

XTopPet Whitepaper

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1 What is XTopPet

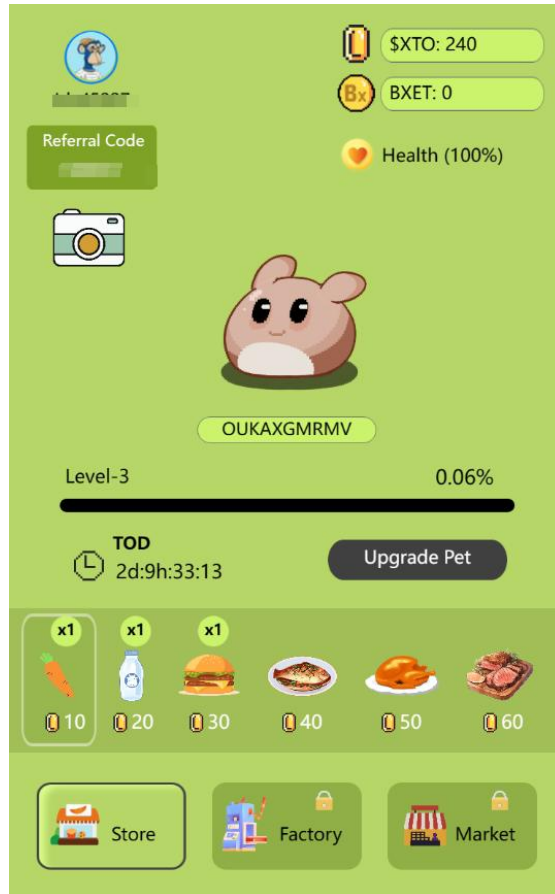
1.1 Game Introduction

XTopPet is a Twitter-based virtual pet social game, inspired by the widely beloved animated character "Totoro." This game combines social media interaction and blockchain technology to create a multifunctional gaming environment where players can nurture, train, and compete with others' pets.

The primary purpose of the game is to foster and deepen social connections through the virtual pet nurturing process. Players enhance their pets' abilities through various interactive activities such as nurturing pets, participating in PvP challenges, and completing Twitter tasks, thereby engaging with a global community of players.

1.2 Core Gameplay

The core gameplay of XTopPet revolves around nurturing and upgrading virtual pets within a vibrant and interactive social media setting. The game is seamlessly integrated with Twitter, allowing players to engage in various activities to enhance their pets' capabilities and social interactions. The main game interface is as follows:



1.2.1 Recharging and Currency Management

Players begin by recharging Ethereum (ETH) to purchase the in-game currency XTO. XTO is the foundational currency for all purchasing and trading operations within the game, including buying food, pets, and upgrade services.

1.2.2 Pet Nurturing and Upgrading

- **Buying pets:** New players can use XTO to purchase their initial pets. As the game progresses, players can also buy higher-level pets.
- **Feeding pets:** The growth of pets depends on regular feeding. Players need to purchase various types of food to maintain their pets' health and energy. Food types include carrots, milk, bread, etc., each with different energy values and costs.
- **Manual upgrading:** In addition to natural upgrades through regular feeding, players can opt to use XTO to manually upgrade their pets to the next level, rapidly enhancing their capabilities.

1.2.3 Competitive and Social Interaction

- **PvP challenges:** Once pets reach level 3, players can engage in leaderboard PvP, a competitive platform based on pet capabilities, where winners receive additional points rewards. Moreover, the arena PvP allows players to stake points in wagered battles, adding competitive and thrilling elements to the game.
- **Twitter tasks:** Players can earn additional XTO or points rewards by completing specific Twitter tasks, such as following the official account, liking, or retweeting posts, further enhancing the game's social elements.

1.2.4 Production and Economic Activities

- **Opening factories:** When pets reach level 7, players can open and upgrade their factories to produce "sweet dew sugar." This sugar is another important currency within the game, convertible into BXET tokens, which in turn can be exchanged for ETH, providing players with real economic returns.
- **Maintenance and profits:** The production efficiency of factories is affected by the factories' health values, requiring continuous investment in BXET for maintenance and upgrades to maintain optimum production speeds and maximize economic returns.

XTopPet aims to provide a deeply interactive and economically engaging gaming environment, allowing players to enjoy the fun of virtual pet nurturing along with rich social and economic rewards.

1.3 Overview of Currency System

XTopPet has designed three main currency systems to support the game's economic activities:

- **XTO (Game Coin):** This is the primary in-game currency used for purchasing food, pets, and pet upgrades. Players can buy XTO by recharging ETH.
- **Points:** Generated through daily pet activities and PvP matches, usable for participating in higher-level arena PvP and exchanging for ETH.
- **BXET (Token):** Obtained in factory production, used for purchasing production materials, upgrading, and maintaining factories. BXET can be exchanged for ETH, providing real-world value returns.

Name	Source	Usage	Exchange
XTO	Purchased with ETH	Buying food, purchasing pets, manual pet upgrades	None
Points	Produced during pet feeding, from leaderboard PvP	Used in arena PvP	Convertible to ETH
BXET	Obtained from exchanging factory-produced sweets	Buying production materials, upgrading and maintaining factories, repairing factory health	Convertible to ETH

2 Pet System

Pets are the core element of the XTopPet game, where their development and management directly impact players' progress and experience. The prototype for these pets is the "Totoro," a highly popular animal.

Here is a detailed description of the components of the pet system:

2.1 Pet Feeding

Players must regularly purchase and feed their pets to maintain their vitality and health. The game offers a variety of food options, each with specific energy values and costs:

Food Type	Energy Value	Energy Price (XTO)
Carrot	100	10
Milk	200	20
Bread	300	30
Fish	400	40
Roast Chicken	500	50
Steak	600	60

Players can directly buy food on the "Pet" page, and the system will automatically feed the pets after purchase. Players can buy up to three days' worth of food at one time. The table below shows the daily energy requirement for pets at different levels:

Pet Level	Daily Required Food Energy
Lv1	0
Lv2	250
Lv3	300
Lv4	350
Lv5	400
Lv6	450
Lv7	500

2.2 Pet Upgrading

Pet growth and upgrades are crucial for player progression within XTopPet. The following are the specific pathways and details for pet upgrading:

2.2.1 Auto-upgrade through Feeding

Pets can be upgraded by regularly feeding them, with the required food energy accumulated over set days. Players must ensure pets receive sufficient energy within these days to automatically upgrade to the next level. Upgrade Requirements Table:

Pet Level	Upgrade Days	Required Food Energy
Lv1→Lv2	1	0
Lv2→Lv3	3	750 (250 per day)
Lv3→Lv4	4	1200 (300 per day)
Lv4→Lv5	5	1750 (350 per day)
Lv5→Lv6	6	2400 (400 per day)
Lv6→Lv7	7	3150 (450 per day)

2.2.2 Manual Upgrade Payment

If players wish to upgrade their pets faster, they can opt for a manual upgrade. The cost for manual upgrading is calculated based on the required food energy's XTO value. Upon payment of the appropriate XTO, pets are immediately upgraded to the next level.

