BONTI WHITE PAPER

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Bonti Platform

Introduction

Although many segments of industries such as healthcare, automotive, and finance, have already started leveraging blockchain technology, mobile app development is still in its initial stages of adoption. while blockchain development offers many advantages including improved efficiency, user experience, performance, and productivity, many influencers are still hesitant about its adoption.

Blockchain allows application developers to create highly secure and improved versions of eCommerce applications that enable customers and suppliers to trade without any intermediate middlemen. This eliminates the third-party fees as well. In this blog, we've compiled 10 ways by which Blockchain is streamlining mobile app development.

The integration of blockchain into mobile applications is already in full swing from enterprises to government institutions worldwide, each benefiting in its distinct way. Blockchain technology is quickly becoming a favorite among app developers to create robust and secure software solutions. However, many are still unsure how this technology can help mobile app development.

Among the benefits of blockchain for the mobile app development industry, for following reasons, blockchain adoption faced problems for businesses such as app developers:

- First, there is **no trust in the technology**. It is still an innovation, and it's normal. Building trust in the network represents a challenge for blockchain.

- **High costs and complexity** of blockchain.

- A **lack of understanding** comes next as many executives have a vague understanding of blockchain and the changes it will bring. Many still connect it only with cryptocurrency management.

- A **general lack of standards** is also a problem. Blockchain-specific vocabulary is insufficient; its terminology is both scarce and new.

- A **lack of general regulation** is a problem. The survey of C-level corporate executives conducted by RANE showed that 23% of its respondents had a concern over the lack of clear blockchain regulation. The good news is that some governments have already come to terms with the idea of blockchain implementation; others are considering it. Yet, there is still a long way to go.

- **Vague data regulation** is one more issue. For instance, the General Data Protection Regulation (GDPR) does not align well with the blockchain's immutable ledger.

To solve many of mentioned problems and facilitate the entry path for app developers through a blockchain environment and to simplify adding blockchain features such as crypto in-app purchase, NFT marketplace, transparent app rating mechanism, etc. Bonti as a web3 platform comes into play. Bonti platform developed many cryptocurrency and blockchain features to be used easily by other mobile applications.

In the following sections, Web 3 will be described first, and then the issues startups face to enter the world of blockchain will be stated. In the next section, the solution of Bonti to solve these problems is explained.

In the coming sections, Bonti token and its essential role in the Bonti solution will be introduced. Bonti development roadmap, Bonti technology, and Bonti team members are the final sections of the whitepaper.

What Is Web3?

Web3 is being touted as the future of the internet. The vision for this new, blockchain-based web includes cryptocurrencies, NFTs, DAOs, decentralized finance, and more. It offers a read, write, own version of the web, in which users have a financial stake and more control over the web communities they belong to. Web3 promises to transform the experience of being online as dramatically as PCs and smartphones did. It is not, however, without risk. Some companies have only entered to face a backlash over the environmental impact and financial speculation (and potential for fraud) that comes with Web3 projects. And while blockchain is offered as a solution to privacy, centralization, and financial exclusion concerns, it has created

new versions of many of these problems. Companies need to consider both the risks and the benefits before diving in.

Developers are gravitating toward Web3 infrastructure for a few major reasons:

- Web3 infrastructure can be more secure, private, and global than traditional web infrastructure
- Web3 infrastructure can enable censorship-resistant applications that are unstoppable by existing institutions
- Web3 infrastructure has an economic incentive layer that acts as a fundamental coordination mechanism that is attractive to many developers

Challenges in a mobile application that can be solved by Bonti

There are many issues and problems in the app development space right now, some of which can be solved by blockchain technology and cryptocurrencies. Here are some of them:

- Lack of financial incentives for mobile app users
- Lack of compensation mechanism for app developers
- Lack of transparency in-app ratings in app stores
- There was no way to make an in-app purchase with cryptocurrency
- Lack of technical facilities and tested modules to use cryptocurrency capabilities in apps easily and cost-effectively
- The complex process of minting and selling NFT for game applications and developers
- Lack of transparency and certainty in financial relationships between developers and app stores

Though blockchain technology has been popular initially as a base for the stable functioning of every cryptocurrency, it is now being looked upon as a database that can be used in almost any mobile app. The blockchain is a decentralized ledger that tracks the transactions between different parties that are shared with all the stakeholders. This makes the system very transparent and

enhances app security as no fraudulent transactions can be made and no one can tamper with the transactions without the knowledge of the stakeholders.

Multiple areas can be integrated using this technology. Not only are digital transactions made more accessible by using new methods through blockchain protocols but any peer-to-peer transactions in mobile apps prove to be a natural fit with this technology. Thus, blockchain helps in maintaining unalterable and dedicated records of transactions of any kind based on the needs of the mobile app such as app ratings, app comments, and app reviews.

Blockchain applications can disrupt the existing business models markedly by providing lower-cost instantized solutions. Blockchain protocols can make digital transactions in business processes more accessible by using new methods. The manual, time-consuming processes can be automated with the use of blockchain.

The strong encryption underlying the blockchain technology will make blockchain stay for long, even if cryptocurrencies lose the race. This technology with the backing of many major financial institutions, real estate consortiums, healthcare organizations, and other industries that need to track transactions securely will stay in vogue in the coming years.

According to Deloitte's 2018 Global Blockchain Survey, they are usually constrained by the following barriers to blockchain adoption:

- **Implementation.** Companies and startups have trouble replacing or adapting existing systems and applications. Many of them do not understand the point of new technology implementation in the absence of a proper use case to justify it. This idea was supported by 74% of the Deloitte research respondents who see a compelling business case for the use of blockchain technology but don't see how it can fit into their existing system.

- **Regulatory and legal concerns.** These refer to the choice of a regulator, data privacy issues, intellectual property, and enforceability of contracts.

- **Potential security threats.**

- **Lack of skills and understanding.** While blockchain is still in the transition stage, finding qualified specialists is a real challenge at the moment. However, according to the LinkedIn Emerging Jobs Report, the past year saw a 33x increase in blockchain developer jobs. So, more and more DLT-capable professionals are entering the job market.
- **Uncertain ROI.** This is a normal concern for any investor.
- **Lack of trust.** At this stage, many companies are skeptical about blockchain, regardless of all the hype.

Another essential problem with enterprises comes from a poor understanding of blockchain's nature and potential and how radically it can affect the business. It is a change that will bring many implications, and it is a challenge many large businesses are unwilling to accept so far.

Fortunately, a growing number of enterprises see the point in at least trying to fit blockchain into their existing systems and applications.

Blockchain use cases in mobile applications

It is most likely that the major use of blockchain in mobile apps is to make mobile payments safe. With the use of blockchain in mobile apps, more mobile phone users will be able to trust mobile banking using secure mobile apps.

Blockchain technology is increasingly becoming popular, and many industries have been impacted by its use. This technology has already revolutionized industries, including healthcare, finance, real estate, and education.

