

Lamas Finance[✦]

WHITEPAPER

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1. INTRODUCTION

The Dapp industry is burgeoning with more than 2 million daily unique wallets registered during August 2021. Notably, around 880,000 unique gaming wallets interact with a smart contract on a daily basis. These figures show that the market size for gaming dapp is very large.

GameFi, the intersection of decentralized finance and the gaming industry, is receiving the utmost attention from the public. So far since the beginning of the year, many GameFi projects have been launched. Some common features of these games are the adaptation of NFT to represent in-game items or the use of crypto as in-game currency. However, most of them require a private server to execute logic as well as to archive records and calculations throughout the gaming process, which makes those Dapps not truly Dapps. The blockchain's key features as decentralization, transparency, and security are underutilized. Furthermore, the very high gas fee of the Ethereum blockchain, on which most of these Dapps are built, has increased the total cost per transaction.

Accordingly, developed on Solana, the fastest and cheapest platform in the cryptocurrency space, Lamas Finance's core mission is to provide users with games and defi functions for earning profit and bonuses. All games of Lamas Finance are true Dapps: logics and calculations throughout the gaming process are executed on the blockchain via smart contract, which brings users an experience of true blockchain games. Lamas Finance is believed to meet diverse users' demands thanks to the massive liquidity based on DeFi and reach the highest bliss point of users by different games.

Our platform is the set of game products, NFT collections, and yield farming. **LMF**, a native utility token of Lamas, is used for a variety of purposes within the growing landscape, namely participating in the games, exchanging NFT, staking, yield farming, and governance functions.

Currently, Lamas Finance provides users with four games: Price Prediction, Up or Down, Jackpot Lottery, and Lucky Spinner.

Price Prediction and Up or Downs are guessing games about asset price. While Price Prediction requires participants to give an exact number, Up or Down allows users to speculate on market movements within two options: going up or down. The rewards depend on the accuracy of the players' prediction: the more accurate the prediction, the more they earn.

Participants will try their luck in the two other games. In Jackpot Lottery, users have a daily chance to win a Jackpot if their tickets match the drawn numbers. Lucky spinner, the remaining product of the set of games, allows users to play at any time of the day. They will bet an amount of LMF, turn the spinner, and wait for the lucky prize, which is calculated based on how much they have bet.

In particular, the prizes for the four games are not only LMF tokens but also NFT cards. By collecting pieces of NFT, users have a higher chance of acquiring valuable rewards. Users can exchange their NFT cards in the Lamas marketplace to complete the NFT collections.

Holding LMF tokens, along with the opportunity to have the governance rights, users can stake their LMF to get yield and reduce up to 50% of game participation fees. In addition, they can earn even more by yield farming on the platform. After adding liquidity to some specified trading pairs, users can stake those LP tokens to farm LMF with a very high APR.

This paper is being worked on actively. Further information will be added on an ongoing basis.

2. GAMES

2.1. Price Prediction

Prediction market

According to Investopedia, prediction markets are exchange-traded markets created to trade the outcome of events. Traders bid up or down the price of a futures contract based on their expectations for the future price of the underlying asset. Prediction markets have shown to be a successful prognostic tool since they represent a wide range of thoughts and opinions, much like the markets as a whole.

The main goal of prediction markets is to elicit a group of people's opinions on an unknown future outcome. Traders with varying beliefs trade on contracts whose payoffs are related to an unknown future result; the aggregated belief is the market price of the contracts.

Lamas price prediction game

Price Prediction, a type of prediction markets, allows players to make guesses about the changes in cryptocurrency prices in the future. Playing the game, participants make predictions to earn rewards. A mathematical model is applied to determine the accuracy of a prediction: the more accurate the forecast, the bigger the rewards.

How to play

Step 1: Enter the forecasted price and stake the amount of USDC.

(the minimum bet is 5 USDC)

Step 2: Submit prediction: smart contract executed.

Step 3: Wait for the result.

Step 4: Check for score and reward.

Score & Reward

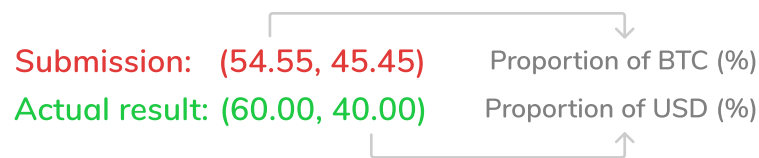
Estimating the accuracy of prediction

Suppose that a player makes a Bitcoin price prediction with an initial price (determined at 00:01 UTC on Monday) of 100,000 USD/BTC. We will consider a pool containing 1 BTC and 100,000 USD. The weight of value between BTC and USD in the pool at initialization is (50, 50). Forecasting the percentage increase