- **Cost Calculation:** The total required food energy is directly converted into the XTO expense. For example, upgrading from level 2 to level 3 would cost 75 XTO if each energy point is valued at 0.1 XTO.

2.2.3 Shop Purchase of Higher-Level Pets

For new players or those wishing to quickly obtain higher-level pets, the game store offers a one-time purchase option. This allows players to directly buy pets of any level, but each account is limited to one such purchase.

Purchase Rules:

- Each account can only make one purchase of a higher-level pet.
- Pet prices are based on their level and corresponding market value.

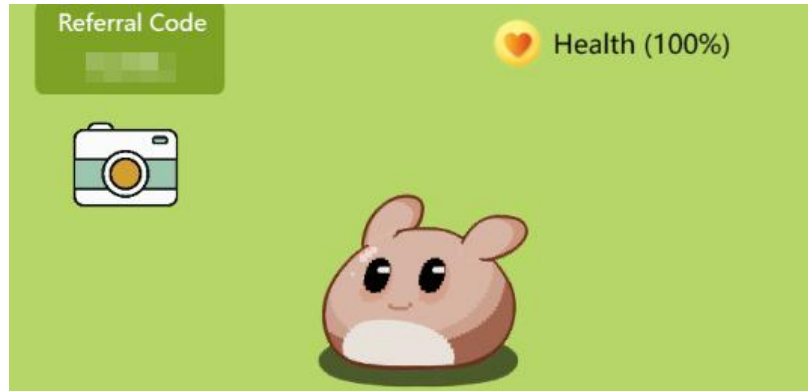
These three pathways for pet upgrading allow players to choose the most suitable upgrading method according to their strategy and game progress. This diversity of choices enhances the interactivity and strategic nature of the game, offering flexibility for players at different levels.

2.3 Pet Point Output

Pets not only maintain vitality through feeding but also produce points, which can be directly exchanged for ETH, providing players with real economic benefits. Below is the pet point output table:

Pet Level	Daily Output Points	Total Output Points at This Level
Lv1	0	0
Lv2	1500	4500 (3 days)
Lv3	2000	8000(4 days)
Lv4	2500	12500 (5 days)
Lv5	3000	18000 (6 days)
Lv6	3500	24500 (7 days)
Lv7	4000	Unlimited

2.4 Health Value



A pet's health value is a crucial indicator of its vitality. Through proper feeding and management, players can ensure their pets are in optimal condition, thereby maximizing progress and returns in the game. Factors affecting pet health value include:

- The pet's health value starts at 100% and gradually decreases if not fed.
- Feeding immediately restores health to 100%.
- If a pet is not fed for over seven days, it will die.
- The health value of a pet also affects the production efficiency of factories.

3 Store and Market

In the XTopPet project, the store provides a basic function for players to purchase pets, which serves as a

starting point for initial and advanced interactions within the game. Initially, the store's function is limited to pet purchases, with plans to expand capabilities to meet varying player needs in future updates.

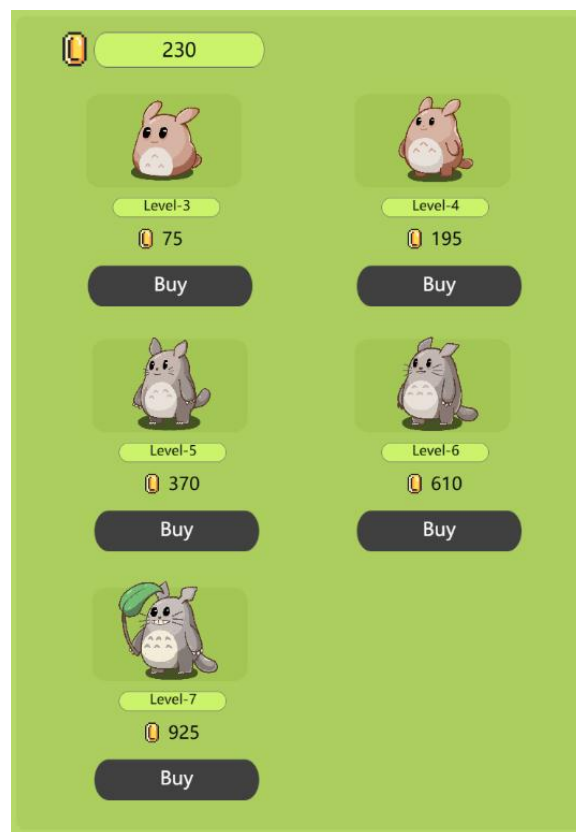
3.1 Store Functions

3.1.1 High-Level Pet Purchases

Players can buy higher-level pets in the store, a quick way to accelerate game progression. Each account is limited to a single purchase, allowing players to strategically choose the right timing for their purchase.

Purchase Rules:

- Each account is limited to one purchase opportunity.
- Pets are priced based on their level and capabilities.
- High-level pets available for sale are provided by platform.



3.1.2 Future Store Updates

While the current store functions primarily focus on pet purchases, future updates will significantly expand the store's capabilities, introducing diverse purchasing options to meet the growing needs of players. Planned expansions include:

- **Equipment Purchases:** The store will add options to purchase equipment that pets or combat characters can use to enhance their combat abilities and special skills. Equipment will vary from weapons that boost attack power to armor that enhances defense.

- **Auxiliary Combat Character Fragment Purchases:** Plans are in place to introduce fragments of auxiliary combat characters, similar to the "Angel" in the XPet project. These character fragments, based on the ERC 404 NFT protocol, allow players to assemble complete auxiliary combat character NFTs by collecting sufficient fragments. These characters will provide unique support or enhancements in battle, offering strategic advantages to players.

These future updates will transform the store from a mere pet purchasing location to a crucial platform for strategic planning and deepening gameplay experiences. By continually expanding the in-game purchasing options, XTopPet aims to provide a more diverse and dynamic gaming environment.