To understand how blockchain is disrupting the mobile app development segment, let's take a look at how it is benefitting mobile app developers.

- **Blockchain will address in-app purchase issues**

One of the primary issues faced by users is related to the problem of making in-app purchases. Even though a major portion of the world's population is now under the influence of smartphones, they are yet to master the means of proceeding with in-app purchases. The usual method of making such purchases mostly include the use of credit or debit cards. The multiple steps involved in such transactions possess the increased liability of fraudulence, card-processing fees, gateway fees,

app store fees, and bank transfer fees. In the end, this entitles the developer to use only 70% of the amount paid. Utilizing Bitcoin's decentralized model through the use of an app coin reward system, developers can now receive an 85% share of payments made. Also, in-app purchases can become faster and easier to use as it eliminates the need for credit/debit payments.

- **Blockchain provides increased data security**

One of the main concerns among both mobile app developers and users is security. With data breaches happening worldwide on a massive scale, people tend to stay away from apps as they fear an invasion of privacy. When apps are developed with Blockchain, it can increase data privacy, thus making the apps more secure. Its encryption technique is considered impassable since all the data is encoded and saved with a cryptographic hash. And because of its decentralized architecture, the risk of third-party apps causing chaos is less. Also, with blockchain, there is a timestamp attached to every transaction. It makes data manipulation and redefining operations almost impossible. It is a great boon for mobile application developers and end-users.

- **Blockchain brings transparency**

The decentralized system records all the transactions in the public ledger, allowing anyone to track them as and when they want to. It brings transparency and reduces the risk of any fraudulent transaction or made-up information.

The entire system is thus tamper-proof. Also, as the solution is scalable, if you are developing mobile apps using blockchain, you can quickly scale in several end-users.

Moreover, Blockchain guarantees the safety of mobile apps even when you are upgrading the features.

- **Blockchain offers high reliability**

Blockchain is capable of increasing the reliability of a mobile application as it has a robust and reliable infrastructure. Blockchain nodes are dispersed worldwide, and they are in sync with each other. Thus, it makes sure that the same copy of the data is imitated across numerous devices present in different settings.

Due to its decentralized system, there is less chance of the system crashing or collapsing. Since the data in each block gets processed in several locations, it is more reliable.

- **Blockchain is easy to implement**

You can't deny the fact that developing a new blockchain is a difficult task, but implementing it is quite easy.

When you deal with complex technology, it demands more time and effort to implement and integrate, thus increasing the app development cost and maintenance as well.

However, blockchain takes away the problem as developing mobile-based blockchain applications is simple. It saves time and ensures cost-efficiency for mobile app developers, whilst enabling you to offer a feature-rich mobile app to your customers.

- **Improved Security of Mobile Payments**

Conveying transactions over a peer-to-peer network using Blockchain technology ensures that contactless mobile payments can be made faster, more secure, and more reliable. Developers can affordably establish and maintain peer-to-peer payments by integrating their utility into their applications. This is done through thousands of privately owned devices called 'nodes' which further adds assurance to the whole process by eliminating any chance of undergoing downtime as it is not possible for all of the nodes to crash at the same time.
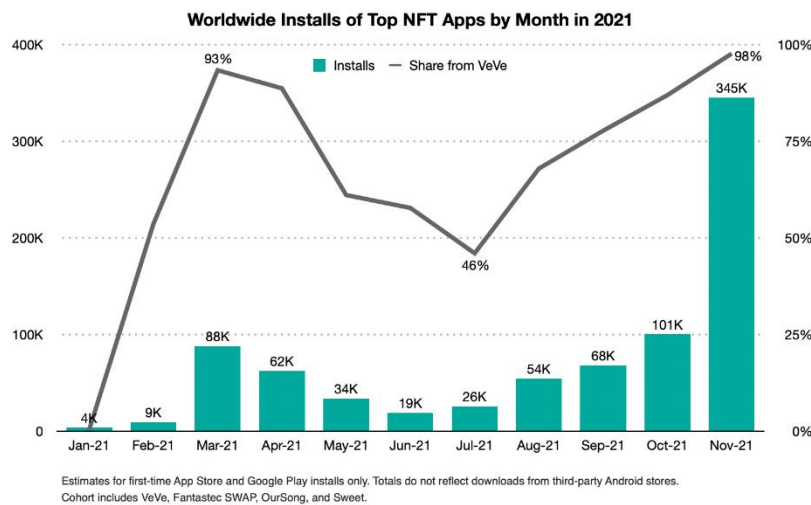
- **Easy accessibility of tools**

Blockchain tools and processes are easily accessible to developers. Moreover, this technology is open-sourced, and thus you can suggest changes that can result in improved blockchain implementation. It is even capable of storing data permanently, which can't be modified and can be retrieved anytime, anywhere.

- **Blockchain will develop the advertising model**

Blockchain is sure to change the entire landscape of the advertising model for developers. Currently, app developers are required to invest in an advertisement through a 'cost per installment' campaign ordeal to broadcast the app to the widest possible audience. This scheme, however, involves several middlemen who deduct a small portion of the proceeds from each sale made, which eventually reduces the amount that trickles back to the developer. Through the application of the Blockchain model, the cost-per-installment model is then swapped by a more efficient cost-per-strategy approach. This involves the use of an app coin reward system which gives back to users for the time they spend on the app. This method eliminates the need for any middlemen as the users will now use virtual coins to transact all in-app purchases, putting the money directly into the developer's pocket.

- **New revenue model for app developers and users**

Blockchain and NFTs can bring a new model of revenue for mobile app market players. Mobile game players can convert their game virtual goods to NFT and earn money and game developers also can sell some rare game items in NFT format to players and collectors.

Worldwide Installs of Top NFT Apps by Month in 2021

Estimates for first-time App Store and Google Play installs only. Totals do not reflect downloads from third-party Android stores. Cohort includes VeVe, Fantastec SWAP, OurSong, and Sweet.

Line Graph1 - Showing NFT App installs

Wrapping-Up

Blockchain technology is constantly evolving and will address mobile app-related issues so that you can offer improved customer services .

Considering all the benefits, you should incorporate app development with blockchain so that you can provide enhanced customer service.

Businesses require digital transparency, customers' trust, and liability, which blockchain can provide. It will help you stay ahead of your competitors.

Everyone, from independent developers to top mobile app development companies realizes the promise that blockchain holds as a decentralized database. As mobile transactions gain more momentum in the coming years, and blockchain-based apps will continue to grow in popularity.

Bonti as a Web3 gateway for mobile applications

Bonti will offer the following feature to app developers and app users:

- For developers:
  - App developers with no technical knowledge about cryptocurrencies and blockchain can easily add a Bonti crypto payment gateway to their applications.
  - App developers can have access to the Bonti NFT marketplace to sell in-app NFTs.
  - App developers can benefit from a transparent financial relationship between the Bonti platform, users, and themselves.
  - Thank to crypto payment and in-app purchase with Bonti token, app developers can get more users who have no access to Int. payment system such as Visa or Master Card.
  - App developers can earn rewards based on their activities and users' satisfaction. Bonti reward mechanism for developers will be introduced in detail in the next chapter.
  - Also, they will be able to use the coming feature of the Bonti platforms such as Metaverse and advertising infrastructure.