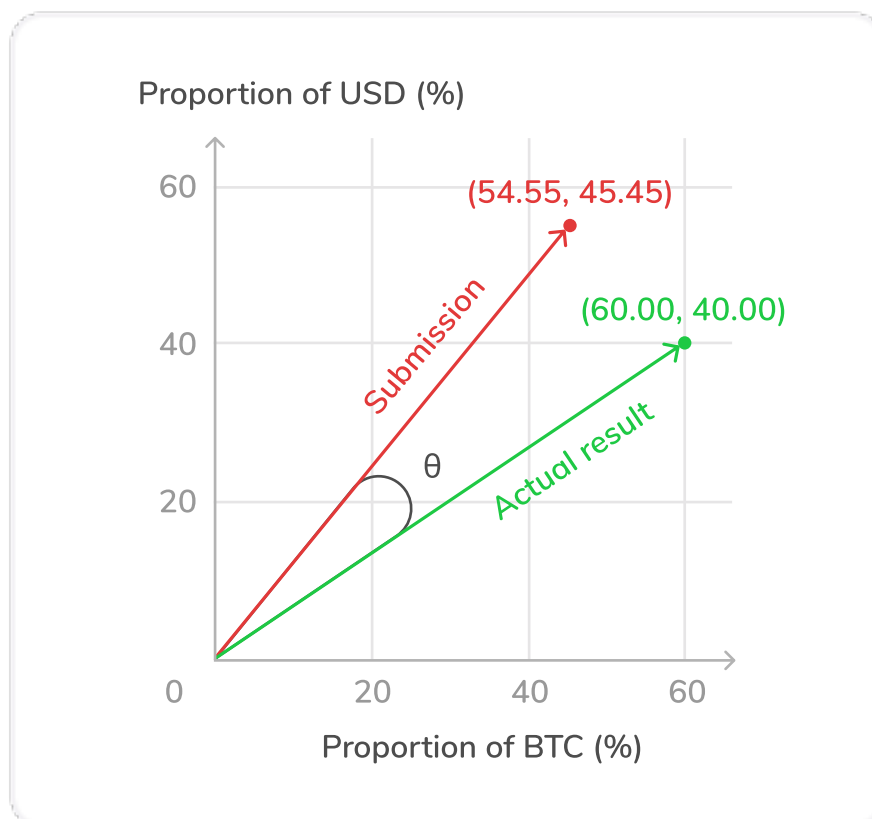
or decrease in Bitcoin price will refer to the change in the proportion of BTC and USD in the pool in the future.

For instance, a player predicts BTC will increase by 20% by Sunday, which means that 1 BTC will increase in value to \$120,000. Thus, the submission pool's weight is: $(120/220, 100/220) = (54.55, 45.45)$. The result is: BTC on Sunday increased by 50% from Monday's original price (BTC price is \$150,000). The actual pool's weight is: $(150/250, 100/250) = (60.00, 40.00)$.

We will represent the results as vectors.



The result is represented as in the following graph:



Submission and actual-result data will be normalized into two vectors S and A . Applying the dot product of two vectors, we can easily calculate θ by the formula below.

$$\theta = \arccos\left(\frac{\vec{S} \cdot \vec{A}}{|\vec{S}| \cdot |\vec{A}|}\right)$$

The raw score is determined by the formula:

$$\text{Score} = \begin{cases} \pi / \theta & \text{if } \theta > \pi / 1000 \\ 1000 & \text{if } \theta \leq \pi / 1000 \end{cases}$$

The closer the two vectors are, the higher the score players achieve. The raw score will be on a 0–1000 point scale, where 0 is the lowest and 1000 is the highest score.

Bonus points

Players also receive bonus points for making early predictions. A forecast on the price of Sunday-BTC made on Monday is much harder than it is on Thursday. Hence, bonus points help improve fairness between players when making predictions at different times.

To determine a suitable bonus score scale, a game test with a set of 100 players was implemented to estimate the expected score that players would get if they predicted on Monday. These players are required to provide Bitcoin price predictions on Monday. By Sunday, based on Bitcoin price data, the average score achieved by the players is determined. After five weeks of implementation, the average score of all the weeks we received is 202 points. Accordingly, we offer the following bonus levels: 100 points on Monday, 60 points on Tuesday, 30 points on Wednesday, and none on Thursday. **Therefore, the maximum score a player can achieve is 1100 points.**

One quarter after the official mainnet event, this bonus will be adjusted by players who have the governance right by staking LMF token (see more in sections 4.2 and 5.1).

The reward for the prediction

If the final score is above average, there will be some profit. On the other hand, if the score is below average, there will be a certain degree of loss.

Price prediction is a zero-sum game without external incentivization. The reward will be calculated through the score and the staked (bet) amount as below:

$$\text{Reward} = \frac{\text{score} \times \text{staked amount}}{\sum (\text{score} \times \text{staked amount})_i} \times \sum (\text{staked amount})_i$$

In addition, players in the top 1% who obtain the most correct predictions will have a chance to receive an NFT card. The rarity of the NFT cards they receive will depend on their stake and rank. More details about the NFT collection are available in the next chapter.

Timeline

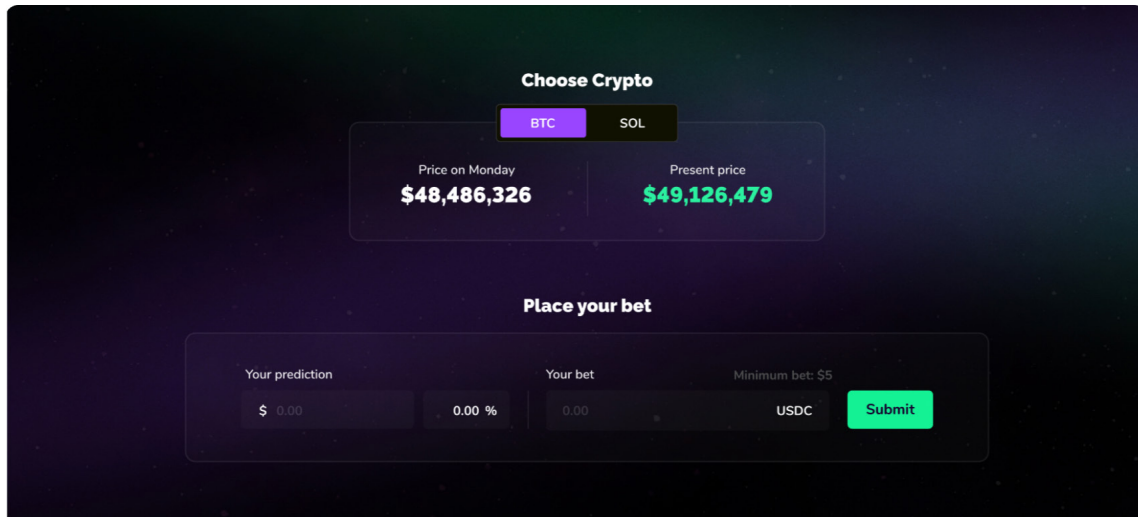
There are 04 main stages:

1. Bet starts: At 00:01 UTC every Monday. Participants should submit their predictions and stakes during this period.
2. Bet ends: The valid range time to bet is closed at 23:59 UTC on Thursday. The system stops accepting predictions, and players wait for the result.
3. Score calculation: Price data will be pulled from Chainlink Oracle to determine the final result at 11:30 UTC on Sunday. Afterward, the above mathematical model will be applied to calculate the score.
4. Reward: The reward will be available after the score calculation, usually at the same time as the beginning of a new bet round. All participants should check and claim the rewards within 30 days.