3.2 Market Functions

3.2.1 Factory Raw Material Purchases

In XTopPet, the market is a critical economic platform designed for advanced players, specifically those whose pets have reached level 7 and have unlocked factory capabilities. The market primarily supplies raw materials needed for advanced production activities, such as the production of jelly candies.

The screenshot shows a 'Raw Materials' market interface with a green background. At the top left, there is a 'Raw Materials' tab. Below it, a price of 128.57 is shown next to a gold coin icon. The main area displays three items for purchase:

- Jelly Powder:** Price 17.28 g, Inventory 9950 g, Price per unit 0.0307/g (+2.3%), Volume input: min 10 g, Buy button.
- White Sugar:** Price 13.64 g, Inventory 4470 g, Price per unit 0.0205/g (+2.3%), Volume input: min 10 g, Buy button.
- Green Tea:** Price 54.55 g, Inventory 2940 g, Price per unit 0.0512/g (+2.3%), Volume input: min 10 g, Buy button.

- **Market Unlock Conditions:** Upon reaching level 7 with their pets, players automatically unlock the market function, allowing them to purchase essential production materials. This feature ensures that players have

sufficient gaming experience and resource management capabilities to make more complex decisions within the game's economic system.

- **Raw Material Supply and Initial Prices:** The market sells three basic raw materials needed for the production of jelly candies: sweet powder, white sugar, and green tea. Each material is essential for production, with specific quantities and roles that ensure diversity and complexity in the production process. The initial prices for these materials are as follows: jelly powder at 0.03 BXET/g, white sugar at 0.02 BXET/g, and green tea at 0.05 BXET/g.
- **Price Fluctuation Mechanism:** Raw material pricing is directly pegged to the price fluctuations of Ethereum (ETH), ensuring that the market reflects real-world economic dynamics. Specifically, the prices of raw materials are adjusted based on the percentage change in ETH prices over the past 24 hours. This design introduces an economic model that simulates real-world commodity price fluctuations, adding strategic depth and economic realism to the game. For example, if Ethereum's price rises by 2.6% within 24 hours, the base price of white sugar at 0.03 BXET will be adjusted to 0.0307 BXET, reflecting the market's dynamic changes and sensitive response to external economic factors.
- **Strategic Purchasing:** Since raw material prices are directly linked to Ethereum market prices, players need to closely monitor changes in the cryptocurrency market to optimize their purchasing strategies, thereby minimizing costs and increasing production efficiency. This requires not only basic resource management skills but also a certain level of market analysis ability to understand and predict market trends.

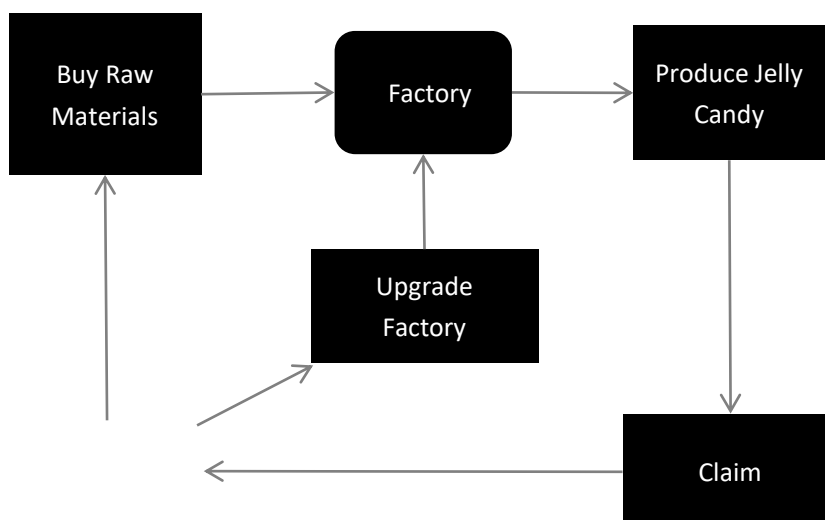
Through its market function, XTopPet encourages deep player engagement in the game's economic activities, enhancing both interactivity and challenge while allowing players to experience economic fluctuations and market risks similar to those in the real world. This design not only enriches the gameplay but also enhances players' understanding of and engagement with the game's economic cycles.

4 Factory System

4.1 Factory Introduction

In XTopPet, the factory system serves as an advanced feature, providing a gateway for pet owners who have reached level 7 to enter the game's token economy. Starting at level 1, players' factories are dedicated to producing a product called "**Jelly Candy**," which acts as a currency in the game and can be exchanged for BXET tokens, thereby enhancing players' economic influence and market activities within the game.

The complete production process of the factory is outlined as follows:



The **BXET** tokens as follows:

The screenshot displays a factory management interface. At the top, it shows 'Earnings' with a gold coin icon and 'Balance' with a green square icon, both at 1.46485. A 'Claim' button is located to the right. Below this is a large illustration of a factory with orange conveyor belts and blue machinery. Underneath the illustration, there are two smaller factory icons. The left one shows a grey cat-like character holding a green leaf, with 'Level-7' and '100% Healty' (with a green progress bar) below it. The right one shows 'Level-15' and '15.75/h' (with a green square icon), and 'Health 99.99%' (with a green progress bar). Below these are two buttons: 'Repair This Factory' and 'Upgrade Factory'. At the bottom, there are three raw material items: 'Jelly Powder: 41.24 g', 'White Sugar: 70.62 g', and 'Green Tea: 60.21 g'. A text box explains: 'Producing a Jelly Candy requires the following Raw Materials: jelly powder: 6g, white sugar: 3g, green tea: 1g'. A 'Buy Raw Materials' button is at the bottom right.

4.2 Factory Production

The production process in the factory begins with the collection of necessary raw materials, which are purchased from the game's market section. Specifically, producing one unit of jelly candy requires 6 grams of sweet powder, 3 grams of white sugar, and 1 gram of green tea. The factory converts these materials into jelly candy in an ongoing automated process that continues as long as the supply of materials is sufficient.

