

# WHITE PAPERS

# MTT Sports

Beta 0.1



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# PREFACE

The goal of MTT Sports is to create a world-class competitive brand and to realize the vision of the MTT Foundation, jointly promoting MTT (Multi-Table Tournament) as an official event in the Olympic Games. MTT Sports is a decentralized online poker tournament platform that exclusively offers MTT (Multi-Table Tournament) competitions and does not provide gambling formats such as cash tables.

MTT Sports allows players to participate in high-quality tournaments without having to invest any money by offering free entry. Without compromising the fairness of the competition, this approach makes poker tournaments more entertaining, allowing more people to engage in the game in a healthy and competitive way.

Texas Hold'em Multi-Table Tournaments (MTT) emphasize players' strategy, skill, emotional control, and bankroll management, rather than relying solely on luck, distinguishing it fundamentally from typical cash games. Numerous studies have demonstrated the dominant role of skill in poker. For example, research by the American Poker Alliance shows that players who consistently perform at the top of poker tournaments prove the game's technical nature. Moreover, Dr. Patrick Basham's research indicates that strategic thinking and decision-making are key factors influencing tournament outcomes.

Globally, an increasing number of countries and regions recognize Texas Hold'em Multi-Table Tournaments as a competitive activity. In the U.S., states like Nevada and New Jersey have established clear licensing systems for poker tournaments, differentiating them from gambling. In Europe, countries such as the UK, Germany, and Malta also view MTT as a skill-based competitive game under specific conditions.

MTT Sports, by distinguishing itself from traditional cash games and offering free entry, provides a fair, clean, and competitive arena for global users, elevating poker tournaments to the level of professional sports. Through decentralized governance, MTT Sports organizes players worldwide to collectively build MTT Sports into a premier international competition brand.

# I. MTT SPORTS TOURNAMENT SERIES

## 1) Mining Tournament

Mining Tournaments are held almost every hour, allowing users to participate for free. Players who make it to the prize pool share the rewards equally without ranking distinctions.

## 2) Daily Tournament

Every day, 2 to 4 Daily Tournaments are held, and users who have completed real-person verification can enter for free. After intense competition, users who achieve top rankings can share the prize pool, with the champion receiving the largest reward.

## 3) Weekly Tournament

### **ONE WEEK, ONE BTC, UP TO 100.**

A Weekly Tournament is held once a week. In the first two years after the platform launch, apart from receiving significant MTT token rewards, all players at the Final Table of the weekly tournament will receive one Bitcoin as a reward. A total of 100 Bitcoins will be distributed to participating players. Before the Weekly Tournament begins, there will be qualifying rounds, where verified users can register for free. Only after winning a seat in the qualifying rounds can players participate in the main event. The Weekly Tournament is typically a multi-day event and is one of the most significant tournaments on MTT Sports. The prize consists of both MTT tokens and BTC, with players receiving BTC also gaining substantial MTT token rewards.

In the future, the MTT platform will expand to higher-level monthly tournaments. These will follow a format similar to the Weekly Tournament, consisting of qualifying rounds and the main event. Since the requirements for entering the monthly tournaments will be higher, users will need to invest more time and effort on the platform to meet the qualifications and participate in these advanced-level tournaments.

## 4) Super Tournament

Based on the above tournament structure, MTT Sports will introduce the Super Tournament, a major quarterly or annual event. The Super Tournament is the highest-level competition in MTT Sports, encompassing the platform's daily, weekly, and monthly tournaments, forming a progressive and interconnected tournament system. The official team will organize a grand offline event, attracting global players to compete for the ultimate victory. The Super Tournament offers not only substantial prize money but also greater prestige.

## 5) CLUB Tournament

Users can also participate in privately hosted CLUB Tournaments, where each CLUB sets its own rules and rewards. The diverse and varied CLUB Tournaments are an important part of MTT Sports.

## II. MTT SPORTS INTERFACE

The MTT Sports product interface exhibits a high level of elegant design on both mobile and PC platforms, ensuring that players enjoy a consistent visual experience across different devices. The mobile interface adopts a clean and bright design style, offering smooth operation. Players can quickly find tournaments and related features through intuitive navigation. Page loading speed has been optimized, allowing players to enjoy seamless gameplay on their phones anytime, anywhere, and join tournaments with ease, without complicated procedures.



Figure 1. MTT Sports Mobile Interface

On the PC platform, MTT Sports emphasizes a broader visual experience with a carefully optimized layout that ensures comfort during extended use. The web interface is not only visually appealing but also highly responsive, allowing users to switch between pages quickly and enjoy a smooth gaming experience.