Interface walkthrough

The system will display two values: the initial BTC price (at 0:01 on Monday) and the real-time BTC price (data taken from Chainlink Oracle). Players need to guess a specific number or a percentage change in BTC price on Sunday (data will then be synced automatically). Concurrently, players should give the bet amount. **In this game, participants will bet in USDC. The minimum amount is 5 USDC, and no maximum limit.** Players can bet multiple times with different predictions. Each bet will be recorded as one separate entry.

The system will record the Bitcoin price at 23:30 (UTC) every Sunday and then calculate the final score based on the price given by players and the time the prediction was made. The result is calculated automatically by the smart contract with the mathematical model presented above.



The screenshot shows a dark-themed web interface for a crypto price prediction game. At the top, there's a 'Choose Crypto' section with two buttons: 'BTC' (highlighted in purple) and 'SOL' (dark grey). Below this, a box displays the 'Price on Monday' as '\$48,486,326' and the 'Present price' as '\$49,126,479' in green. The main section is titled 'Place your bet' and contains a form with three input fields: 'Your prediction' (showing '\$ 0.00'), a percentage field (showing '0.00 %'), and 'Your bet' (showing '0.00'). To the right of the 'Your bet' field is a dropdown menu set to 'USDC' and a 'Minimum bet: \$5' label. A green 'Submit' button is located to the right of the form.

Users only need to enter the anticipated price change (the specific price or percentage change); the ratio of assets will be calculated automatically. The final score will be calculated by the prediction's accuracy and the time the prediction is placed.

Fee & tax

Participants have to pay an amount fee when playing this game, but it's insignificant. The only kind of fee is the gas for the Solana network, which is very little: for each transaction, players have to pay 0.000005 SOL (approximately \$0.001).

Besides, the winner needs to pay a small tax to the Lamas Finance system (in USDC), which is **2% of the profit** (receipt minus stake). Tax will be divided into 2 parts: 50% goes to Lamas Treasury which is used for rewarding players farming and staking on the system, and the remaining 50% is burned.

In the future, the rate of tax to be burned or given to the treasury will be reconsidered by the users who have governance rights. In addition, it is worth noting that users participating in staking on Lamas Finance will receive a reduction of the game fee. A detailed explanation is in sections 4.2 and 5.1.

2.2. Up or Down

In order to win this game, participants have to speculate whether the SOL/USDT price will go up or down within a given period of time. If players get it correctly, they will win and share the prize pool together.

Data is sourced from Chainlink oracle.

Timeline

Each play takes a total of 30 minutes. There are two stages: prediction and live, each lasts for 15 minutes.

How to play

Step 1: Choose the “UP” or “DOWN” button in the prediction stage. Each button will come with a different multiplier (for calculating reward).

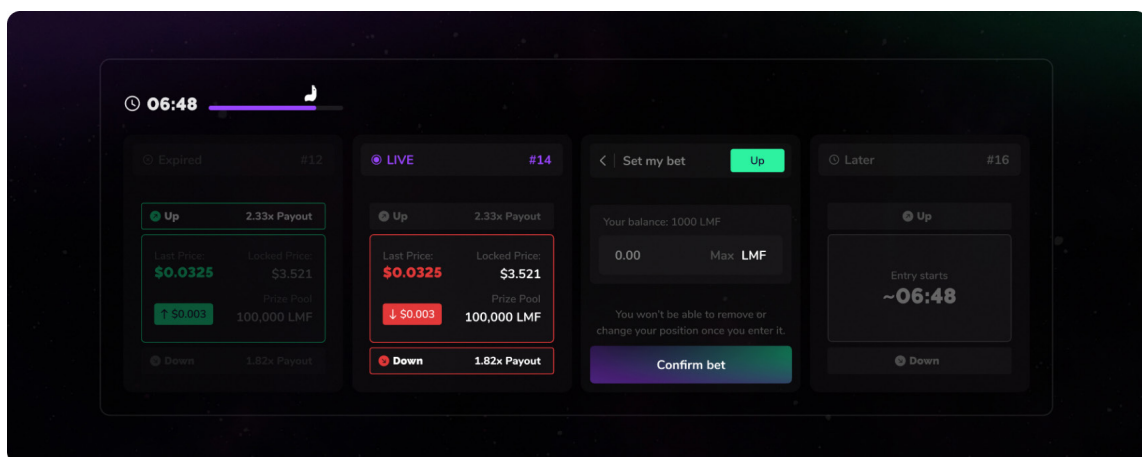
Step 2: Enter the amount of LMF to commit the prediction. (Min: 5 LMF)

Step 3: Wait 15 minutes on the live stage.

Step 4: Check for the result and receive the reward.

Interface walkthrough

There are two stages for each round: prediction stage and live stage. When entering the game, players will see two rounds occurring in parallel. The “LIVE” is occurring for the live stage of the current round, and the “NEXT” is occurring for the prediction stage of the next round. For instance, as the live stage of round 1 starts, the prediction stage of round 2 starts simultaneously. The arrangement of these rounds is as in the picture below.