4.3 Factory Upgrades

To increase production efficiency and maximize output, factories can be upgraded. Each upgrade enhances the factory's production speed, allowing players to produce more jelly candy within the same amount of time. Upgrading a factory requires the expenditure of BXET tokens, and the amount of tokens needed increases with each level of factory upgrade. The production speed of jelly candy increases with each level, and the cost in

BXET for each level varies. Below is a table of factory levels and their corresponding production speeds and upgrade costs:

Factory Level	Jelly Candy Production Speed (per hour)	Factory Upgrade Cost (BXET)
Lv1	0.4	0
Lv2	0.52	104
Lv3	0.67	135
Lv4	0.87	175
Lv5	1.14	228
Lv6	1.48	297
Lv7	1.93	386
Lv8	2.50	501
Lv9	3.26	652
Lv10	4.24	848
Lv11	5.51	1102
Lv12	7.16	1433
Lv13	9.31	1863
Lv14	12.11	2423
Lv15	15.74	3149
Lv16	20.47	4049
Lv17	26.61	5323
Lv18	34.60	6920
Lv19	44.98	8996
Lv20	58.47	11694

4.4 Factory Maintenance

As production activities continue, the factory's health value gradually decreases, affecting production speed and efficiency. To maintain optimal production conditions, regular maintenance is necessary. By investing BXET

tokens and clicking the "Repair this Factory" button, players can restore the factory's health to 100%, ensuring that production efficiency remains unimpaired.

4.5 Profit Collection

The jelly candy produced by the factory can be directly exchanged for BXET tokens at a 1:1 exchange rate. This provides players with a method to convert in-game activities into tokens with real value, further enhancing the incentives to participate in the XTopPet game economy.

The entire factory system not only adds complexity and engagement to the game but also connects in-game activities with real economic value, providing players with motivations and rewards to deeply engage in the game's economy.

5 PvP System

5.1 Leaderboard PvP

In XTopPet, Leaderboard PvP offers a competitive platform based on pet levels and skills, allowing pets that have **reached level 3 or higher** to participate. This system is designed to foster competition and community interaction, where players can enhance their rankings and earn points through battles.


Leaderboard PvP Overview:

Leaderboard PvP is a free-to-participate competitive mode where players' pets can engage in **up to 10 battles per day**. Each battle's outcome is determined by a finely tuned algorithm with a preset win rate of **51:49**, ensuring fairness and competitiveness in matches.

Points System and Rewards:

Regardless of the match outcome, participants receive point rewards. Winners gain an additional 110% of their pre-battle points, while losers receive 90%. This design encourages frequent PvP participation, providing a points reward even in defeat, thereby increasing game engagement and player activity.

Leaderboard UI:

The leaderboard UI clearly displays player avatars, nicknames, ID numbers, and point scores, allowing players to understand their standings among global players. Players can initiate a PvP challenge with any player on the leaderboard by clicking the "Battle" button  next to their name.



Battle Process and Rules:

PvP battles do not affect pets' health values or other long-term attributes, ensuring players can engage freely without concern for lasting consequences. The battle process is automated, with player involvement mainly in pre-battle strategy and post-battle analysis.

The Leaderboard PvP Combat UI is as follows:



Leaderboard PvP not only enhances the game's interactivity and challenge but also serves as a stage for players to showcase strategic thinking and combat skills. Through this system, XTopPet successfully combines blockchain gaming's competitive elements with social features, creating a dynamic and rewarding gaming environment.

5.2 Arena PvP


Arena PvP in XTopPet offers a more open and intense combat environment, allowing pets that have reached level 3 or above to participate in battles an unlimited number of times. This system is designed as a betting platform where players can directly affect their point balances through wagered matches, enhancing the game's interactivity and competitiveness.

5.2.1 Arena PvP Overview

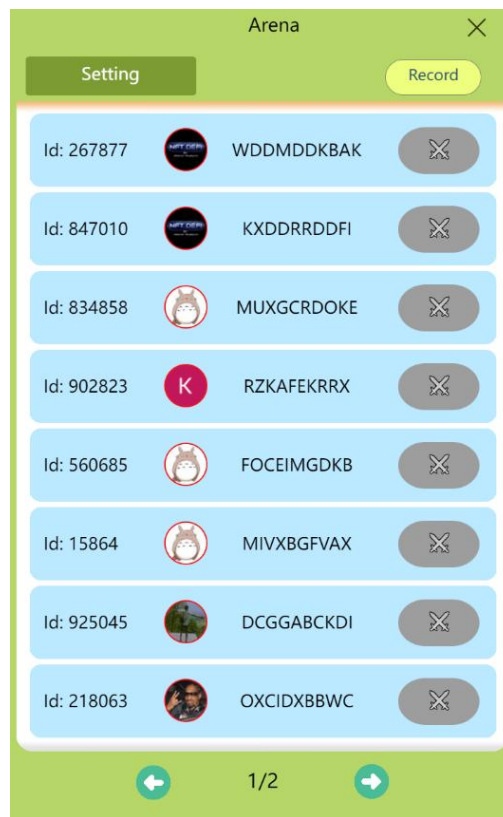
Arena PvP is an open battle environment where players can freely choose when and whom to fight. Each battle involves a stake of 100 points from both participants, with the winner taking the opponent's 100 points, and the loser losing their 100 points. The win rate is preset at 50:50, encouraging active participation while also adding an element of risk and incentive to the battles.

5.2.2 Arena Combat Modes

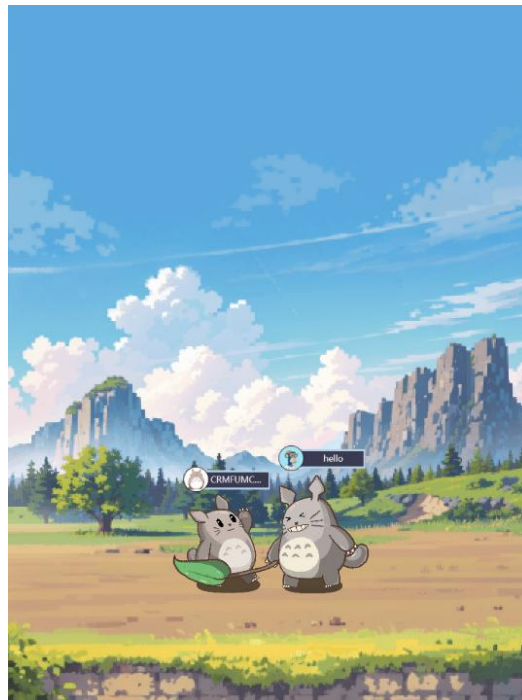
Arena PvP supports two combat modes: active PvP and offline PvP.

- **Active PvP:** Players initiate challenges directly by clicking the "Battle" button  in the arena interface. Points gained and lost are immediately updated in the player's account balance.

