more than 1 Gwei to minimize transaction time when the network is overloaded.

Users who create transactions regulate the price of gas. Voolabank does not have any tools to regulate it.

The project can only set the minimum potential of the extracted transaction, since it cannot independently change the price of gas. High priority transactions are those that have been sent to the network with a higher gas cost. If a user has sent a transaction that costs 1 Kay, and at the same time there are transactions worth 2 Kays in the network, his request will be processed after the system executes transactions of 2 Gwe.

### Network speed

The planned performance of the VoolaSecure network is 100-200 transactions per second with the potential for expansion after full-scale stress testing. Load testing will be performed using multithreaded transaction generation.

For example, the original ERC20 can only process seven transactions per second. The modified protocol reduces the inconvenience that a user may encounter when using a standard ETHERNET network.

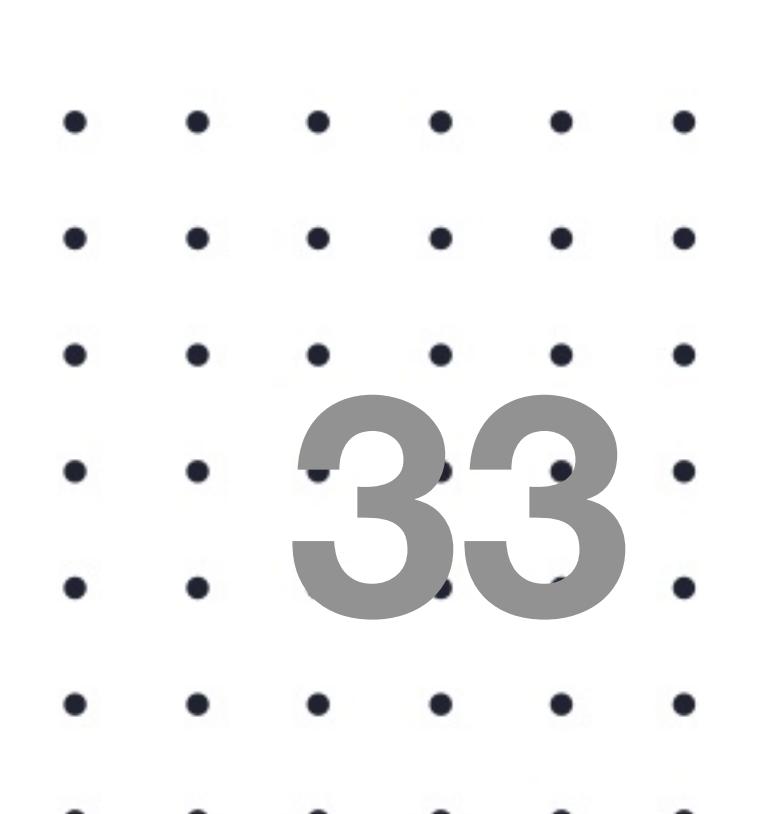
### POW Consensus

The specific Proof-of-Work algorithms used by Voola are called "ethash". For each block of transactions, the miners need to repeatedly and very quickly calculate the answers to the equation until one of them wins.

In particular, miners will run the unique metadata of the block header (including the timestamp and software version) through a hash function (which will return a fixed length, a combined string of numbers and letters that looks random), only changing the value of "nonce", which affects the final hash value. If a miner discovers a hash that matches the current target, the miner will receive a reward and the block will be shared by each node to approve and update the register.

### Consensus POA

Using the POA (Proof-of-Authority) algorithm, transactions and blocks are verified by approved accounts known as validators. The POA consensus is an optimized Proof-of-Stake model that uses identity as a type of bet rather than a token bet. POA uses identity as the only validation authority check, which means there is no need to rely on mining. POA security is centralized in the form of a node of authority, so it is suitable for the business blockchain model.





## Primary Token Distribution

(k) Годробное описание целевой базы инвесторов;

### ICO

Total number of tokens:  
3,900,000,000

(w) Период, в течение которого действует предложение;

The Voola platform offers potential users the right to buy VOOLA tokens during the ICO. VOOLA tokens will be issued on the Ethereum blockchain in the form of a standard ERC-20 contract.

(z) Способы оплаты;

Voola is a UAE zone company registered in accordance with UAE law, headquartered in Dubai, has the right to conclude transactions and conduct audits. This guarantees transparency of its actions and control, compliance with the rules of any territory and the rules of any institutions affected by Voola's activities.

VOOLA tokens provide their owners with special benefits, including increased rewards depending on the user's activity. VOOLA tokens are not stocks, securities or their equivalent, and therefore do not create ownership rights to Voola, orders or their assets. The owners of VOOLA tokens do not influence the Company's decision-making or its activities.

### Structure ICO

The ICO will be held in the form of a Dutch auction, where the value of the token increases by 0.5% every day from \$ 0.006531 to a maximum of \$ 0.01. There is a limit on the number of tokens available at a discounted price.