Payout ratio formula & Reward

The multiplier will change as the betting ratio between UP and DOWN changes. Players with the correct choice will obtain the rewards shared from the prize pool with a corresponding multiplier. The following formulas provide a clear explanation of Payout Ratio and Payout Amount:

$$\begin{aligned} \diamond \text{ *Payout Ratio for UP Pool* } &= \text{Total Value of Both Pools} \div \text{Value of UP Pool} \\ \text{*Payout Ratio for DOWN Pool*} &= \text{Total Value of Both Pools} \div \text{Value of DOWN Pool} \end{aligned}$$

For example, if there's 15 SOL on the DOWN side & 135 SOL on the UP side, the overall prize pool is 150 SOL. Thus, the payout ratio for DOWN will be: $(150/15) = 10x$, for UP will be: $(150/135) = 1.11x$

$$\diamond \text{ *Payout Amount = Payout Ratio} \times \text{*Stake Amount**}$$

In the case above if the round ended with a DOWN result and you committed 20 LMF to the DOWN position, you would get a payout of $20 \times 10 = 200$ LMF. Your profit (tax excluded) would be: $200 - 20 = 180$ LMF.

Fee & tax

As mentioned in the previous section, the Solana gas fee, which is extremely cheap, is the only fee that needs paying. Regarding tax, the winners need to pay a small tax (paid in LMF token) which is 2% of the profit (payout minus stake). This tax will be divided into two parts: 50% is remitted to Lamas Treasury, which is used for rewarding players farming and staking on the system; the remaining 50% is burned.

2.3. Jackpot Lottery

Playing Jackpot Lottery gives users a chance to win huge LMF prizes. It's easy, fair, and users can enter the game at any time, provided that they have sufficient LMF to buy tickets. Jackpot Lottery uses Chainlink's VRF to ensure true and secure randomness throughout the game.

The more numbers matched, the more prize players get. Each ticket sold makes the prize pool bigger. When no one wins the lottery jackpot, the prize pool will be added up to the next play.

Timeline

One draw every day, starting at 11 am UTC and lasting for 30 minutes.

How to play

Step 1: Buy tickets. Each ticket costs 5 LMF.

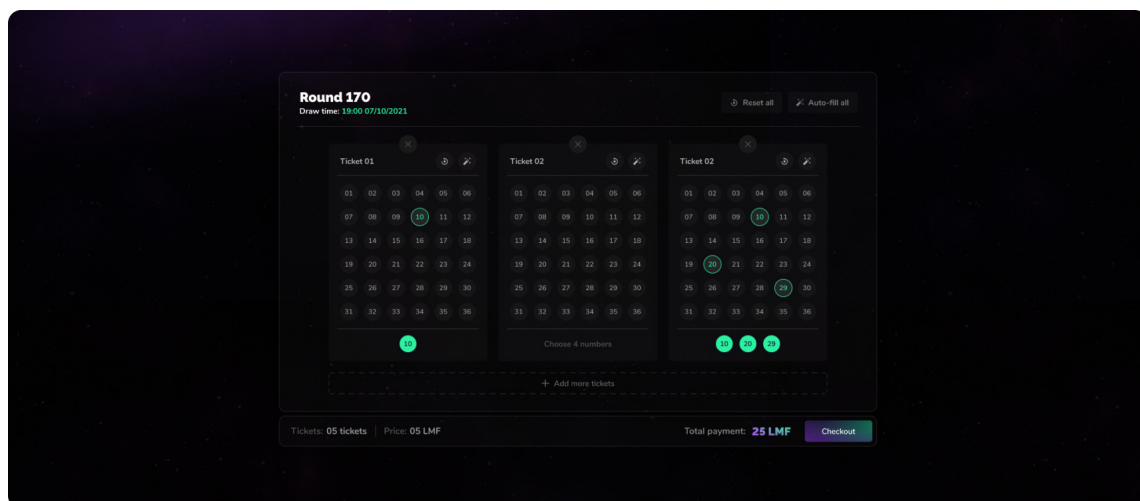
Step 2: Choose 4 different numbers in the range from 1 to 36.

Step 3: Wait for the draw.

Step 4: Check for the prize.

Interface walkthrough

Each ticket costs 5 LMF and is valid for one play only. There is no limit on the number of tickets that a user can acquire. The ticket gives users a set of 4 different numbers between 1 and 36. Players can select by themselves or let the system choose randomly.



Reward

Players can win the jackpot when all of their four numbers match the jackpot number. If just 2 or 3 numbers are matched, players will receive the smaller rewards. Moreover, with at least 1 of 4 numbers matched, users also have the opportunity to get NFT pieces. (See more in 3. NFT). The prizes will be awarded based on the following ratios:

- ✧ *50% pool will be distributed equally to players who have 4 lucky numbers*
- ✧ *20% pool will be distributed equally to players who have 3 lucky numbers*
- ✧ *10% pool will be distributed equally to players who have 2 lucky numbers*

Hence, the total reward for the owners of the winning tickets (with 2; 3 or 4 numbers matched) accounts for 80% of the prize pool, the remaining 20% is kept for the next round. Besides, there will be 30,000 LMF available in the prize pool before the first round of Jackpot Lottery (extracted from Ecosystem pool). If no one wins the game, LMF of that prize pool will be added up to the next round.

Fee & tax

As mentioned in the previous section, the Solana gas fee, which is extremely cheap, is the only fee that needs paying. Regarding tax, an amount of 5% will be extracted from the winners' rewards for a tax payment (paid in LMF token), which will be divided into two parts: 50% is remitted to Lamas Treasury, which is used for rewarding players farming and staking on the system; the remaining 50% is burned.

2.4. Lucky Spinner

This is entirely the game of chance, players will bet an amount of money to spin the wheel. Based on the results of the drawing, they will receive a corresponding amount of bonus. In case users lack a bit of luck, they will lose their bet.