- For users:
  - Users with no access to conventional payment networks, can use Bonti tokens to pay for in-app purchases.
  - App users get rewarded based on their activities on the Bonti platform. Bonti reward mechanism for app users will be introduced in detail in the next chapter.
  - App users can convert their in-app virtual goods to NFT and sell them on Bonti the NFT marketplace.

Bonti Solution architecture

It is not a very easy task to incorporate blockchain technology in a mobile app development project, and it is still harder to make them secure. Skilled mobile app developers who are well-versed in blockchain app development are still lacking in the industry.

Thus, it is very important to set up the right standards and use the right tools for encouraging more developers to enter the field. Here are a set of tools and modules that Bonti implemented to help app developers in applying blockchain technology to their mobile app development project conveniently and make blockchain app development easy.

Bonti provides a platform for application developers to easily add blockchain capabilities such as in-app purchases and NFT features to their applications. With the help of Bonti, developers can benefit from blockchain and Web3 capabilities without having technical knowledge in the field of blockchain and cryptocurrencies and without paying a high fee.

On the Bonti platform, both app users and developers also receive Bonti token rewards relevant to their activities.

Bonti solution components are as follows:
- Bonti web dashboard
  - App developer dashboard
  - App client (user) dashboard
- Bonti mobile application

- o Mobile app download center (app store)
- o Crypto wallet
- o Social network
- o DApp browser
- o NFT marketplace
- o Bonti token
- o Reward mechanism

Each of these components will be briefly described below.

App developer's dashboard

Developers in the web-based dashboard get reports on the performance of their apps along with financial reports, several received tokens in the airdrop process, ranks of their apps, the amount of time spent by users in these apps, and other related information in the form of graphs and charts.

The dashboard has the following features:

- Add a new app to the app store by the developer
- Add purchasable items to the in-app payment mechanism
- Manage apps added by the developer
- Responding to the comments
- Editing programs added by the user
- Developer wallet management
- Making transactions inside and outside the platform
- Financial report of developer's apps
- Submit a ticket for support

App client's dashboard

In the User Side Dashboard, clients will receive detailed reports of the amount of time they spend on apps, how much they earn, how many tokens they receive in the airdrop process and other financial information about their activities on the Bonti App Store.

The dashboard has the following features:

- List of applications installed on user devices
- Report apps, games, and updates
- The status of all user devices
- Apps usage by day, week, and month
- Personal wallet access and management
- Wallet balance
- Ability to transfer tokens to wallets within the Bonti platform
- Ability to transfer tokens to wallets outside the Bonti platform
- Report user transactions according to the applications through which the transaction was made
- Support Multiple languages like Farsi and English

Mobile app download center (app store)

Bonti app store (application store) is an online portal through which Android and iOS software programs are made available for procurement and download. Like many app stores, Bonti has services such as searching, ranking, sorting, commenting, categorization, and so on. The two competitive advantages of the Bonti App Store are that the platform provides revenue for both developers and users and in-app purchases can be handled by Bonti token. In other words, people who don't have access to Int. payment systems such as PayPal or Visa or people who are concerned about their privacy can use cryptocurrency to purchase items on the Bonti platform.

Bonti app store's key features and capabilities are:

- Download, install and update Android applications
- Various categories for apps and games
- Users can comment on applications
- The possibility of liking and disliking the comments of other users
- Ability to respond to other users' comments
- Easy user registration
- Simple and modern user interface

- Support Farsi and English
- Ability to rate programs
- Program details such as volume, number of installations, etc.
- View the program update report
- Suggest similar programs
- Installing the desired program on the Android device by scanning the QR
- Online support for web users

Custodial crypto wallet

A cryptocurrency wallet is a software program that stores your cryptocurrency keys and lets you access your coins. In the Bonti platform, all payments must be made by Bonti token. The crypto wallet embedded in the Bonti App Store manages all receipts and payments completely and securely.

In the Bonti platform wallet, the private keys are held securely by Bonti. Meaning, the Bonti for simplification, has full control over your funds while you only have to permit to send or receive payments. If users don't trust the Bonti wallet, he/she can send his/her fund to a non-custodial wallet in which he/she has full control over the fund.

Social network

It is a social network dedicated to mobile applications with the possibility of creating channels and groups and is a platform for interaction between users and app developers.

DApp browser

It is a source for introducing, categorizing, and classification of all DApps to platform users. A mobile decentralized app (DApp) browser is a combination of a messaging interface and a UX that enables users to interact with decentralized applications.

Bonti DApp browser has the following features:

- Fully functioning Web3 browser that can be used to interact with any decentralized application (DApp)
- Meticulously crafted tool that provides a seamless, simple and secure connection between you and any decentralized application (DApp) on the Tron network, or the Ethereum network
- Integrated interface that is fully optimized for mobile so you can enjoy the content designed specifically for your device

NFT market place

An NFT, or non-fungible token, is a digital asset that represents real-world objects such as art, collectibles, games, and music. They are, essentially, collector's items that have been digitalized and sold online. As the name "non-fungible token" suggests, each NFT is a unique, one-of-a-kind digital item.

Bonti NFT marketplace is a digital platform for buying and selling mobile app NFTs. These platforms allow users and developers to store and display their NFTs plus sell them to others for Bonti tokens. Bonti NFT marketplaces also allow users to mint their NFTs on the platform itself. In exchange for a Bonti NFT marketplace fee which must be paid by Bonti token, the NFT marketplace will typically handle the mint and transfer of an NFT from one party to the other.

Bonti token

Bonti token is a TRC-20 token with 369.000.000 units. The token has the following use:

- To reward app users and app developers based on their activities
- To pay Bonti service fees in the NFT marketplace and Metaverse and other future services
- For airdrop users

Reward mechanism

Bonti users (app users and developers) get rewarded daily based on 7 parameters:

- Application usage time
- Like and dislike
- App ranking
- Number of app comments and replies
- How many times the app is downloaded
- Amount of financial transaction (in-app purchase)
- Referrals

The more spending time on applications, the more likes/dislikes and comments, and the more referral generate, more rewards for a user. On the other side, application developers get rewarded based on their app usage time, ranks, average like and dislike the app receives, number of downloads, amount of in-app purchase, and no. of developers they invite to the platform.

Bonti token holders can sell their tokens in the market (exchanges) or spend them to use platform services.

Bonti's reward mechanism will be described in detail in the next chapter.