Figure 2. MTT Sports PC Interface

### III. FAIRNESS MECHANISM

#### 1) Facial Recognition Technology

The platform ensures that all participants are real, verified individuals through advanced facial recognition technology, preventing bots from participating. This technology employs various recognition methods to guarantee fairness and enhance user experience:

- **Key Point Detection and Landmark Identification:** By detecting key points on the face (such as eyes, nose, mouth) and landmarks (such as eye corners and eyebrows), facial features are extracted and compared to verify the authenticity of each player's identity.
- **Local Feature Extraction and Deep Learning:** Using Local Feature Extraction (LFP) technology to analyze facial textures and shapes, combined with Convolutional Neural Networks (CNN) and Face Embedding's for high-precision feature matching and recognition, this approach significantly improves accuracy.
- **Facial Alignment and 3D Recognition:** Facial alignment algorithms adjust the face image to a standard posture, reducing the impact of expression and pose changes. At the same time, 3D facial scanning provides deeper facial data analysis, enhancing stability and accuracy.
- **Dynamic Feature Recognition and Anti-Spoofing:** By analyzing dynamic facial changes through video sequences, the system ensures that participants are real. Additionally, liveness detection techniques (such as blink detection and head movement recognition) verify the authenticity of players, preventing photo or video fraud.

To further ensure fairness in major official tournaments, the platform will introduce random verification mechanisms. During matches, periodic facial recognition checks will occur. Players failing to pass these checks will face operation lockouts and must complete additional facial recognition within a specified time to continue. This mechanism aims to prevent cheating and ensure that matches are conducted in a fair and authentic environment. As block chain technology evolves, the platform will continue optimizing facial recognition solutions by integrating more advanced verification methods. Our commitment is to maximize fairness and user experience through continuous technological advancements, ensuring every match is conducted in a genuine and fair environment.

## 2) RNG for Dealing

The card dealing mechanism is a critical factor in ensuring fairness in online poker. To achieve this, MTT Sports adopts an RNG (Random Number Generator) system to guarantee the randomness and unpredictability of the game. RNG is an algorithm or device used to generate random numbers, ensuring the unpredictability of game outcomes. In poker, RNG simulates the shuffling and dealing process by generating random numbers, thus preventing manipulation and cheating.

The process is as follows:

- Initial Hash Value Generation:** The platform first designs an initial hash value, which serves as the foundation for the card dealing process in each game. The hash value is generated completely randomly, ensuring that the starting point of each game is unpredictable.
- Player's Random Behavior:** During each game, players' random behaviors (such as clicking and betting) are recorded and used to influence the generation of random numbers. These behaviors ensure that every player's actions genuinely affect the dealing process, further enhancing fairness.
- Combining RNG Theory:** MTT Sports combines the initial hash value and players' random behaviors to generate specific random numbers using RNG theory. These numbers determine the dealing order, ensuring that the distribution of cards is both fair and random.
- Transparency and Verification:** The platform provides verification tools, allowing players to check the fairness of the card dealing process. By offering transparency and auditing of the RNG system, players can confirm the randomness and fairness of game outcomes, reinforcing trust in the platform.

This combined use of RNG technology and player random behavior enables MTT Sports to ensure a high level of fairness in every game while continually optimizing the system to maintain the highest levels of transparency and gaming experience.