Timeline

No restriction on playing time and times of play.

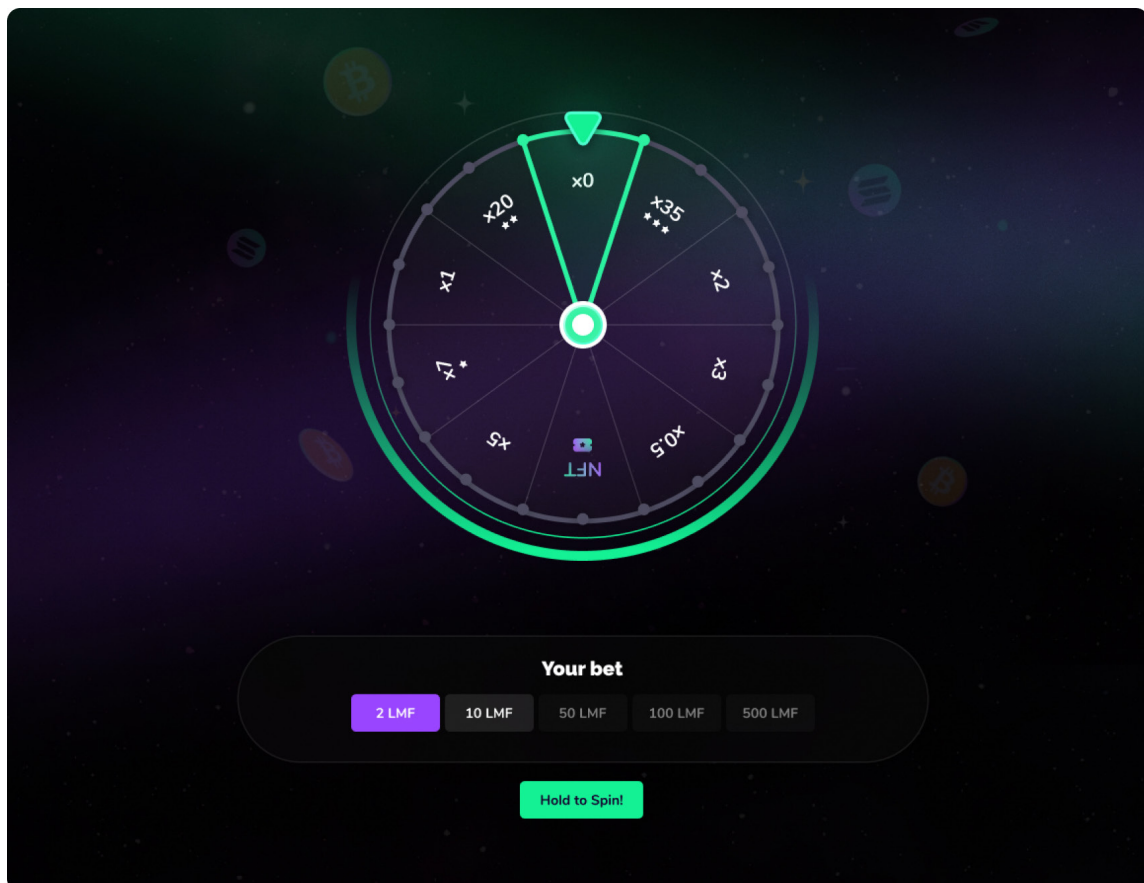
How to play

Step 1: Bet an amount for each entry with one of the following 5 levels

(2 LMF, 10 LMF, 50 LMF, 100 LMF, 500 LMF)

Step 2: Spin the wheel.

Step 3: Check the reward.



Reward

With a bit of luck, when users spin the wheel on the x2 box (and higher), they will receive a reward proportional to the bet and get a chance to collect NFT pieces.

The following results are available in boxes: x0 (all loss), x0.5 (50% loss), x1 (break-even), x2 (double), x3 (multiply 3), x7 (multiply 7), x20 (multiply 20), x35 (multiply 35) and NFT (x1 + 1 NFT card).

The probability of each result is provided in the table. Accordingly, it is easy to calculate the expected value of winning is 0.973 ($= 0 \times 30\% + 0.5 \times 30\% + \dots 35 \times 0.15\% + 1 \times 1\%$), approximately 1. Therefore, players have the fairness assured in Lucky Spinner.

As the game takes place, game contract interacts with the Ecosystem pool to accept bets as well as distribute rewards to the winners.

It is worth noting that the larger the stake, the higher the chance of getting a 3-star NFT. More details about the NFT prize are in the next chapter.

ROI	PROPORTION
x0	30%
x0.5	30%
x1	24.85%
x2	6.00%
x3	4.40%
x5	2.20%
x7	1.00%
x20	0.40%
x35	0.15%
x1 bonus NFT	1.00%
SUM	100%

Fee & tax

As mentioned in the previous section, the Solana gas fee, which is extremely cheap, is the only fee that needs paying. Regarding tax, the winner needs to pay a small tax (by LMF token) to the Lamas Finance system, which is 1% of the profit (payout minus stake). This tax will be divided into 2 parts: 50% is remitted to Lamas Treasury, which is used for rewarding players farming and staking on the system; the remaining 50% is burned.

3. NFT

3.1. NFT Collections

There are four NFT collections corresponding to the four games. Each collection is represented by a picture which is split into 6 different smaller pieces. There are three levels of rarity for each piece, rated as 1, 2, or 3 stars respectively. An NFT piece with 3 stars is quite uncommon. To complete an NFT collection, players have to collect all six different pieces with the same version of rarity.

How to receive NFT

Besides trading and purchasing NFT on Lamas market, players can receive NFT by participating in Lamas's games. As mentioned above, each game rewards players with one corresponding collection. For example, players have to play Up or Down if they want to own the collection of that game.