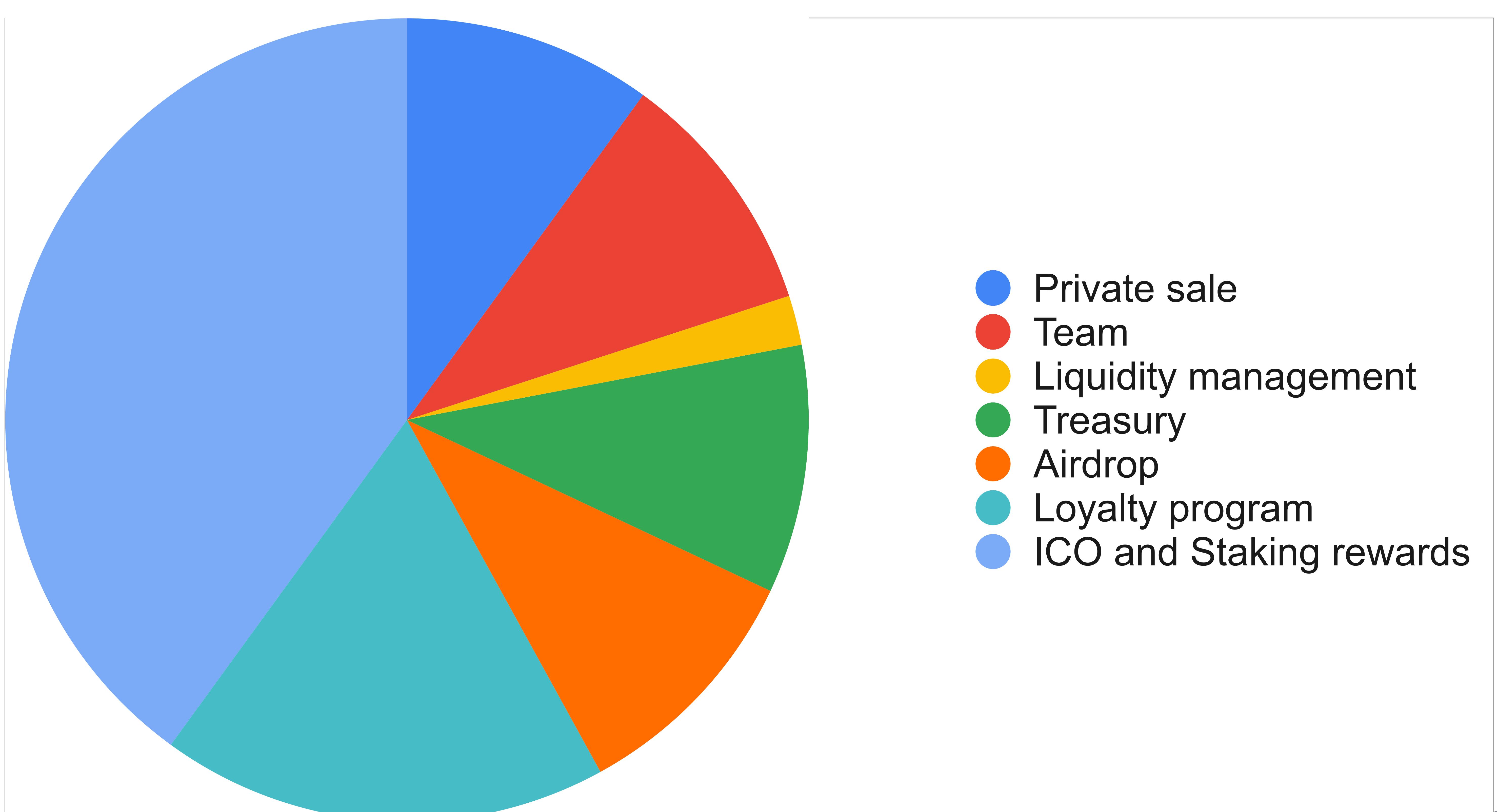


## Concept ICO

Private ICO will be held in the form of a Dutch auction, where the value of the token increases by 0.5% every day from \$ 0.006531 to a maximum of \$ 0.01. There is a limit on the number of tokens available at a discounted price. 15% of the issue will be distributed as a reward for StableNFT stacking.

#	Start date of the sale period	Number of tokens for sale	Token price at the beginning of the period
1		70000000	0,006531
2		70000000	0,006764
3		70000000	0,007005
4		70000000	0,007256
5		35000000	0,007515
6		200000000	0,007629
7		200000000	0,007901
8		200000000	0,008183
9		180000000	0,008475
10		180000000	0,008778
11		180000000	0,009092
12		180000000	0,009416
13		150000000	0,009752

## Token Distribution





#### Итого по категориям

Категория	Алокация
Private sale	10 %
Team	10 %
Liquidity management	2 %
Treasury	10 %
Airdrop	10 %
Loyalty program	18 %
ICO and Staking rewards	40 %

18% of the tokens allocated for marketing and loyalty programs will be gradually released to expand the user base and the needs of the monthly loyalty program.

Voola is focused on providing products that can be massively implemented in a fast and efficient manner, creating value for VOOLA token holders.

The remaining 10% of tokens will be distributed among the project team, advisors and members of the bounty campaign.

After the ICO, tokens will be transferred every 24 hours. The purchase of tokens via bank transfers will be terminated three days before the end of the ICO. Those who intend to use this method of transferring funds must deposit all funds before this date or use other transfer methods (BTC, ETH, LTC).

## Market risks

Voola Bank's algorithms are based on a platform that provides the most essential security of trades and protocols in a peer-to-peer payment network and a reduction procedure to reduce risks.

All real transaction information is carefully stored in special information centers, which are equipped with special software solutions designed to manage and improve all records, create a special portrait of each client to help him perform his cryptocurrency transactions in a faster manner, while reducing the risk factor for each transaction provided.

Highlighting specific options and a combination of solutions allows you to find a good guide along the route to achieve greater success and efficiency.

Using AI and machine learning to overcome the obstacle of human error is a thoughtful and balanced explanation of how the future of the market will develop from Voola.

Revealing eternal possibilities, the Voola team prides itself on allowing machine learning to deal directly with a large number of financial issues.



## Corporate culture

Thanks to the banking experience gained over the years of our hard work, we have created a disciplined and fast team that will solve problems not only on the project side, but also on the user side.

We sincerely love and support our customers, and this is what influences our policy, our priorities. Our priority is the quality and excellence of our product.



## Development map