Bonti Solution in Detail

In this section, the details of the Bonti reward system will be explained. The Bonti platform is designed in such a way that its stakeholders can be compensated. Bonti stakeholders are the following:

- Bonti platform developers
- Mobile application users
- Mobile application developers
- Advertising agencies
- Research institutions

Bonti Platform developers

They develop the Bonti platform which consists of an app store, a crypto wallet, a social network, a DApp browser, an NFT marketplace, and Bonti token. It should be noticed that the platform may develop other services based on its roadmap (such as Bonti Metaverse) and market demand.

Bonti modules will equip app developers with blockchain tools and act as a gateway to the Web3 world. With the Bonti platform, app developers can benefit from crypto, NFTs, and Metaverse capabilities easily and cost-effectively.

Mobile application users

You as a mobile application user can earn Bonti tokens by downloading and using applications, ranking them, posting comments, inviting others to the platform, and liking/disliking applications. In another word, to get a Bonti token you don't need to do something special. While you are using daily mobile applications such as Instagram, WhatsApp, Facebook, Twitter, etc. if you download Bonti mobile application, you can get a Bonti token.

Mobile app developers

You as a mobile application developer also can get a Bonti token if your users install the Bonti application on their smartphones. By using your application, downloading your application, inviting another developer to the Bonti platform, and doing other activities, you can easily receive Bonti tokens.

In addition, by putting Bonti modules such as crypto wallet, into your application you can also take advantage of blockchain and cryptocurrencies such as in-app purchases by crypto, NFT marketplace, etc.

Advertising agencies

Since in the Bonti platform all payments are accomplished with cryptocurrencies and any financial deals among platform players are supported

with smart contracts, the financial relationships among stakeholders such as advertising agencies, platforms, developers and app users are transparent.

So advertising agencies to run commercial campaigns don't need to trust platform reports.

Research institutions

As Bonti is an open and transparent platform, it gathers valuable data to be processed by research centers to prepare valuable analytical reports on the behavior of mobile users, the market of mobile applications, etc mentioned above, 7 main criteria affect app users and developers' reward. The mechanism and formula to calculate the reward are discussed below.

Application usage time

On the Bonti platform, app users receive points based on the amount of use (per hour) of applications installed on their smartphone. This score affects the number of

rewards they receive. It should be noted that to receive a reward, users must first of all download and install the Bonti application.

Since each application's category affects the application's rate of use, the time spent according to the category of that application should be multiplied by a factor. For example, a user generally spends more time in social media applications than in the finance app category. To normalize usage time, we proposed the following coefficients:

To calculate these coefficients, we use time consumption in mobile applications reports in 2021.

Category	Time consumption (min/day)
Social	55.5
Game	16.7
Entertainment	13.5
Sport	13.2
Shopping	13
Travel	10
Finance	6

Table 1 - Mobile application time consumption

Category	Coefficient (t_1)
Social	1
Game	3.33
Entertainment	4.13
Sport	4.2
Shopping	4.3
Travel	5.56
Finance	9.23

Table 2 - Mobile application coefficient

According to table 1, the amount of tokens for one hour of usage of an application for the app user and developer is calculated as below:

$T_{\text{amount of usage time}}$ (Developer) = $b_u \times \alpha \times t_1$

$T_{\text{amount of usage time}}$ (User) = $b_u \times \beta \times t_1$

$\alpha = 0.2$

$\beta = 0.8$

$b_u = 5$

t_l = coefficient in table 1

In the formula, α and β are the shares of the developer and user of an application from the generated reward which is one token for one hour of the app usage and b_u is the degree of importance of the app category compared to other categories.

Like and dislike

Depending on the number of likes and dislikes that a user posts on the platform and the degree of importance of the application, the user gets rewarded. If a user likes or dislikes an application, he/she gets rewarded but depending on the popularity of an application (No_{like} - $No_{dislike}$), an app developer may get rewarded or be fined.

$T_{like\ and\ dislike}$ (User) = $b_L \times (No_{like} + No_{dislike})$

$T_{like\ and\ dislike}$ (Developer) = $b_L \times (No_{like} - No_{dislike})$

No_{like} = Number of likes

$No_{dislike}$ = Number of dislikes

b_L = 1

b_L is the degree of importance of the app category compared to other categories.

App ranking

If a user just rates an application, no matter the post of 1 star or 5 stars, he/she gets rewarded but depending on the rating status of an application, an app developer may get rewarded or be fined.

$T_{Ranking}$ (User) = $b_R \times No_{rating}$

$T_{Ranking}$ (Developer) = $(-2\ b_R \times S_1) + (b_R \times S_2) + (2\ b_R \times S_3) + (5b_R \times S_4) + (15b_R \times S_5)$

S_n = n star rates with an app receive

by = 3

Number of app comments and replies

Depending on the number of comments and replies that a user posts on the platform and the degree of importance of the application, the user gets rewarded.

$$T_{comments\ and\ replies}\ (User) = b_c \times No_{comments\ and\ replies}$$

On the developer side, the number of comments received for an application cannot determine its developer reward alone, because an inefficient app may receive a lot of negative comments. Therefore, to calculate the reward, the app rating must also be included in the formula.

$$T_{comments\ and\ replies}\ (Developer) = b_c \times No_{comments\ and\ replies} \times rank\ (app)$$

$No_{comments\ and\ replies}$ = Number of comments and replies

$rank\ (app)$ = application ranking score

$b_c = 2$

How many times has the app been downloaded

Depending on the number of apps that a user downloads from the Bonti platform and the degree of importance of the application category, the user gets rewarded.

$$T_{download}\ (User) = b_d \times No_{download}$$

On the developer side, the number of downloads of the application, the average download of the applications in that category, the rank of the application, and the average ranking of the applications in that category affect the reward.

$T_{download}\ (Developer) = b_d \times 10;$ if $\{(\ No_{download}) \geq (No_{download})_{Avg}\}$ and $\{(rank) \geq (rank)_{Avg}\}$

$T_{download}\ (Developer) = b_d \times 2;$ if $\{(\ No_{download}) \geq (No_{download})_{Avg}\}$ and $\{(rank) < (rank)_{Avg}\}$

$T_{download}\ (Developer) = b_d \times 5;$ if $\{(\ No_{download}) < (No_{download})_{Avg}\}$ and $\{(rank) \geq (rank)_{Avg}\}$

$T_{download}$ (Developer) = $b_d \times 0$; if $\{(\ No_{download}) < (No_{download})_{Avg}\}$ and $\{(rank) < (rank)_{Avg}\}$

$No_{download}$ = Number of application download

$(No_{download})_{Avg}$ = Average download of the applications in that category

rank (app) = Application ranking score

$(rank)_{Avg}$ = Average ranking of the applications in that category

$b_d = 7$

Amount of financial transactions (in-app purchase)

There is no reward for app users to make a financial transaction on the Bonti platform. But applications with higher amounts of financial transactions, make more rewards for their developers.