Below are the rules of receiving NFT in each game.

Price Prediction

Every participant will have a chance to receive a random NFT piece:

SCORE LEVEL	% WIN A RANDOM NFT PIECE
In the top 10 highest scores	100%
Outside the top 10 but achieve a total score of 800 and above	30%
The others	1%

The rarity of NFT corresponds to the amount of staking for each prediction. The higher the amount of staking, the higher probability to get a 3-star card. Appropriate probability distributions are used for later probability adjustments so that the devaluation of NFT is prevented.

Up or Down

The winners will have 1% chance of getting a randomly selected NFT from the Up or Down's collection, compared to a 0.5% chance for the losing side.

The rarity of NFT corresponds to the amount of staking for each bet, which means

the higher the amount of staking, the higher probability to get the 3-star card. Appropriate probability distributions are used for later probability adjustments so that the devaluation of NFT is prevented.

Jackpot Lottery

Every participant will have a chance to receive a random NFT piece:

NUMBER OF MATCHED NUMBERS	% WIN 1-STAR NFT	% WIN 2-STAR NFT	% WIN 3-STAR NFT
One number matched	20%	5%	-
Two number matched	30%	20%	5%
Three number matched	30%	40%	20%
Jackpot (4 numbers)	-	-	100%

Lucky spinner

As mentioned in section 2.4, players will have a 1% probability of hitting the NFT slot. When they have reached this slot, not only do they get a refund on that turn (same as spinning in x1) but also receive an NFT card from the Lucky Spinner's collection.

The rarity of the randomly rewarded NFT card will depend on the player's stake amount on that play. Specifically:

2 LMF	90% 1-star, 10% 2-star
10 LMF	47% 1-star, 50% 2-star, 3% 3-star
50 LMF	25% 1-star, 60% 2-star, 15% 3-star
100 LMF	10% 1-star, 60% 2-star, 30% 3-star
500 LMF	100% 3-star

3.2. Reward

Each week, we will randomly select a “theme-of-the-week collection”. Players who own a completed collection (6 different NFT pieces of the same collection with the same rarity - an equal number of stars) that match the theme collection will have a chance to redeem it (the process of burning the NFT collection) for a valuable reward. The estimated value of the rewards is as follows:

- ✧ *1-star collection: 100 LMF - 500 LMF*
- ✧ *2-star collection: 500 LMF - 2000 LMF*
- ✧ *3-star collection: 2000 LMF - 10000 LMF*

3.3. Burn NFTs

Users can burn some cards of low rarity to create a new random card whose rarity is higher than or equal to the highest rarity of the cards exchanged. Furthermore, when burning cards in bulk on each burn, players have a higher chance of getting cards with high levels of rarity.

3.4. NFT Marketplace

Users can find the NFT pieces they are looking for in the Lamas market by adjusting the filter tool for collection, card, and rarity. Sellers are responsible for paying tax for each transaction, which is 5% of the NFT's value. This tax will be divided into two parts: 50% is remitted to Lamas Treasury, which is used for rewarding players farming and staking on the system; the remaining 50% is burned.

4. YIELD

4.1. Swapping and Adding Liquidity

Lamas Finance allows users to swap and add liquidity (via Raydium pool) for trading pairs: LMF/USDC and LMF/SOL.

4.2. Staking: Stake Single Asset

Users can stake LMF to receive LMF with relatively high APR, rewards are from Lamas Treasury. In addition, participating in staking LMF provides users with two following benefits:

- ✧ *Get tax discount when playing games*
- ✧ *Governance rights*

These two benefits will be discussed more in detail in section 5.1.

4.3. Farming: Stake LP Token

The farming function of Lamas Finance is used in the following processes: users add liquidity and then stake LP tokens to earn interest with extremely high APR. Farming profits are from Lamas Treasury.

In the initial stage, there are two farming pairs provided on Lamas Finance: LMF/USDC, LMF/SOL.

4.4. Lamas Treasury

Lamas Treasury is a reward pool designed to reward users for playing games, collecting NFTs, and especially participating in Defi features of Lamas Finance (staking, farming).

Lamas Treasury will be initialized with 30% of the total LMF token supply (for more details on token allocation, see 5.3). After that, the treasury will be maintained by the following revenue sources:

- ✧ *Taxes collected from games.*
- ✧ *Taxes on NFT transactions on Lamas market.*

The levels of rewards for NFT redemption, staking, and farming on Lamas Finance will be adjusted by the Lamas Foundation Team so that no more than 10% of Lamas Treasury (captured at the beginning of the month) will be taken out for awarding users each month. This reduction will then be offset by the

monthly revenue sources.

In general, Lamas Treasury is a sustainably structured and efficient reward pool, which ensures a stable circulation for the supply of LMF tokens (zero inflationary), and at the same time maintains a high level of incentive for LMF holders as well as users participating in Lamas Finance features.

5. TOKENOMICS

LMF, the native utility token of the Lamas Finance platform, is used for rewarding users and is utilized in all of the system's features. LMF token holders will enjoy many benefits such as rewards from staking & farming programs, reducing transaction fees when playing games, and participating in project management.

5.1. LMF use case & money flow

To participate in games on Lamas Finance, including Price Prediction, Up or Down, Jackpot Lottery, and Lucky Spinner, players need to have sufficient LMF tokens to pay the games' fee. Besides, players can use LMF tokens for betting in the game and receiving profit (except for Price Prediction).

NFT holders can exchange NFT to receive LMF tokens. In addition, users can utilize LMF tokens to trade NFT in the Lamas NFT marketplace.