- **Offline PvP:** Players can set their accounts to an offline battle mode, allowing other players to select them as opponents in the arena listing. This mode allows players to participate in PvP even when not online, but requires a certain amount of points to be stored in the arena point balance beforehand.

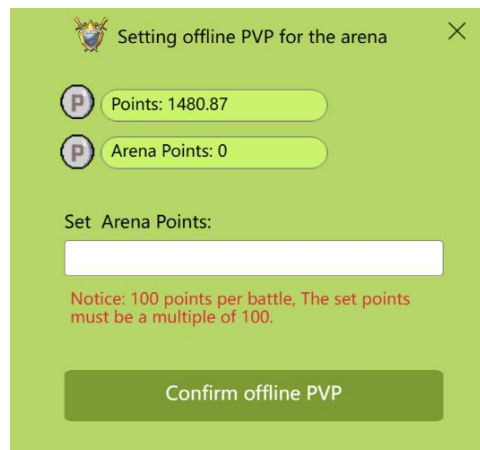


The Arena PvP Combat UI is as follows:



5.2.3 Offline Arena PvP Gameplay

To set up offline Arena PvP, players need to deposit points in the “Settings” interface. **“Points”** represents the account’s point balance, while **“Arena Points”** represents the current arena point balance. Players can set their participation points in the “Set Arena Points” input field, which must be a multiple of 100. Once set, clicking the submit button activates the offline PvP mode. If players wish to cancel offline PvP, they can do so when their points are greater than zero by clicking **“Cancel Offline PVP,”** which returns the arena points back to the account’s point balance.



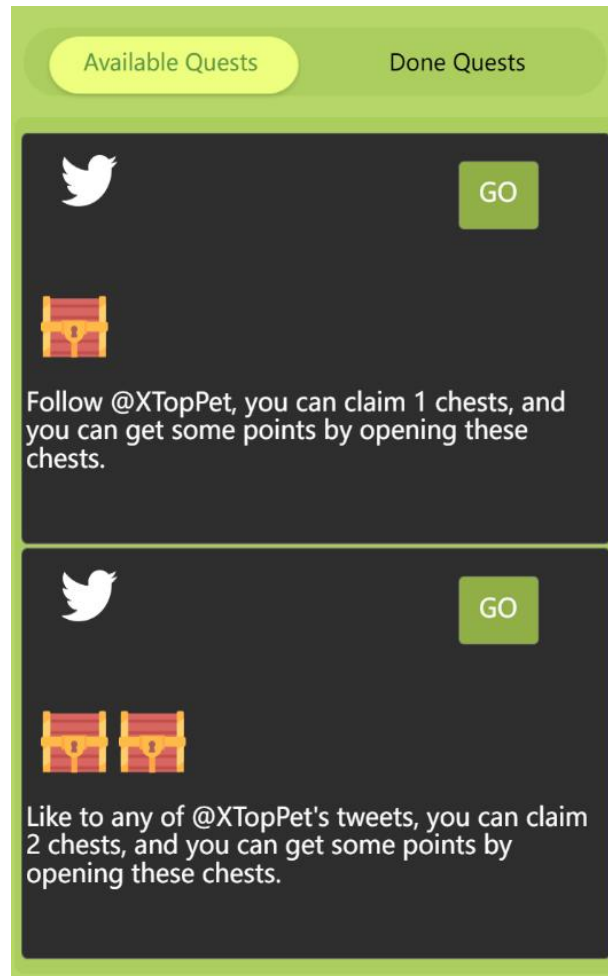
Arena PvP, with its detailed design, not only increases direct interaction among players but also introduces more strategy and risk considerations through point betting, enriching the gaming experience and making it more thrilling and engaging.

6 Twitter Interaction Tasks

Twitter interaction tasks offer players a way to engage with the XTopPet community via social media activities and earn rewards. These tasks leverage the broad reach of the Twitter platform, enabling players to earn in-game rewards through regular Twitter interactions, thus increasing player engagement and the game's social dynamics.

6.1 Twitter Treasure Chest Tasks Introduction

Twitter Treasure Chest Tasks are activities designed to encourage players to interact with XTopPet's official Twitter account. By following, liking, retweeting official tweets, or posting tweets about XtopPet under key opinion leaders (KOLs), players can earn special treasure chests. These chests may contain points or the game currency XTO, aimed at rewarding players' social media activity and support for the brand.



6.2 Completion of Tasks and Rewards

The specific reward mechanism for Twitter Treasure Chest Tasks is as follows:

- **Following the Official Account:** Players earn one treasure chest for following @XTopPet's official Twitter account. Upon opening the chest, players have a chance to receive points that can be used for various purposes in the game, such as fees for participating in Arena PvP or for exchanging into ETH.
- **Liking Official Tweets:** Liking any of @XTopPet's tweets allows players to claim two treasure chests. Each chest opened may grant points or a small amount of XTO currency, encouraging continuous participation in social media activities.
- **Retweeting Official Tweets:** Retweeting @XTopPet's tweets earns players three treasure chests, increasing their chances of receiving higher-value rewards. The contents of these chests include points and XTO, and occasionally may contain rare in-game items or privileges, such as limited-edition pet accessories or temporary in-game boosts.
- **Posting Under KOLs:** Posting comments about XTopPet under influential KOLs can earn players up to five treasure chests, representing the highest reward for actively promoting the project within the community. This form of interaction not only increases the project's visibility but is also an effective way to enhance players' sense of community belonging.

Through these Twitter interaction tasks, XTopPet encourages active participation on social media, providing tangible in-game rewards for such interactions. This mechanism not only deepens players' connections with the game but also effectively expands the game's social media footprint and player base.

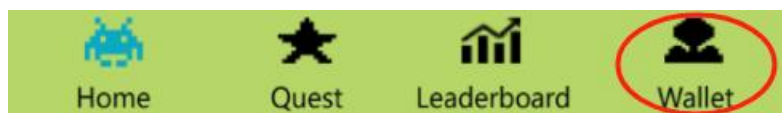
7 Wallet and Transactions

In XTopPet, the wallet system provides players with a secure and feature-rich interface for managing their in-game assets and conducting various financial transactions. The wallet is not only the hub of player interaction with the game's economy but also the main tool for deposits, withdrawals, and asset exchanges.