$T_{transaction}$ (User) = 0;

$T_{transaction}$ (Developer) = $b_t \times CR \times 0.05 \times T_{transaction}$ (User)$_{Developer}$;   if TPM (Developer) > A

$T_{transaction}$ (Developer) = $b_t \times CR \times 0.10 \times T_{transaction}$ (User)$_{Developer}$;   if TPM (Developer) > B

$T_{transaction}$ (Developer) = $b_t \times CR \times 0.15 \times T_{transaction}$ (User)$_{Developer}$;   if TPM (Developer) > C

$T_{transaction}$ (Developer) = $b_t \times CR \times 0.20 \times T_{transaction}$ (User)$_{Developer}$;   if TPM (Developer) > D

A, B, C, and D are constant numbers that will be determined by Bonti platform managers.

TPM (Developer) = Monthly developer financial transaction revenue

Transaction (User)$_{Developer}$ = Amount of token that a User spends for a developer

CR = Commission rate

$b_t = 6$

Referrals

There is no reward for app developers to invite other developers to the Bonti platform.

$T_{referal}$ (Developer) = 0;

$T_{referal}$ (User) = $(b_{ref} \times y) + (0.1 \times TRI)$

In $T_{referal}$ (User) formula, y is a constant digit with a value of 5 and TRI is the daily revenue of the invited user.

b_{ref} = 4;

Title	Abbreviation	Degree of Importance Coefficient
Application usage time	b_U	5
Amount of Like and dislike	b_L	1
App ranking	BR	3
Number of app comments and replies	b_C	2
How many times the app is downloaded	b_D	7
Amount of financial transaction	b_T	6
Referrals	b_{Ref}	4

Table 3 - degree of importance coefficient

Category	Utility Usage per hour	Category	Utility Usage per hour	Category	Utility Usage per hour
Apps		**Games**		**Others**	
Life style	4.2	Educational	0.6	Communication	1
Parenting	2.1	Word	0.7	Personalization	4.2
Finance	9.3	Casual	0.5	Social	1
Books and references	2.1	Puzzle	0.5	Photography	4.2
Art and design	4.2	Simulation	0.5	Video player	1.4
Music and Audio	1.4	Casino	0.3	Entertainment	4.2
Dating	1	Arcade	1	Tools	4.2
Sport	1.4	Trivia	0.8	Education	2.7
Health and Fitness	2.1	Adventure	0.4	News and magazine	1.4
Comics	2.1	Music	0.8	Business	2.1
Library and demo	4.7	Racing	0.6	Map and navigation	1.9
Medical	4.2	Role-playing	0.4	Productivity	3.1
Events	4.3	Strategy	0.5	Travel and local	2.8
House and home	4.3	Action	0.6	Food and drink	2.2
Weather	5.6	Board	0.4	Shopping	1.4
Beauty	2.1	Card	0.4		
Auto and vehicle	2.2	Sport	0.6		

Table 4 – Coefficient of Apps

The difficulty factor also affects the number of tokens distributed in rewarding for each person. so that depending on the time, according to the difficulty table below; The difficulty coefficient is multiplied by the value of the dedicated token.

Airdrop duration	Difficulty coefficient	Token allocation coefficient	The coefficient in the reward formula
First quarter	0	100	1
2nd quarter	20%	80%	0.8
3rd quarter	40%	60%	0.6
4th quarter	60%	40%	0.4
5th quarter	80%	20%	0.2
6th quarter	90%	10%	0.1
7th quarter	100%	0	0

Table 5 – Rewarding Mechanism Coefficient

How the Bonti platform works

In the first step, developers' apps will be located in the Bonti App Store in two categories of games and apps. At this point, all the apps have been obtained from the crawl operation, and the IAP (in-app payment) feature based on the platform's native token has not yet been provided for the apps. At this stage, users will be informed to install Bonti Store, in addition to the ability to download Bonti Store Center, use other features such as social and podcast player, DApp browser, etc. Also participate in the pre-registration stage to receive airdrop Bonti tokens.

During the project launch phase, the token airdrop will also start. Developers will also be notified of the follow-up phase (via email). In this email, the developers are informed that if you are not interested in participating in Bonti, let us know so we will unsubscribe your application from the platform.

At this point, an invitation link will be sent to developers which will take them to the temporary page of their pre-built dedicated dashboard. There, they will be informed

with all the benefits of participation on the Bonti platform, and to complete their registration, all they have to do is to deploy an in-app payment SDK to their applications. Then developers must send the new version of their application with a token in-app purchase to Bonti.

After this stage, the app sent by the developer is tested by the app evaluation and review department of Bonti and also tested in terms of IAP (in-app purchase)

functionality. If the application passes the evaluation phase, the Bonti platform sends the confirmation to the developer via email and directs the developer to complete their wallet address information in the dashboard. Developers either confirm the address created by the platform or enters their new address.