In addition, LMF holders can also stake their tokens for a profit with a high APR. Moreover, they also receive the following two benefits:

Fees reduced when playing games and trading NFT:

- ✧ Level 1 (200 <= stake amount < 1000): 10% reduced
- ✧ Level 2 (1000 <= stake amount < 3000): 25% reduced
- ✧ Level 3 (stake amount > 3000): 50% reduced

Governance rights:

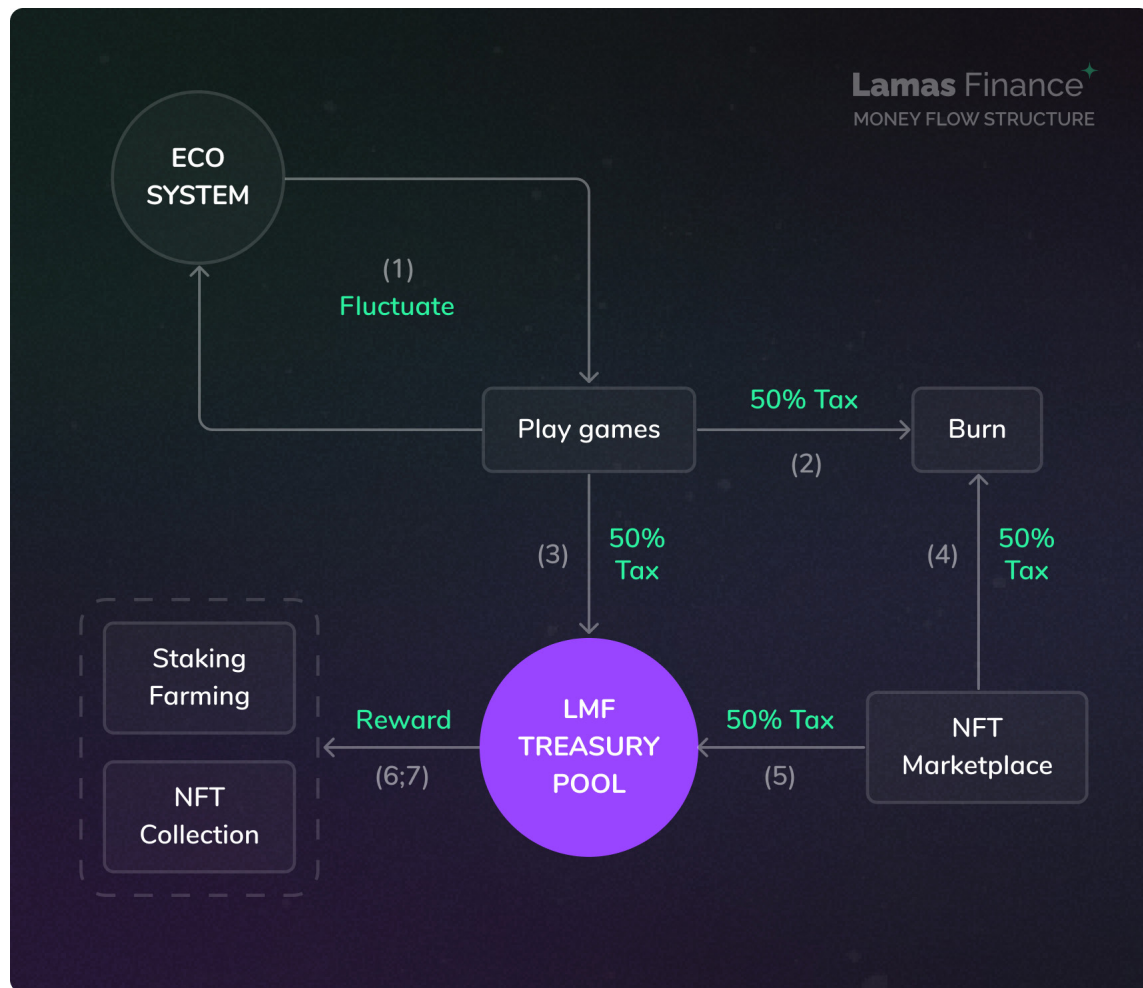
Initially, the Protocol is designed and implemented by the foundation team of Lamas Finance. LMF token holders who have staked LMF for 30 days or more are also given the mentioned governance right. Lamas Finance's governance rights include the following privileges:

- ✧ Decide the bonus score in Price Prediction.
- ✧ Decide to open more crypto pairs to predict in Price Prediction and Up or Down.
- ✧ Decide the pool of numbers in Jackpot Lottery
- ✧ Decide the reward distribution ratio for the levels of prize in Jackpot Lottery.
- ✧ Decide the percentage ratio of the burned tax to the tax that will be remitted to the treasury (originally 50%:50%).
- ✧ Suggest new features.

Appropriate administrative features can be added from users' feedback. Besides, to incentivize users to participate in this process, there may be some profit for users who participate in voting.

Regarding the farming function, LMF token holders can also add liquidity and stake LP tokens to farm with extremely high APR.

Lamas Finance's money flow structure is represented in the below chart:

