Whitepaper

By Quista Team

QUISTA

A Solve-to-Earn Project

2024

Contents

01 Introduction

Quista is a Web3 mobile application that revolutionizes learning by blending blockchain technology with gamified education. This innovative platform motivates students by rewarding their academic efforts with digital assets, making education both engaging and rewarding, and equipping them with essential digital skills for the future.

The Vision of Quista

Quista's vision is to create an engaging and rewarding educational experience that motivates students and prepares them for a future where technology and education intersect. By fostering a dynamic learning environment, Quista aims to make learning enjoyable and impactful, equipping students with the skills needed for a digital future. Ultimately, Quista strives to transform education into an interactive and fulfilling experience that promotes lifelong learning and success in a technology-driven world.

Why Blockchain?

By leveraging the immutable and transparent nature of blockchain, Quista ensures that all achievements and transactions are secure and verifiable, fostering a trustworthy environment. Blockchain provides a decentralized ledger that guarantees the integrity of student records and rewards, reassuring users that their efforts are permanently recorded and tamper-proof. Its transparency allows for clear tracking and auditing of activities, ensuring fairness and accountability in the reward system.

Educational Challenges

Traditional educational models often fail to engage students or recognize their efforts tangibly. Quista addresses this by quantifying student efforts, where each quiz and problem solved earns real-world rewards. This system bridges the gap between learning activities and tangible outcomes. Quista isn't just a token-earning platform; it enhances education with daily challenges, adaptive difficulty levels, and interactive content. It caters to diverse learning needs, offering personalized learning paths for students at various educational stages.

Empowering Students with Real Value

In Quista, every correct answer and every challenge overcome translates into digital assets that hold real economic value. This approach not only incentivizes learning but also introduces students to the fundamentals of digital finance and investment, skills that are increasingly important in the digital age.

02 Overview

Quista is an innovative Web3 mobile application that redefines the educational experience by integrating blockchain technology to motivate and reward students. At its core, Quista employs a unique gamification approach where students earn points by solving math questions and challenges, which can be converted into ERC20 tokens and exclusive NFTs upon reaching certain levels.

These rewards are stored securely within a built-in digital wallet, fostering a sense of achievement and providing real-world value. The app features a variety of educational content tailored to different proficiency levels, from Easy to Legendary, ensuring that students remain engaged and challenged irrespective of their skill level.

Furthermore, Quista incorporates an interactive marketplace for trading and leasing NFTs, enhancing the educational journey with a dynamic community element. This platform not only incentivizes learning through direct rewards but also introduces students to essential digital finance skills and the broader blockchain ecosystem, preparing them for future technological landscapes while enhancing their current educational outcomes.

03 Game Mechanics

Quista leverages a sophisticated game mechanic system to enhance the educational experience through daily math challenges. Users engage with a set of math questions that vary in difficulty, from Easy to Legendary, each day. This system not only rewards users based on their proficiency and challenge level but also includes a multiplier effect that enhances earning potential.

Experience Points System

> **What is Experience Point in Games?**
> An experience point (XP) in a game is a point earned by players through completing tasks or defeating enemies. These points allow players to level up and enhance their skills, making them stronger and enabling further progress in the game.

> **The Meaning of Experience Points in Quista**
> In the Quista, experience points (XP) plays a crucial role in both skill development and earning potential. As students solve math challenges, they accumulate XP, which not only tracks their progress and increases their level but also enhances their ability to earn valuable digital rewards, such as tokens and NFTs..

03 Game Mechanics

The questions are presented in a multiple-choice format, with immediate feedback provided to support learning. Additionally, the app restricts the number of mistakes allowed per day to maintain engagement and challenge integrity.

Level System

What is a Level System?

A level system is a common feature in many games and applications, where users progress through various levels by accumulating experience points (XP) or completing specific tasks. As users reach higher levels, they often unlock new features, gain additional abilities, or receive rewards. The level system serves as a way to measure progress, motivate continued participation, and increase the challenge as the user advances.

What is the Level System in Quista?

In Quista, the level system is designed to track and reward users' progress as they engage with the platform. By solving math challenges, participating in daily activities, and accumulating experience points, users can advance through different levels. As they reach higher levels, users unlock more advanced challenges, increase their earning potential, and gain access to exclusive rewards. The level system in Quista not only motivates users to continue learning but also enhances their overall experience on the platform.

03 Game Mechanics

Immediate Feedback:

After each question, users receive immediate feedback on their answer, helping them learn and adjust their strategies in real-time. Correct answers contribute to the user's point total, which can eventually be converted into digital tokens.

Tier System

What is a Tier System?