Note: In the evaluation phase of the app which has been described above, virus detection is performed simultaneously, and if the IAP feature is working properly and then found a virus, the application replaces the previous app in the Bonti app store.
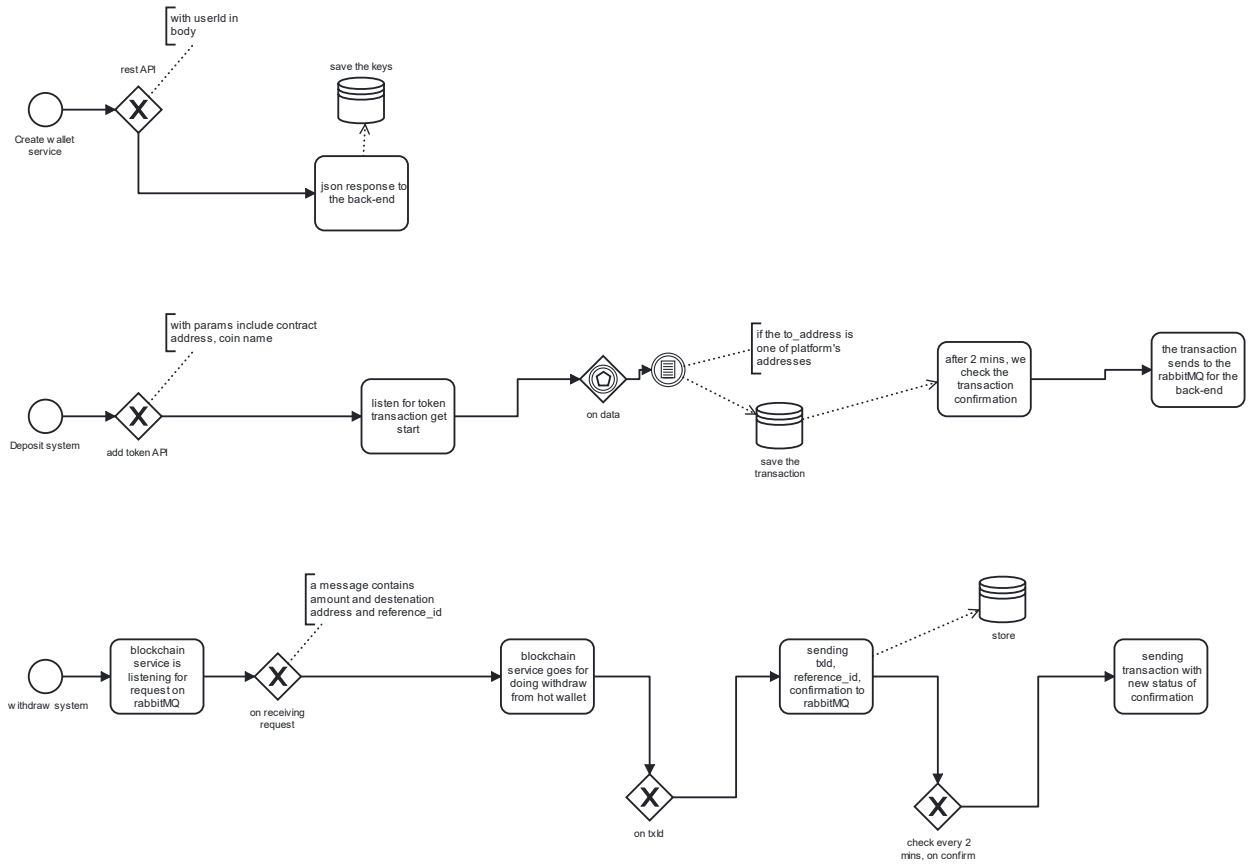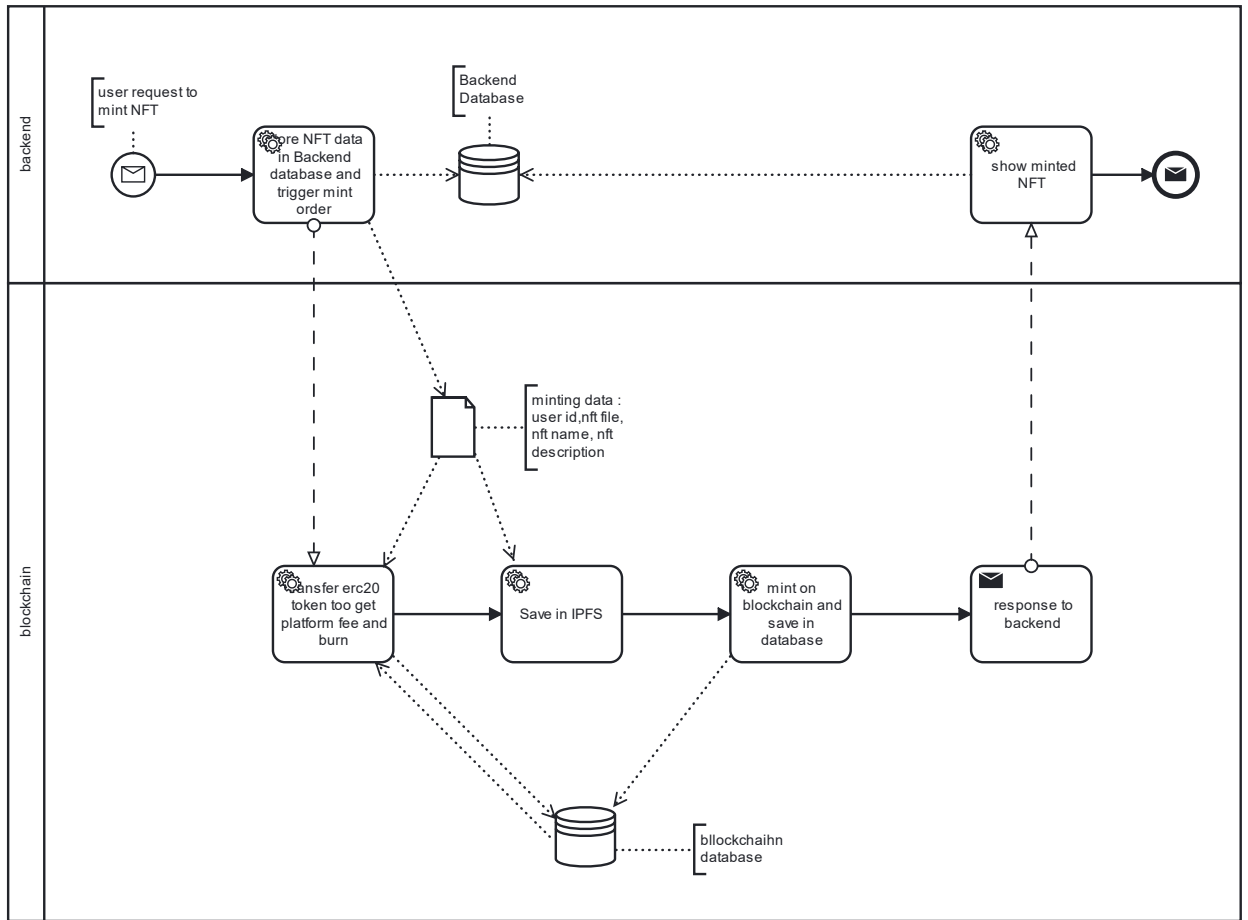
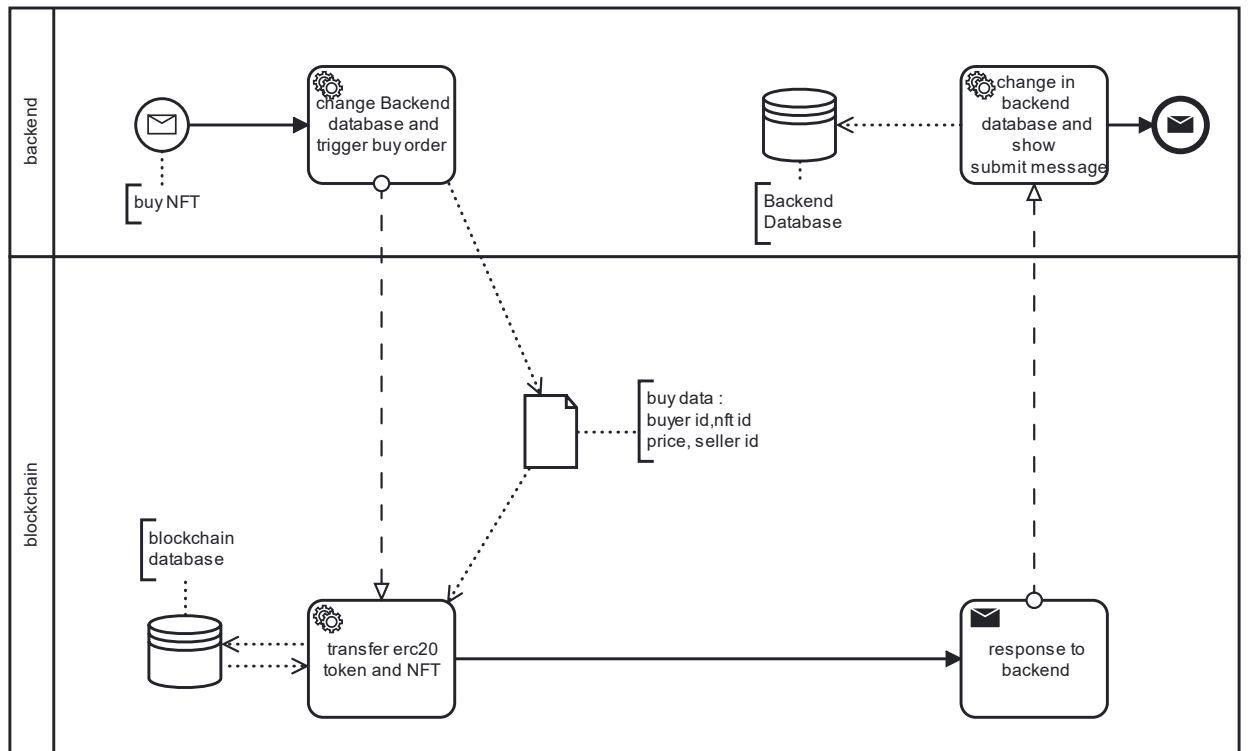*Figure 1- Workflow*