7.1 Wallet Functionality Introduction

The wallet plays a central role in XTopPet, offering players the following key functionalities:

- **Asset Management:** Players can view and manage their balances of the game currency XTO, Points, and the token BXET.
- **Transaction History:** All deposit, withdrawal, and exchange operations are recorded in the wallet, ensuring that players can easily track all their transaction activities.



7.2 Deposits and Withdrawals

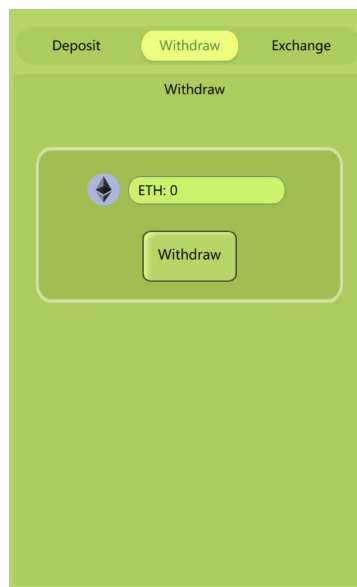
Deposits and withdrawals are fundamental to player interaction with the game economy, enabling players to transfer real-world assets into the game or to cash out in-game earnings.

Deposits:



- **Operation:** Players access the deposit feature by clicking the “Wallet” button located at the bottom of the game interface, which leads to the wallet page. Once there, they must select the “Deposit” tab to proceed.
- **Supported Assets:** Players are enabled to deposit Ethereum (ETH) to purchase the in-game currency XTO. BXET tokens, which may be acquired externally (e.g., from cryptocurrency exchanges), can subsequently be deposited into the gaming account.
- **Process:** Within the deposit interface, players must enter the amount of ETH they wish to deposit. The system will automatically calculate the corresponding amount of XTO or BXET and display the final exchange rate. It should be noted that the in-game mechanism does not facilitate the direct purchase of BXET with ETH. Instead, BXET must be procured from external exchanges before being transferred into the game's ecosystem.

Withdrawals:



- **Operation:** Players perform this action under the "Withdraw" tab on the wallet page.
- **Supported Assets:** Players can withdraw ETH only.
- **Process:** Players enter the amount of ETH they wish to withdraw, and the system processes the request and sends the ETH to the player's specified external wallet address.

7.3 Points and Token Exchange

Points and token exchanges are significant economic activities within the game, allowing players to convert in-game points and tokens into other forms of value.



Points Exchange:

- **Operation:** Players select point exchange under the "Exchange" tab in the wallet.
- **Function:** Players can exchange Points for ETH, with the operation completing instantly and the exchange rate updating in real time based on market conditions.

Token Exchange:

- **Operation:** Performed similarly under the "Exchange" tab.
- **Function:** The token BXET can be exchanged for ETH, offering players a way to convert in-game earnings of BXET into real-world value.

Through this comprehensive wallet system, XTopPet ensures that players can manage and enhance their in-game assets securely and efficiently. The design of the wallet meets blockchain game standards, ensuring transaction transparency and security, and enhancing player trust and engagement with the game's economic system.

8 Economic System

8.1 Overview of the Economic Model

XTopPet has designed a comprehensive economic model aimed at creating a sustainable, self-appreciating gaming economy. This model incorporates a multi-currency and token system, along with a well-thought-out revenue distribution strategy, to balance the interests of players, developers, and other stakeholders.

- **Multi-Currency System:** The game features XTO (game currency), Points (points), and BXET (blockchain token), each serving different functions and roles, adding depth and strategic elements to the game.

- **Token Circulation:** The BXET token is issued on the Binance Smart Chain (BSC), offering cross-platform value transfer and real-time transaction capabilities, allowing players to engage in transactions and capital appreciation globally.

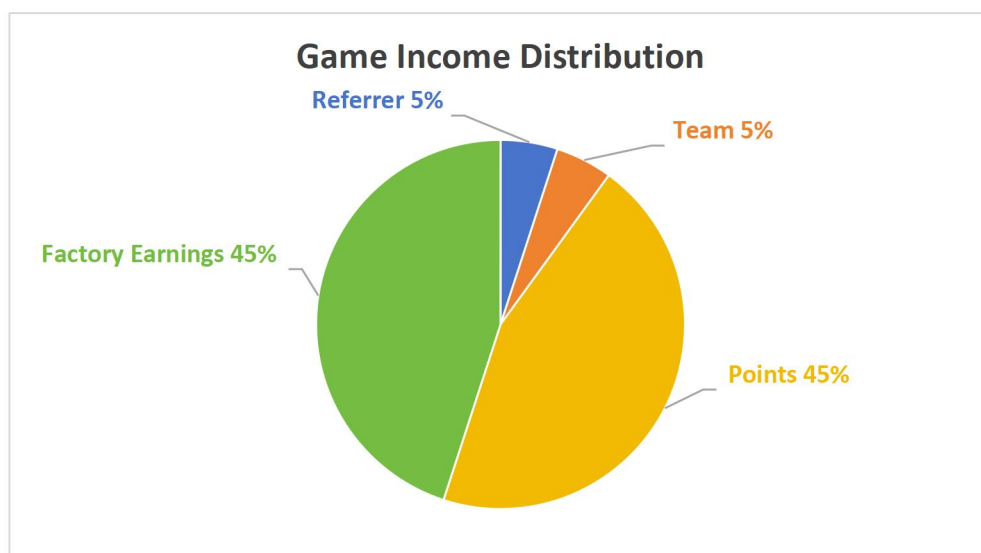
8.2 Revenue Distribution

The strategy for revenue distribution is designed to support the ongoing development of the game and active community participation. The following are the main revenue distribution strategies:

- **Referral Commissions:** 5% of total revenue, used to incentivize players to promote the game, expanding the player base and activity.
- **Development Team:** Also 5% of total revenue, ensuring the development team has sufficient resources to continue optimizing and expanding the game.
- **Exchange Points:** 45% of total revenue, used to reward players for in-game activities, encouraging continuous participation and enhancing their pets and characters' abilities.
- **Exchange Factory Earnings:** Another 45% of total revenue, supporting the operation and upgrade of the factory system, providing players with more economic incentives and sources of income.