A tier system is a classification method where users are grouped into different categories based on their performance or achievement levels. Each "tier" offers specific advantages, rewards, or privileges. For example, in customer loyalty programs, there might be levels like "Bronze," "Silver," and "Gold," with higher tiers offering more benefits. This system is commonly used in video games, loyalty programs, and online platforms.

What is the Tier System in Quista?

In Quista, the tier system is a structured way to reward users based on their participation and achievements within the platform. As users engage with daily challenges, answer questions, and interact with the community, they earn points that help them ascend through different tiers. The higher the tier, the more substantial the rewards, encouraging users to stay active and strive for advancement. Conversely, lower tiers offer fewer benefits, motivating users to continually participate and improve in order to access the greater rewards available at higher tiers.

03 Game Mechanics

How to Play?

> **General Mechanic:** Quista leverages a sophisticated game mechanic system to enhance the educational experience through daily math challenges. Users engage with a set of math questions that vary in difficulty from Easy to Legendary. This system not only rewards users based on their proficiency and challenge level but also includes a multiplier effect that enhances earning potential.

> **Daily Math Questions:** Each day, users are presented with new math questions tailored to test their knowledge and problem-solving skills.

> **Difficulty Levels:** The app features a structured progression system with three core levels of difficulty: easy, medium, and hard. Success at each level unlocks the next, progressively more challenging set of questions. After mastering the hard level, users are rewarded with access to a special, high-stakes challenge called the legendary question

> **Multiplier Effect:** Each difficulty level comes with a corresponding multiplier. This system rewards users more significantly as they tackle more challenging questions.

> **Question Format:** Questions are formatted as multiple-choice, providing few possible answers to choose from. This format streamlines the process and facilitates easier user interaction.

Earning and Rewards: High performance and consistency can lead to additional rewards, enhancing the overall educational and gaming experience.

Mistake Allowance: Users are permitted to make two mistakes per day without penalty. Upon making a third mistake, users are temporarily locked out from earning more points for that day to encourage careful consideration and learning.

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08

04 NFT System

In Quista, NFTs are designed as customized digital assets, including both "Pencil NFTs" and "Eraser NFTs." Each NFT contains special abilities or bonuses that can significantly influence a student's in-app points and token earnings. These NFTs are not only crafted to create positive impacts within the educational process but also to enhance users' wallet balances by offering practical advantages

01 Interactive NFT's

Each NFT provides specific advantages related to the points and tokens earned by the student. For example, Pencil NFTs may extend the time for solving questions or boost token earning rates, while Eraser NFTs enable students to correct mistakes without sacrificing their rewards.

02 Marketplace

NFTs can be bought and sold in Quista's integrated marketplace. Users can purchase NFTs that meet their needs or sell their existing NFTs to other users.

03 Rental Option

Users can rent their NFTs to other students for a specific period. This creates a passive income opportunity for NFT owners and allows renters to benefit from certain advantages at a lower cost.

04 Special Events and Exclusive Rewards

Quista organizes special events and campaigns, offering participants a limited number of exclusive NFTs. These special NFTs provide features and advantages that are not normally accessible, further customizing the in-app experience for students.

O5 Marketplace

The marketplace in Quista serves as a dynamic hub, central to enhancing user interaction within the ecosystem. It facilitates the exchange of Non-Fungible Tokens (NFTs), which are pivotal to the user experience.

Features

- **Buying NFTs:** Users can explore and purchase a variety of NFTs, each with unique attributes and functionalities tailored to diverse user needs.
- **Mystery Boxes:** These boxes provide randomized NFTs, adding surprise and excitement to the purchasing process, potentially unveiling rare or exlusive items.
- **Enhanced Learning Opportunities:** Select NFTs unlock additional questions or enhance point earnings, encouraging deeper engagement in educational activities.
- **Tournament Participation:** Specific NFTs may qualify users to enter exclusive tournaments, adding a competitive edge to the learning experience.
- **Test Optimization:** Some NFTs allow users to skip or erase mistakes in tests, optimizing learning outcomes and performance.

05 Marketplace

These NFTs are not only valuable within the ecosystem for their utility and intrinsic worth but also play crucial roles in solving challenges, unlocking new opportunities, and even correcting mistakes during assessments.

Wallet Integration

- **Built-in Wallet:** Users receive a built-in wallet upon registration, designed for secure storage and straightforward management of digital assets, including cryptocurrencies and NFTs.
- **Web3 Wallet Integration:** Users can also integrate existing Web3 wallets like MetaMask or Trust Wallet, allowing direct access to decentralized finance (DeFi) assets and seamless interaction with the marketplace. This integration promotes interoperability and enhances the functionality of the marketplace by connecting users with a broader range of decentralized applications (DApps) and services.

06 Tokenomics

What is Token?