Figure 2 - Mint an NFT

Figure 3- Buy an NFT
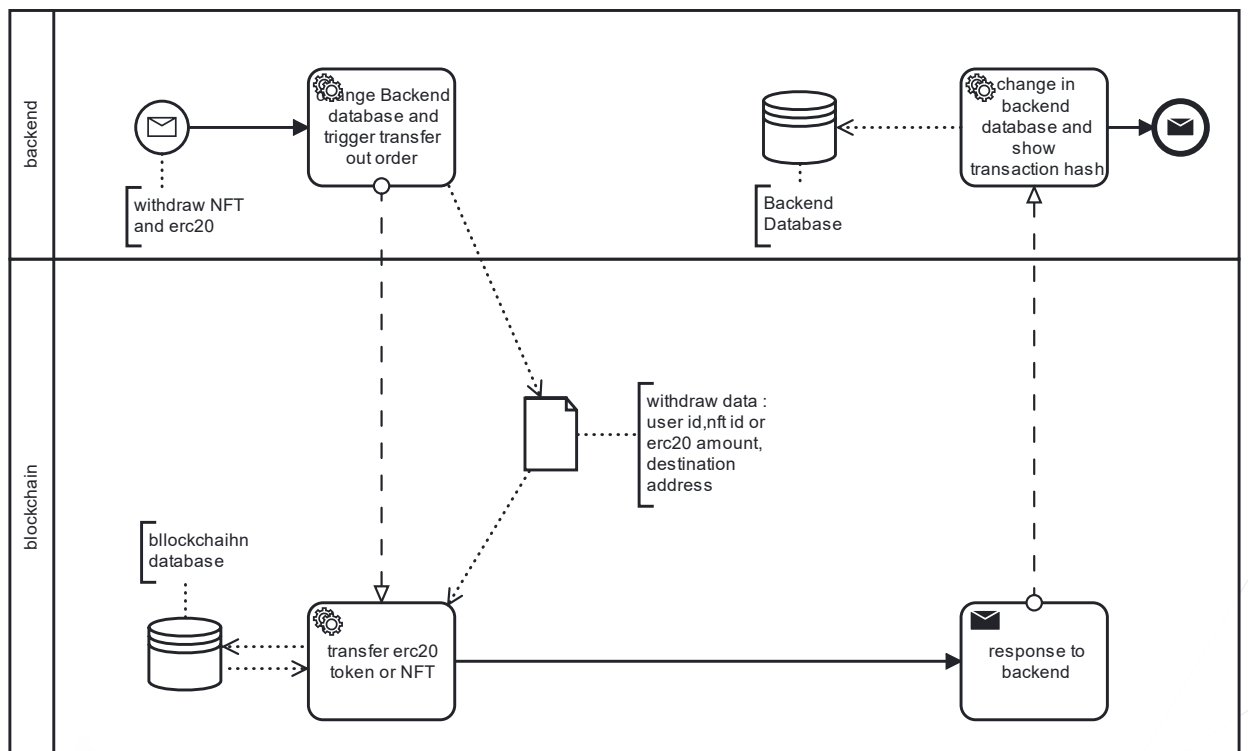
Figure 4 - Transfer an NFT

Bonti Token

Title	Description
Token name	Bonti
Token symbol	BONTI
Total supply	369.000.000 units
Bounty duration	18 months
Token for presale	123.000.000 units
Token type	Utility

Table 6 - Bonti Token
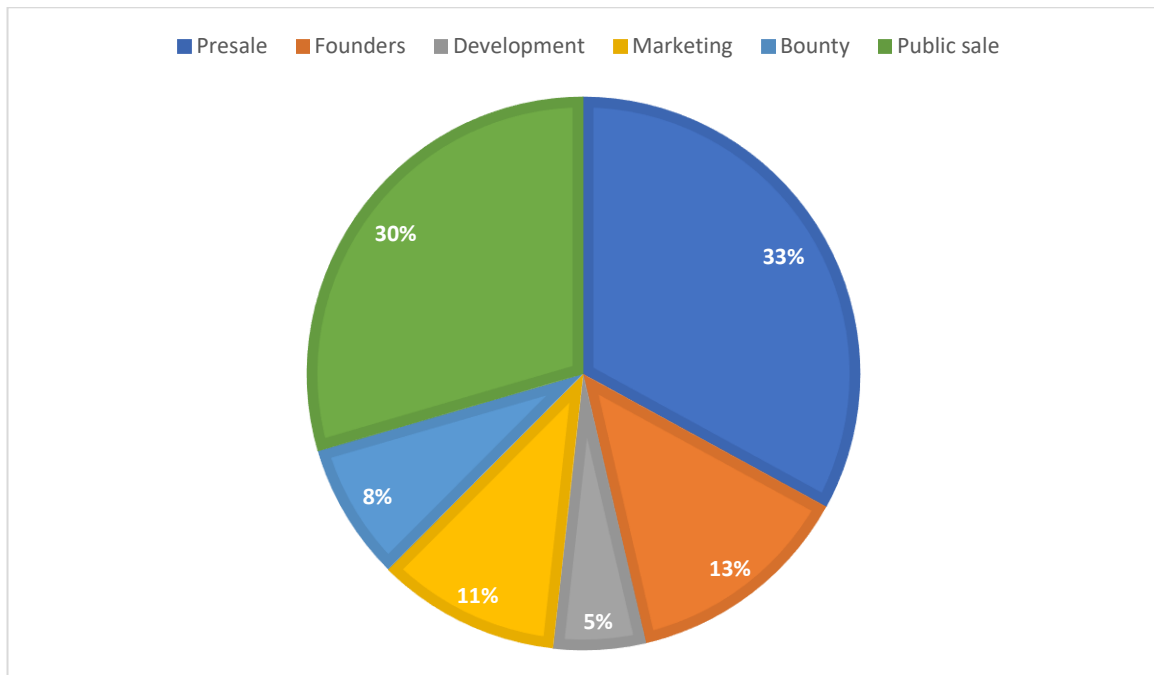
Pie Chart - Token Allocation

Anti-Fraud Mechanism

Fraud can be investigated from two perspectives: the user and the developer. From the developer's point of view: fraud can occur when "The average time used by the users of that application is more than the average time of the entire category and

from the users' point of view: The average time used by the user of all applications is more than the average time of other users.