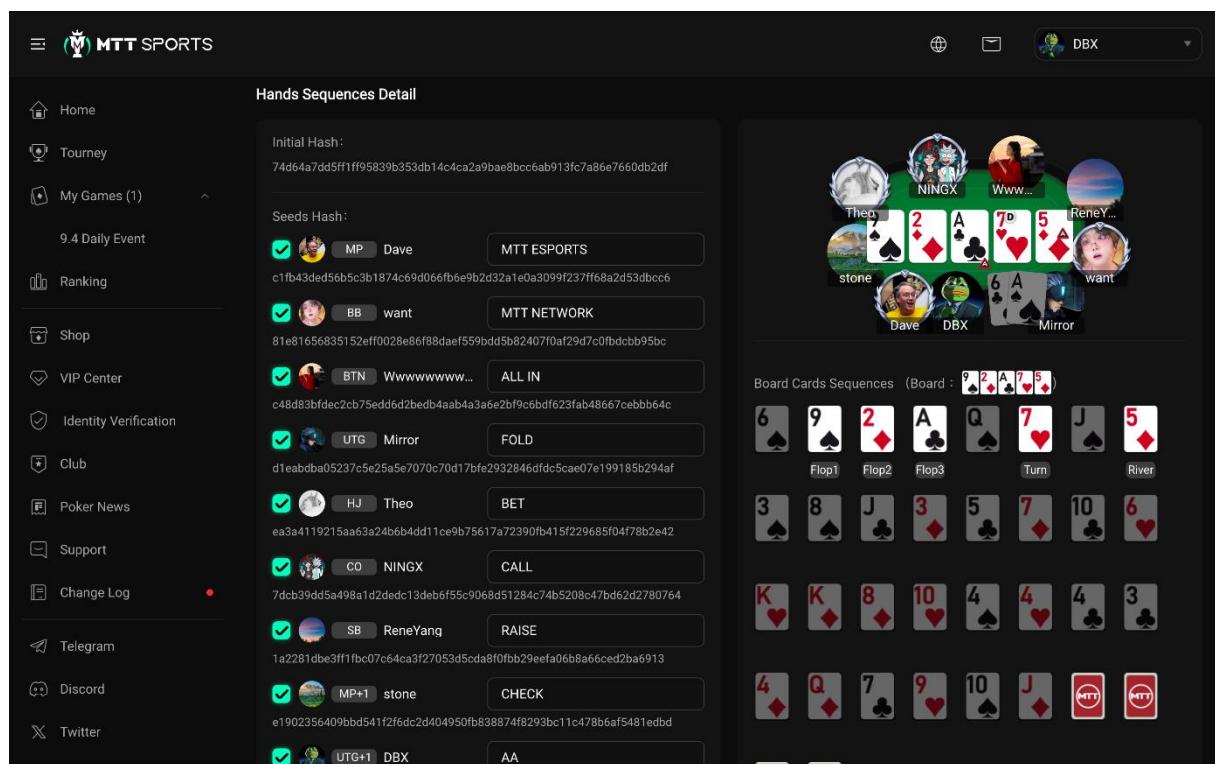


Figure 3. RNG Showcase

## IV. INVITATION REWARDS

When a user successfully invites a new user to register, he can receive the following commission rewards:

- 5% of all prizes won by invitees during official tournaments (Official tournaments include Mining Tournament, Daily Tournament, Weekly Tournament, Ticket Tournament, Seat Tournament, Holiday Tournament etc; Newbie Tournament, Pro Tournament, Master Tournament, Elite Tournament, HighRoller and Title Partnership etc are excluded; Bitcoins are excluded);
- 10% of total in-game consumption by invitees (consumption includes: Register, Re-Entry etc);
- 30% of total Shop consumption by invitees;

Referral rewards settlement: referral rewards are settled in MTT Token every month according to invitees's monthly bills. This promotion plan is valid until December 31, 2028, and MTT Sports reserves the right to the final interpretation of the program.