In blockchain technology, a token is a digital representation of an asset or service that exists on a blockchain. Tokens can have multiple functions, such as the **Quista** token, which promotes sustainability, rewards users, and provides in-app privileges to token holders.

What is Token Allocation?

Token allocation refers to the distribution of tokens within a blockchain project. This process involves deciding how many tokens will be created and how they will be divided among various stakeholders

01 Quista Token

The Quista token is the application's core currency, designed to reward users, facilitate trades, unlock premium features, and enable investment opportunities within the platform. It plays a pivotal role in the Quista ecosystem, supporting diverse applications that enhance user engagement and ensure the platform's long-term sustainability. Through the Quista token, users gain access to exclusive in-app privileges, making it an integral part of their learning and earning experience.

03 Treasury Utility

The Quista treasury plays a crucial role in maintaining the platform's financial health. It acts as an insurance fund, providing additional support for the reward system during times of market instability. By carefully managing the treasury, Quista can ensure that user incentives remain strong, even in challenging economic conditions, thereby promoting sustained engagement and growth within the platform.

02 Daily Emission and Distrubition

The distribution of Quista tokens is carefully managed through a periodic emission system, where a predetermined amount of tokens is allocated daily for rewards.
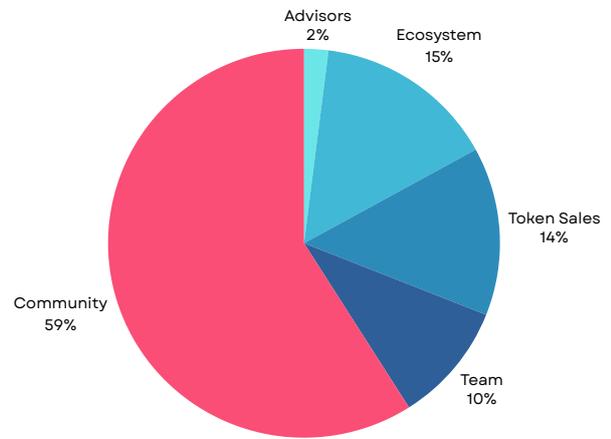
This approach ensures that the supply of tokens remains controlled, preventing inflation and maintaining their value. At the end of each day, tokens earned by users are distributed from this preallocated pool, ensuring fairness and predictability in the reward system.

Any unclaimed tokens are transferred back to the treasury, preserving the balance of the token economy and supporting future distributions.
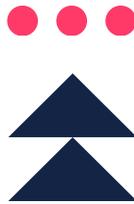
06 Tokenomics

Qusita Token Allocation

Token allocation in Quista is designed to strategically distribute tokens among key stakeholders to support the platform's growth and sustainability. The allocation plan ensures that each group—whether they are users, developers, advisors, or partners—receives a fair and purposeful share of the total token supply. This thoughtful distribution ensures that all participants are adequately incentivized, aligning their interests with the ongoing development and prosperity of the Quista ecosystem.

Advisors 2%

Ecosystem 15%

Token Sales 14%

Community 59%

Team 10%

59%
Community
The majority of tokens will be distributed to the community as incentives for active participation in the protocol which include rewards for solved questions and airdrops or participation in competitions.

15%
Ecosystem
Ecosystem will be given out to those who partner with Quista and for listing on exchange

14%
Token Sales
Allocated for sale participants.

10%
Team
Team token will be distributed to the team over 2 years

2%
Advisors
Advisors token will be distributed to the advisors.

07 Wallet

Point Accumulation

Students earn points for each problem they solve. These points are securely stored in the wallet. Once the designated threshold is reached, users can convert their points into ERC20 tokens.

The Quista wallet allows users to manage their in-app points and, after accumulating a certain amount, convert these points into ERC20 tokens which can then be transferred to their personal cryptocurrency wallets. The wallet includes fundamental features found in popular market wallets like Metamask and TrustWallet, while also offering custom functions tailored to Quista's specific needs.

Secure Storage

The wallet uses advanced encryption technologies to safely store users' points and tokens. If a user has previously created a wallet in the Quista app, they can import this wallet or create a new one. Users can also transfer a wallet from another wallet application into this one if they prefer not to create a wallet within the app.

07 Wallet

Easy User Interface

Offers an easy-to-understand interface, allowing students to easily track their points and perform functions such as token transfer, balance viewing, and transactions using QR codes without issues.

Multiple Wallet Support

Users can transfer tokens from other popular blockchain wallets to their Quista wallets. This feature makes the Quista wallet a central platform where users can manage their other crypto assets.

Transparency and Availability

All transactions are recorded on the blockchain, which enhances the transparency and traceability of operations. Users can see their earned points and token conversion history at any time.