Referral Commissions:	5%
Development Team	5%
Exchange Points	45%
Exchange Factory Earnings	45%

Revenue distribution chart:



8.3 Token Economy and Issuance

BXET, as the core token of the game, is issued on the Binance Smart Chain (BSC) under the BEP20 standard, with a total issuance of 100 billion tokens. The distribution and release mechanisms are as follows:

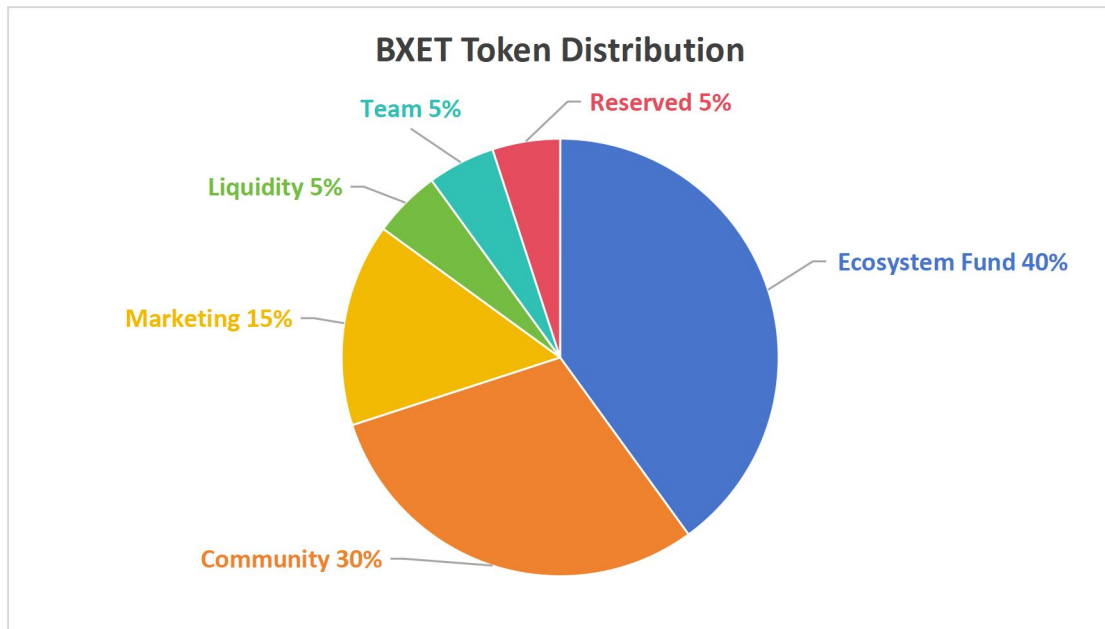
8.3.1 Token Distribution Mechanism

Token distribution ratio:

- **Ecosystem Fund:** 40% (40,000,000,000 BXET), supporting social gaming projects related to the game and other ecosystem development needs.
- **Community:** 30% (30,000,000,000 BXET), used to reward player participation and community activities.
- **Marketing:** 15% (15,000,000,000 BXET), for expanding into the Middle Eastern market and other new markets.
- **Liquidity:** 5% (5,000,000,000 BXET), providing market liquidity to support BXET market performance.
- **Team:** 5% (5,000,000,000 BXET), to reward and incentivize team members.
- **Reserve:** 5% (5,000,000,000 BXET), to address potential market changes and strategic adjustments.

Total Supply	100,000,000,000	100%
Ecosystem Fund	40,000,000,000	40%
Community	30,000,000,000	30%
Marketing	15,000,000,000	15%
Liquidity	5,000,000,000	5%
Team	5,000,000,000	5%
Reserved	5,000,000,000	5%

BXET distribution chart:



8.3.2 Token Release Mechanism

Token release schedule:

- **Ecosystem Fund:** 40% of the tokens are allocated to support the development of social games. This portion is released 0.1% at the Token Generation Event (TGE) and then linearly over 24 months to promote the healthy growth of the game ecosystem.
- **Community Support:** 30% of the tokens are specifically for community building and rewards. This portion is also released 0.1% at TGE and completed over 36 months to enhance community engagement and sense of belonging.
- **Marketing:** 15% of the tokens are allocated for marketing activities, especially for expanding into the Middle Eastern market. These funds will help the project expand its market influence and are gradually released over 24 months post-TGE.
- **Liquidity Assurance:** To ensure market liquidity, 5% of the tokens are used to support market circulation, with 0.1% unlocked at TGE and the remainder over 12 months to ensure active market trading.
- **Team Incentives:** 5% for team incentives, with no tokens released at TGE to demonstrate the team's commitment to the project's long-term success, and then gradually over 24 months.
- **Reserve Funds:** 5% of the tokens are locked as strategic reserves to address potential future funding needs, fully locked for 36 months to ensure sufficient backup resources to meet future challenges.

	Ratio	Allocation	Vesting, Releasing
Ecosystem Fund	40%	40,000,000,000	0.1% TGE, linear vesting to social gaming projects in 24 months.
Community	30%	30,000,000,000	0.1% TGE, and linear vesting in 36 months.
Marketing	15%	15,000,000,000	0.1% TGE, open up the Middle East market in 24 months.
Liquidity	5%	5,000,000,000	0.1% initial unlock, linear vesting in 12 months.
Team	5%	5,000,000,000	0% TGE, linear vesting in 24 months.
Reserved	5%	5,000,000,000	lock in 36 months.
Total	100%	100,000,000,000	

9 Technology Architecture and Security

9.1 Technical Framework

XTopPet's technical architecture is based on the Unity engine, which provides outstanding graphics and animation effects while maintaining cross-platform compatibility. By integrating the Twitter API, the game connects directly with players' social media activities, enhancing social interaction and user experience.

- **Unity Game Engine:** Unity is used as the primary development platform, enabling seamless gameplay on web, mobile, and desktop platforms. Unity's robust graphics and real-time update capabilities make the game interface vivid and highly interactive.
- **Twitter Integration:** Through the Twitter API, the game allows players to log in using their Twitter accounts, directly share achievements in-game, invite friends, and participate in various Twitter-based interactive tasks.

- **Front-end Technologies:** HTML5 and JavaScript provide a responsive and interactive web gaming experience. Additionally, through WebGL technology, Unity can render 3D graphics directly in browsers without the need for additional plugins.
- **Backend and API Services:** Node.js is used to build backend services, handling game logic, player data, and communication with Twitter. RESTful APIs ensure efficient data exchange between the front end and the backend.
- **Database Management:** MongoDB is used to store game states, player progress, and social interaction data. MongoDB's flexibility and scalability make it ideal for handling large-scale, structured, or unstructured data.