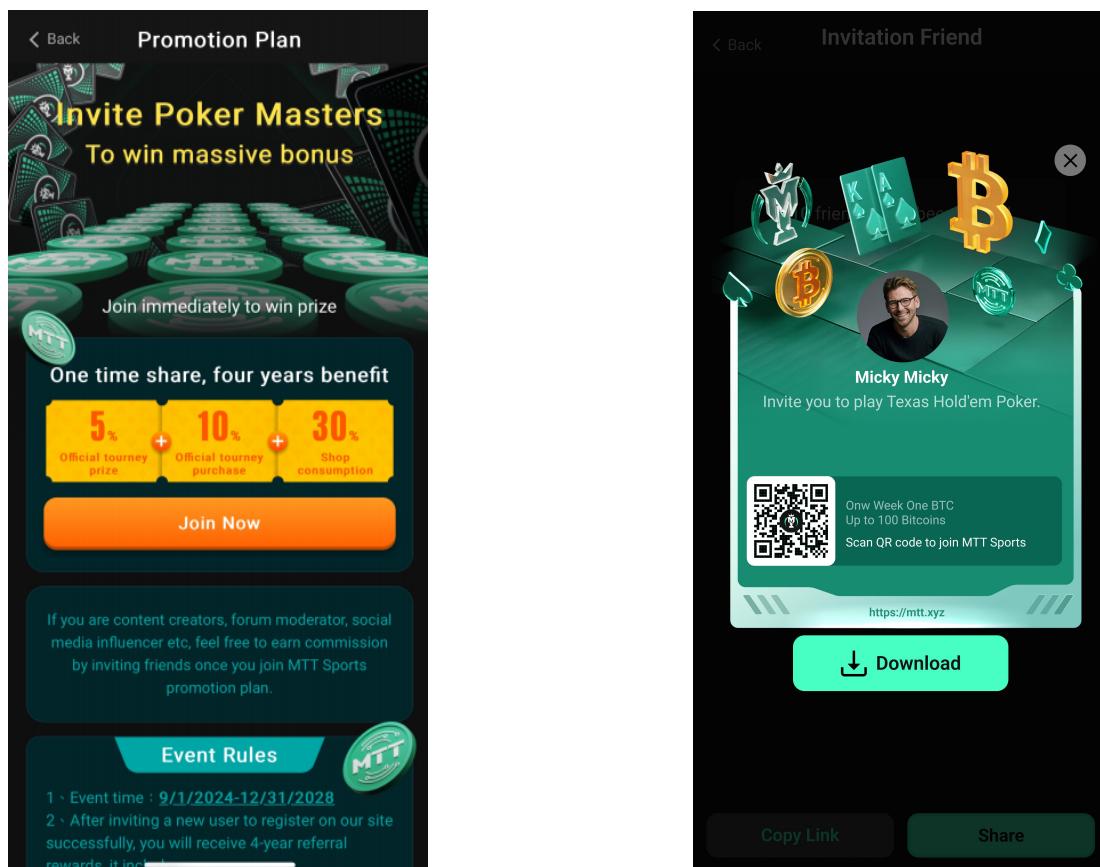


Figure 4. Promotion Plan

# V. OTHER SYSTEM INTRODUCTIONS

## 1) VIP Membership

Users can become VIP members of different levels by staking various amounts of MTT tokens, unlocking more exclusive platform benefits. The platform's VIP system is divided into three levels, with different benefits for each level. Basic privileges include a special "player" tag, making players more noticeable in competitions, and the ability to unlock the "rabbit card" function, which allows players to see unrevealed community cards after the flop, increasing the fun and strategic elements of the game.

Higher-level VIP users, in addition to basic functions, can enjoy higher fee rebate percentages. The higher the VIP level, the greater the fee rebate percentage. Additionally, high-level VIP users can receive more exclusive rewards and privileges, including customized tournament experiences and priority access to special competitions. As the project continues to develop, the platform will gradually provide more exclusive benefits and unique gameplay options for VIP members, further enhancing the value and appeal of VIP membership.