08 The Quista Team

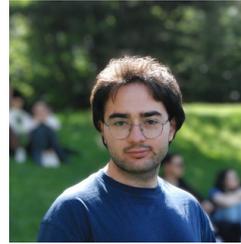Dr. Murat Osmanoğlu

Murat Demirbüken

Yasin Turan Öcal

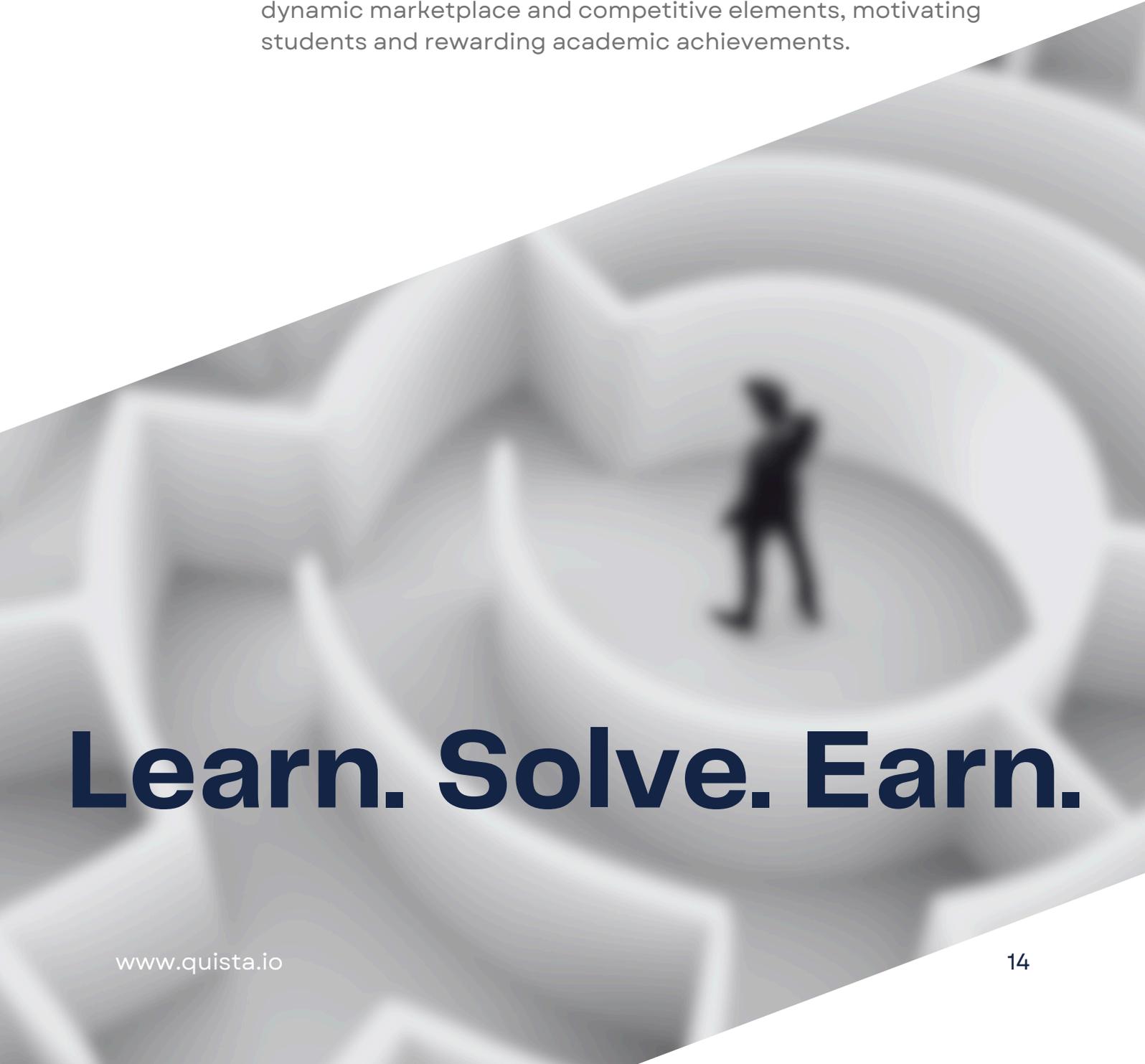Ümit Serdar Sözbilici

Sina Bagherzadeh Khiavi

Ahmet Zeki Uslu

Şerafettin Tayyip Özdemir

09 Summary

Quista is a groundbreaking Web3 mobile app that integrates blockchain technology to enhance education through gamified learning. Students earn points for solving challenges, which can be converted into ERC20 tokens and NFTs, managed in a secure wallet. The platform features a dynamic marketplace and competitive elements, motivating students and rewarding academic achievements.

Learn. Solve. Earn.

QUISTA

Thank You

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