9.2 Security Measures and Compliance

To ensure the security and reliability of the gaming environment, XTopPet implements a series of security measures and compliance strategies:

- **Data Privacy Encryption Protection:** All data transmission is secured with HTTPS to ensure safe data transit. Using the OAuth standard, authentication and authorization through the Twitter API are securely managed to protect user data privacy. Sensitive data, such as personal information and transaction records, are encrypted to prevent unauthorized access and tampering.
- **Smart Contract Security:** All blockchain interactions are handled by smart contracts to ensure the transparency and immutability of in-game transactions. Each smart contract undergoes rigorous security audits and testing before deployment, including reviews by third-party professional smart contract auditing firms, to ensure no vulnerabilities.
- **Compliance Adherence:** XTopPet strictly complies with laws and regulations in various regions, especially international standards for data protection and privacy, such as the General Data Protection Regulation (GDPR). Additionally, Know Your Customer (KYC) and Anti-Money Laundering (AML) policies are implemented to prevent and mitigate illegal activities.
- **Monitoring and Response:** An advanced real-time monitoring system is deployed to continuously monitor any abnormal behavior or potential security threats. Upon detecting suspicious activities, our professional security team responds immediately, taking necessary security measures to quickly resolve issues and minimize potential risks.

These technical and security strategies collectively create a secure and appealing online social gaming environment, allowing players to enjoy XTopPet with peace of mind.

10 Legal and Compliance

To ensure the legal compliance and protection of user rights on the XTopPet platform, we have established detailed legal policies and compliance guidelines. The following content outlines the key aspects of the terms of use, privacy policy, and transaction policy.

10.1 Terms of Use

Welcome to XTopPet, these terms of use are intended to regulate your use of our gaming platform and services. Please read the following terms and conditions carefully before using XTopPet:

- **Acceptance of Terms:** By accessing or using XTopPet, you agree to be bound by these terms of use and all applicable laws and regulations.
- **User Eligibility:** You must be of legal age in your jurisdiction or have necessary parental or guardian consent to use XTopPet.
- **User Account:** You are responsible for maintaining the security of your account and for all activities that occur under your account.
- **Content Rights:** Users can generate content on XTopPet, you retain all rights to your content, but grant us a non-exclusive license to use and distribute your content.
- **Prohibited Activities:** You agree not to engage in any activities that violate applicable laws, regulations, or these terms of use.
- **Intellectual Property:** All content, trademarks, and intellectual property on XTopPet belong to us or our licensors and are not to be used without permission.
- **Privacy:** We respect your privacy. Your personal information will be processed in accordance with our privacy policy.
- **Termination:** We reserve the right to terminate or suspend your account and access at any time.
- **Limitation of Liability:** To the extent permitted by law, we are not liable for any indirect, incidental, special, or consequential damages.
- **Changes to Terms:** We reserve the right to modify these terms of use at any time. Changes become effective immediately upon posting, and your continued use of the platform will be deemed acceptance of the modified terms.

10.2 Privacy Policy

At XTopPet, we value your privacy and data protection. Our privacy policy explains in detail how we collect, use, protect, and how you can manage your personal information:

- **Information Collection:** We may collect personal information that you provide to us, such as usernames, contact details, as well as information generated through the use of our services, like transaction records and gaming activities.
- **Information Use:** The collected information is used to operate and improve XTopPet, personalize your user experience, and communicate with you.
- **Information Sharing:** We do not sell your information or disclose it to third parties without your consent unless required by law.
- **Data Security:** We take appropriate security measures to protect your information from unauthorized access or disclosure.
- **Third-Party Links:** Our service may contain links to third-party websites, whose privacy practices are independent of XTopPet. We are not responsible for their content or privacy practices.
- **Policy Updates:** We may update this privacy policy from time to time, with changes published on our website.

10.3 Transaction Policy

In XTopPet, all transactions involving tokens (ETH, BXET) and in-game currencies (XTO, Points) are at the user's own risk. Here are key points of our transaction policy:

- **Transaction Risks:** Users must understand and accept that buying, selling, or exchanging any tokens or in-game currency involves market risks. Market price fluctuations can lead to significant losses, which users must assume full responsibility for.
- **Self-Management:** Users are responsible for managing their wallets and associated keys. We are not responsible for managing or recovering user wallets or lost keys.
- **Compliance Requirements:** All transaction activities must comply with applicable laws and regulations, including but not limited to Anti-Money Laundering (AML) and Counter-Terrorism Financing (CFT) provisions.

By reading and agreeing to these policies, users confirm that they understand and agree to comply with all legal and regulatory requirements of XTopPet.

11 Appendix

This appendix provides explanations of terms used in XTopPet, answers to frequently asked questions, and contact information to help users better understand and engage with the game.

11.1 Glossary

This section defines common terms used in the game, designed to help new and non-technical users better understand the functionalities and rules of XTopPet:

- **XTO (XTopPet Token):** The primary in-game currency used for purchasing pets, food, and upgrades.
- **BXET (Blockchain XTopPet Token):** A token associated with real economic value, obtainable through in-game transactions and exchangeable for ETH.
- **PvP (Player versus Player):** A game mode that allows players to combat each other in the arena.
- **TGE (Token Generation Event):** The event when tokens are first created and distributed to users.

11.2 Frequently Asked Questions

This section aims to answer common questions about the operations, rules, and technology of XTopPet:

1. How to start playing XTopPet?

To initiate journey in XTopPet, players must first register an account. Upon successful registration, players are awarded a Totoro pet. To sustain and nurture their pet, players need to recharge their account with ETH to purchase XTO, which can then be used to buy food for their pet.

2. How do I earn BXET?

Players earn BXET by participating in in-game factory production.

3. Is my account secure?

We use industry-standard security measures to protect user accounts and data, including encryption technologies and multi-factor authentication.

4. How do I use BXET to exchange for ETH?

Players can select the exchange function in the wallet interface to exchange BXET for ETH at market rates.

5. What should I do if I encounter technical issues?

Players can submit issues through the game support page or contact our customer service team directly.

11.3 Contact Information

To ensure that players can receive assistance promptly when needed, XTopPet offers multiple contact channels to provide comprehensive user support and services.

Twitter: @XTopPet

Follow us to get the latest news and community updates.

Discord: [XTopPet Discord Channel]

Join our Discord community to interact with other players and receive immediate assistance.

Telegram: [XTopPet Telegram Group]

Join our Telegram group to participate in discussions and receive real-time updates and announcements.

Through these channels, XTopPet commits to providing timely, transparent, and effective support to ensure that your experience in the game is as enjoyable and valuable as possible.