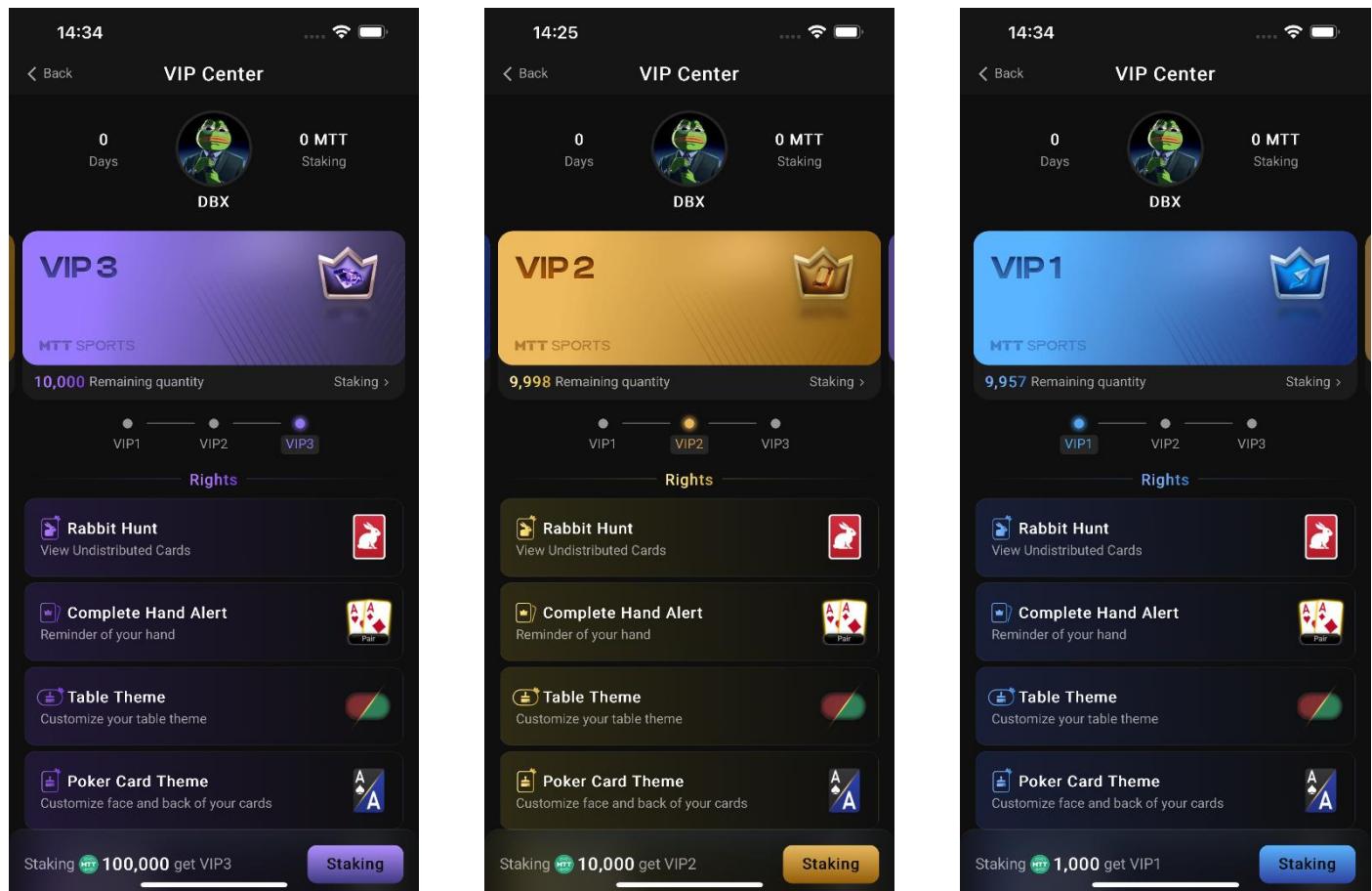


Figure 5. VIP Membership

## 2) MTT Sports CLUB

Users can apply and be screened for CLUB creation eligibility through the MTT Sports platform. Accounts that successfully create a CLUB will be able to organize and manage exclusive MTT community competitions within the platform, fully activating and uniting their community members. Each CLUB creator can freely set competition rules, including match types, tournament systems, entry fees, and reward distributions, thus creating a unique competitive experience.

To further stimulate community activity, MTT officials will provide partial prize money or other forms of support for competitions held by CLUBs, making community competitions not only fun but also quite motivating. This system provides CLUBs with a fully functional tournament management tool, allowing CLUB organizers to easily plan and run competitions, and enhance community cohesion and participation through personalized matches and reward systems.

Every user can view detailed information about various CLUBs on the platform through the CLUB exploration page, including competition history, member composition, and reward mechanisms. This way, users can not only choose to join CLUBs they are interested in but also easily participate in various community competitions organized by CLUBs, interacting with other community members through events and experiencing the combination of blockchain and competitive sports.

This system design makes MTT Sports not just a competition platform, but also an important hub that gathers various communities and promotes cross-community interaction and cooperation. Through rich event management functions and official reward support, the CLUB system not only enhances user engagement but also injects new momentum into the healthy development of the entire MTT network ecosystem.