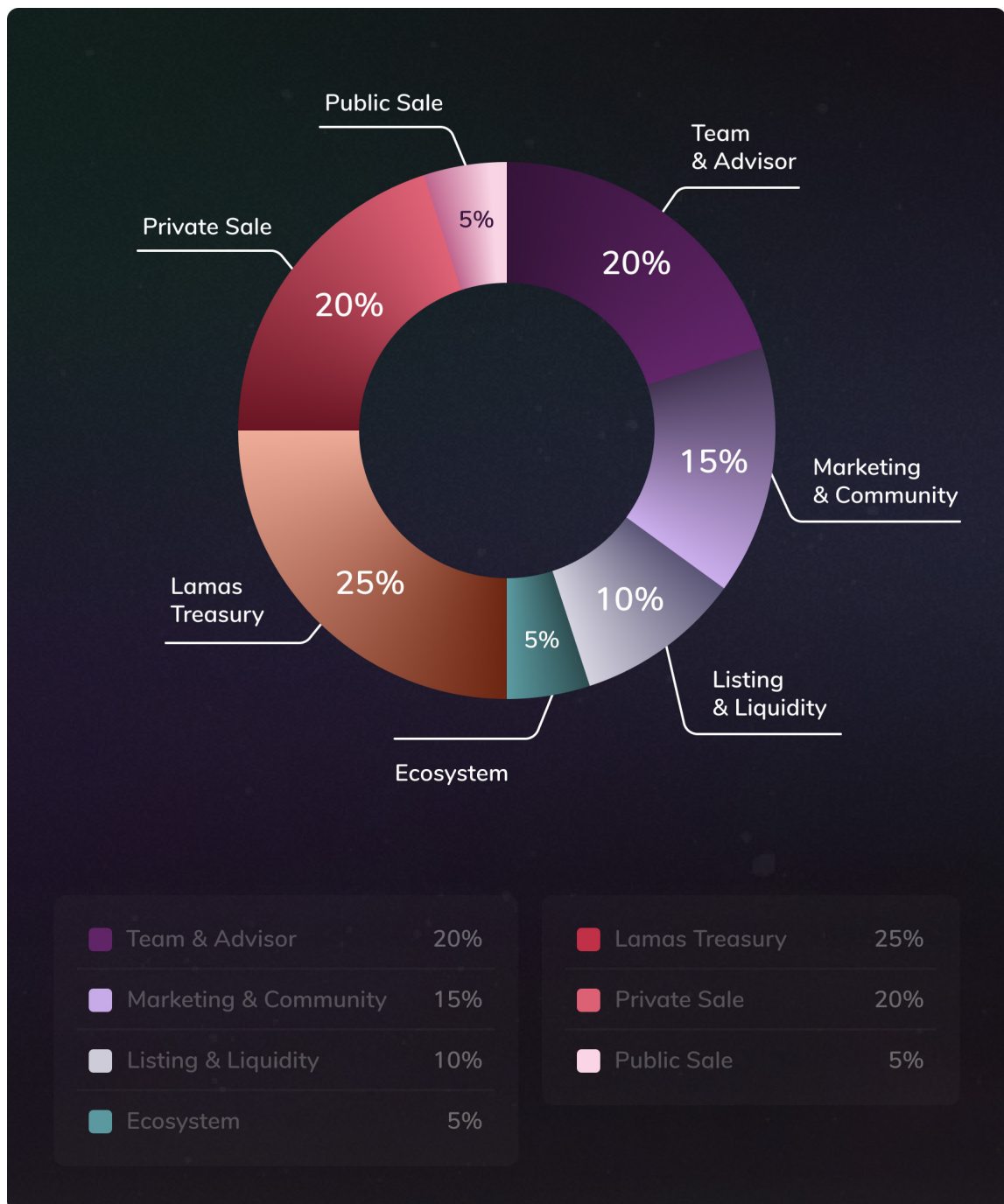


- When participating in the games, users interact with the Ecosystem Pool (1). If they win, there will be a tax applied to their profit. This tax will be divided into 2 parts: burned (2) or remitted to Lamas Treasury (3).
- In addition, NFT pieces collected during the gameplay can be traded and 5% of the transaction value will be taken for tax payment. This tax will be divided into 2 parts: burned (4) or remitted to Lamas Treasury (5).
- Finally, the rewards for users who own completed NFT collections (6) and interest for stakers and farmers (7) will be allocated from Lamas Treasury.

5.2. LMF key metrics

- ✧ Token Name: Lamas Finance
- ✧ Ticker: LMF
- ✧ Blockchain: Solana
- ✧ Token Standard: Solana
- ✧ Total Supply: 10,000,000 LMF

5.3. LMF Token Allocation



5.4. LMF Vesting Plan

- ✧ Team & Advisor: 6-month cliff, linear vest within the next 12 months
- ✧ Marketing & Community: 20% distributed in the first 1 month, the rest 80% will be distributed in the upcoming events within 12 months (from TGE)
- ✧ Listing & Liquidity: 30% at TGE for DEX listing, 70% for CEX listing
- ✧ Ecosystem: used for the game (fluctuating)
- ✧ Lamas Treasury: used for yield & incentives
- ✧ Private Sale: 10% at TGE, linear vest within the next 12 months
- ✧ Public Sale: 40% at TGE, 60% linear vest within the next 2 months



5.5. LMF Sale Detail

✧ Private Sale

Allocation: 20%

Token for sale: 2,000,000 LMF

Price: \$0.1 - \$0.2

✧ Public Sale

Allocation: 5%

Token for sale: 500,000 LMF

Price: \$0.4

Fund-raise: \$200,000

✧ Dex Listing (Raydium Liquidity)

Initial circulating supply: 700,000 LMF
(3% liquidity + 2% private + 2% public = 7%)

Price: \$0.4

Initial market cap: \$280,000

Fully diluted market cap: \$4,000,000

6. ROADMAP

The fourth quarter of 2021

- ✧ Complete whitepaper & documents
- ✧ Launch official website
- ✧ Launch community & media
- ✧ Private sale

The first quarter of 2022

- ✧ Testnet for 4 games
- ✧ Whitelist & Public sale
- ✧ TGE & DEX listing (Raydium)
- ✧ Swapping & adding liquidity
- ✧ Mainnet for 4 games
- ✧ Launch Farming & Staking

The second quarter of 2022

- ✧ CEX listing
- ✧ Presale NFT
- ✧ Launch “Play to Earn NFT”
- ✧ Launch NFT Marketplace

The third quarter of 2022

- ✧ Launch “Burn NFT”
- ✧ Launch “NFT Reward”
- ✧ Governance function

The fourth quarter of 2022

- ✧ Lending protocol
- ✧ Multi-chain support for all games

2023...

- ✧ Release new Dapp games