Note 1: If the above cases occur: the system will lock the relevant IDs and the support department experts will check the behavior of suspicious users and developers so that the possibility of bots or non-human behavior is reduced to zero.

Note 2: When receiving the app from the developer and uploading it to the dashboard, its category must be checked so that it is its own category

Note 3: Due to the people although, 4.8 hours of using the application per day are the maximum usage of the user, and using more than this time is not subject to receiving rewards. This amount of time is for the first year and may change in the changer.
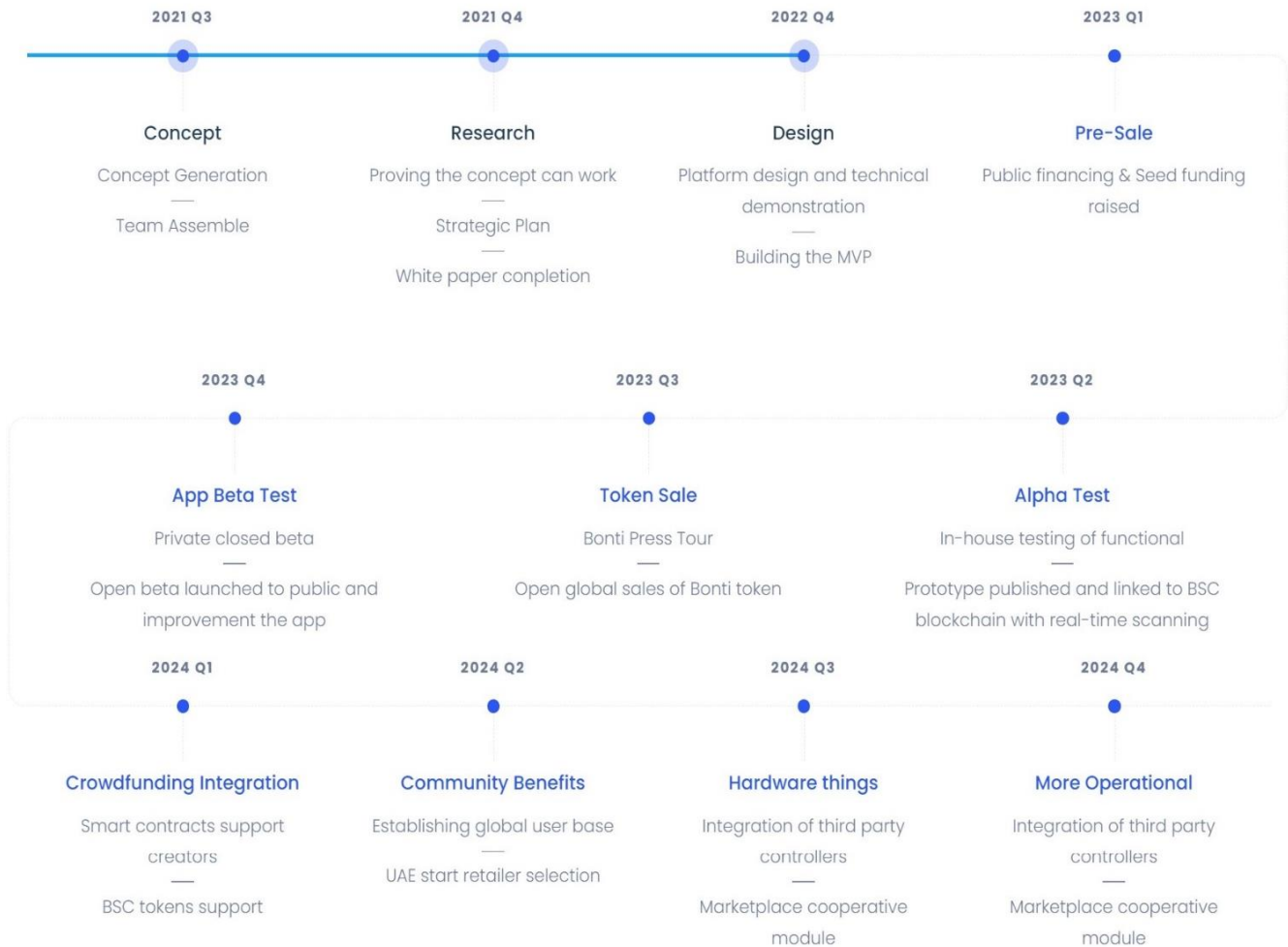
Disclaimers

The Bonti team has compiled this white-paper as reference only, in order to provide more information on the Bonti solution. The white-paper is not written to advise the investors to invest in Bonti team or the token. The white-paper is written "as-is", in other words, it was complied the current status in mind, meaning it may be subject to changes in the future.

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BONTI
BLOCKCHAIN SERVICES

Project Roadmap

Our team working hard to make archive the goals of our roadmap.

2021 Q3

Concept

Concept Generation
—
Team Assemble

2021 Q4

Research

Proving the concept can work
—
Strategic Plan
—
White paper conpletion

2022 Q4

Design

Platform design and technical demonstration
—
Building the MVP

2023 Q1

Pre-Sale

Public financing & Seed funding raised

2023 Q4

App Beta Test

Private closed beta
—
Open beta launched to public and improvement the app

2023 Q3

Token Sale

Bonti Press Tour
—
Open global sales of Bonti token

2023 Q2

Alpha Test

In-house testing of functional
—
Prototype published and linked to BSC blockchain with real-time scanning

2024 Q1

Crowdfunding Integration

Smart contracts support creators
—
BSC tokens support

2024 Q2

Community Benefits

Establishing global user base
—
UAE start retailer selection

2024 Q3

Hardware things

Integration of third party controllers
—
Marketplace cooperative module

2024 Q4

More Operational

Integration of third party controllers
—
Marketplace cooperative module

BONTI
BLOCKCHAIN SERVICES

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Tizbalbrowser Project manager

Electromagnetic wave absorber invention

Multi cutting stone technology Localization

intelligent telecommunications network platform

Content producer

2018 Top entrepreneur of the year

Sara Gharaee
CMO

NadinIdea CEO

Digital Marketing Manager at:

Research Institute of Petroleum Industry, Mammut

Group and Vira Diesel, Akhavan Group, Bsuperior.co

Campaign Manager at:

Rafouneh, Telavang

Marketing Courses Organizer

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Afshin Heydarpour — Blockchain Developer

Kamand Shayegan — flutter Developer

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