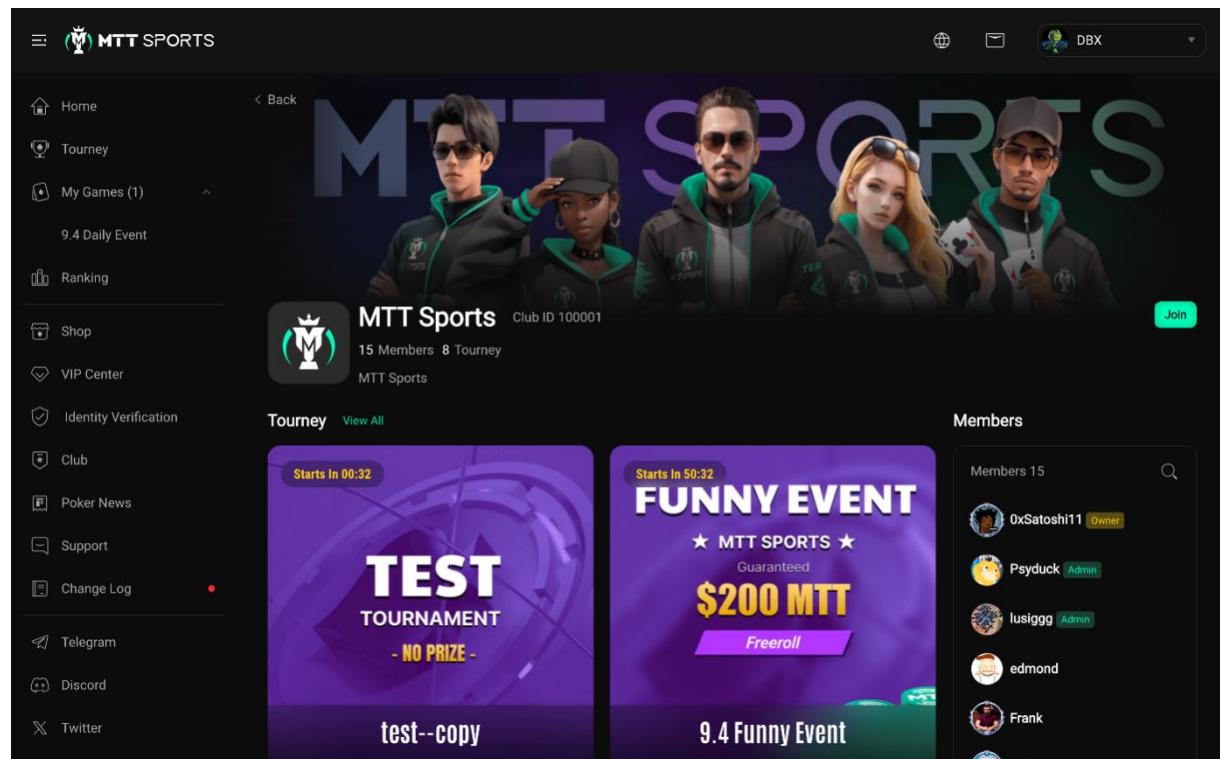


Figure 6. CLUB

### 3) Player Ranking System

To comprehensively evaluate players' performance in competitions, we have established a tournament points and ladder ranking system. This system not only reflects players' overall strength on the platform but also encourages players to continuously improve their competitive skills.

- **Tournament Points System:** Every time players participate in a competition, they will receive corresponding points based on the tournament's prize pool size and their personal performance. The larger the tournament prize pool, the higher the points players can earn. These accumulated points will determine the player's position in the ladder ranking.
- **Ladder Ranking System:** Players' levels and rankings are calculated based on their overall performance in all completed tournaments. The higher the points, the higher the ranking. This ranking system aims to objectively reflect players' true abilities. In the future, there are plans to introduce higher-level, more competitive tournaments, and the ladder ranking will be an important reference factor.

As time progresses and the system improves, the MTT platform's ranking will become a widely recognized proof of player skill in the industry. By maintaining and improving their platform ranking, players can not only gain higher exposure but also increase their influence in the industry. This ranking system not only provides a fair competitive environment but also offers clear growth goals for players.

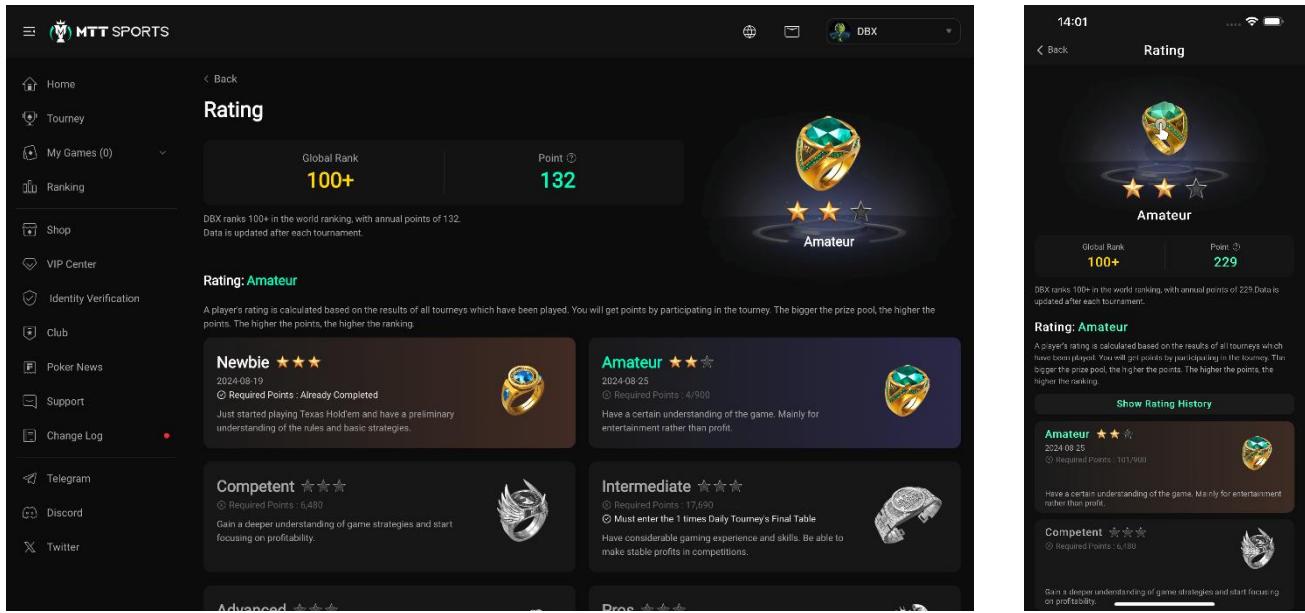


Figure 7. Player Ranking System

### 4) Item Shop

The platform has launched a diverse item shop where players can purchase various items, greatly enhancing the fun and experience of competitions. The shop includes a rich variety of item types, ranging from gadgets that enhance game strategy enjoyment to items like tournament tickets, meeting the needs of different types of players. For example, players interested in certain specific tournaments but unwilling to participate in

qualifiers can directly purchase tickets, while players who obtain tickets through competitions can freely trade or sell these tickets in the market for profit.

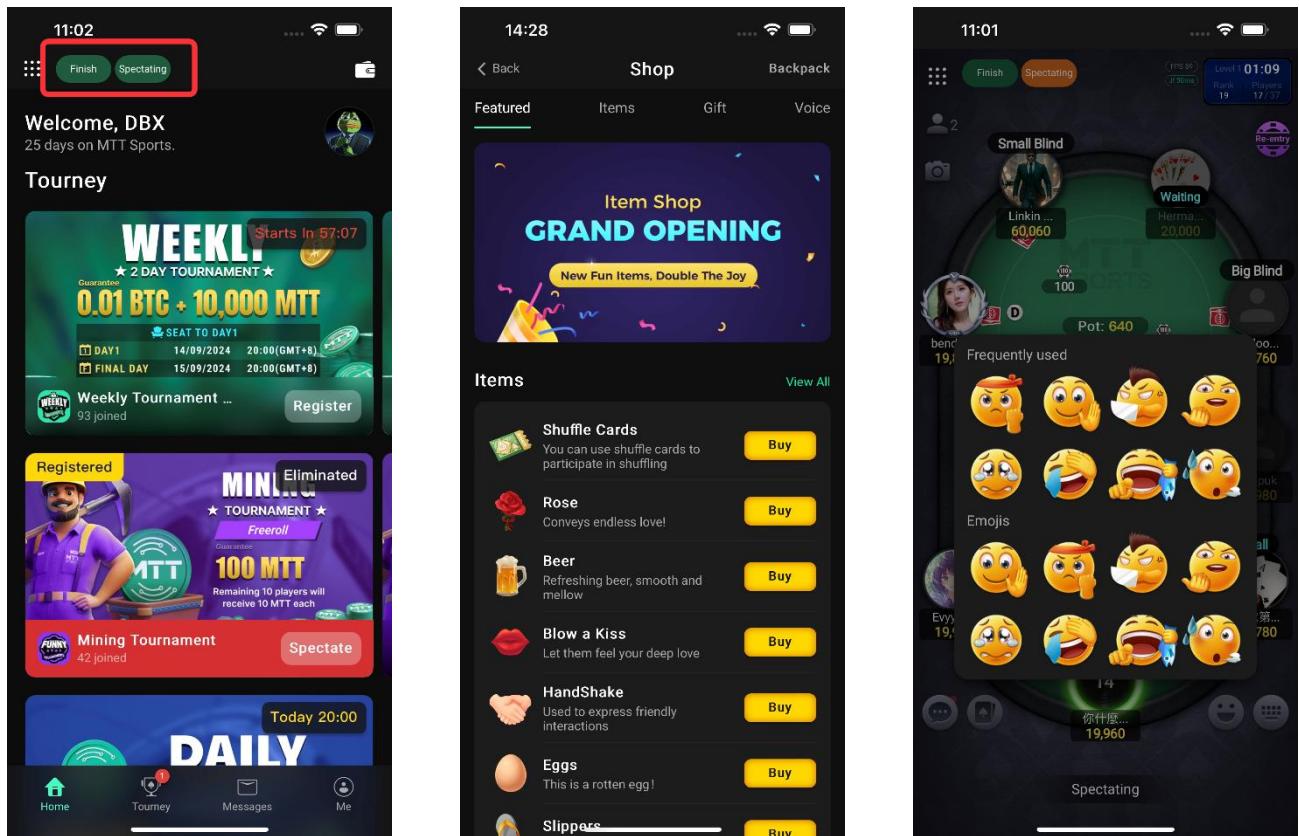


Figure 8. Multi-table & Item Shop & Emotes Interfaces

The shop will gradually support digital assets on the MTT Network blockchain, meaning players will be able to freely dispose of certain items, including transferring, gifting, or trading them on the secondary market, truly realizing free circulation of items. This design not only increases the platform's interactivity and fun but also further stimulates players' enthusiasm for participating in the platform, promoting the circulation and development of the platform's economy.

## 5) Multi-table Function

In online Texas Hold'em Poker, without a multi-table function, players would have to wait for a considerable amount of idle time (30 seconds) between each hand, slowing down the game pace and affecting the playing experience for skilled players. MTT Sports supports a multi-table function, allowing players to participate in multiple tournaments simultaneously.

## 6) Interactive Emotes

The platform has designed a rich variety of dynamic emote items. During gameplay, players can send these emote items to enhance the fun of the game and increase interaction between players.

## 7) PWA Technology

Progressive Web Applications (PWAs) are applications generated using Web technologies that can be installed from a single code base and run on all devices. PWAs provide users with a native-like experience on supported devices. They adapt to the features supported by each device and can also run in web browsers like websites. MTT Sports uses PWA technology to maximize product cross-device compatibility and narrow the gap between web and native applications. Users can experience near-native operations without needing to download a client. This ensures the best user interaction experience while providing the most convenient participation experience for users.

# GLOSSARY

**RNG (Random Number Generator):** A system or algorithm used to generate random numbers, often utilized in gaming and cryptographic applications. In poker, RNG ensures that card shuffling and dealing processes are random and fair.

**MTT (Multi-Table Tournament):** A poker tournament format where players are distributed across multiple tables. As the tournament progresses, players are moved between tables until the final table is reached.

**BPT (Bitcoin Poker Tournaments):** A type of poker tournament where the prize pool and rewards are denominated in Bitcoin. These tournaments can attract players interested in cryptocurrency and digital assets.

**Buy-In:** The amount of money required to participate in a poker tournament or cash game. In tournaments, the buy-in contributes to the prize pool, while in cash games, it determines the initial stack size for each player.

**Seat Tournament:** A preliminary tournament format where players compete for seats in a larger, more significant tournament. Seat games often serve as qualifiers for major events, offering participants a chance to advance to higher-stakes competitions.

**Weekly Tournament:** A recurring tournament held on a weekly basis, often featuring regular participants and structured prize pools. These tournaments can vary in format and buy-in levels, providing ongoing competition for players.

**Monthly Tournament:** A larger-scale tournament held monthly, offering higher stakes and larger prize pools compared to weekly tournaments. Participation typically requires more significant time investment and strategic play.

**Super Tournament:** A prestigious, high-stakes tournament held quarterly or annually, featuring grand prize pools and significant player engagement. Super Tournaments often include elaborate events and substantial recognition for winners.

**Club Tournament:** Private or community-specific tournaments organized by clubs within the poker platform. These tournaments can feature customized rules and rewards, and often require participants to be part of a specific club or group.

**Face Recognition:** A technology used to verify the identity of players by analyzing their facial features. In poker tournaments, face recognition ensures that all participants are real individuals and not automated systems or bots.

**Progressive Web App (PWA):** A web application that uses modern web technologies to deliver a native app-like experience, including offline functionality, push notifications, and fast loading, while being accessible through a web browser.

**LFP (Local Feature Extraction):** A technique in computer vision that focuses on analyzing and extracting detailed, localized features of an object or image, such as textures and shapes, to improve accuracy in recognition tasks.

**CNN (Convolutional Neural Network):** A deep learning algorithm commonly used in image and video recognition. CNNs apply convolutional layers to input data to automatically learn hierarchical patterns, making them highly effective in tasks like facial recognition, object detection, and classification.

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