REDEMPTION TOKEN (RDTN)

WHITEPAPER

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Door To Financial Freedom With On-Chain Bonds, Staking, & Lottery

Earn Through Low Risk & Secure DeFi Protocols

ABSTRACT

Redemption is a community-driven income generation project that operates a decentralized community--owned treasury and a suite of decentralized finance platforms (dApps) for crypto-powered Bonds, Staking, and Lottery to let you earn with no limitations.

The main aim is to decentralize and crowdsource the modes of earnings and let you make money in easier ways without requiring any financial expertise, third-party involvements (like banks and govs), and exhaustive minimum threshold requirements that traditional finance puts in place as barriers for commoners.

On top of it, the collective ownership & on-chain governance by the tokenholders truly democratizes the decision-making, wipes out the risks of fraud, and uses guilds to deploy suitable and motivated talent to perform the DAO operations.On top of it, the collective ownership & on-chain governance by the tokenholders truly democratizes the decision-making, wipes out the risks of fraud, and uses guilds to deploy suitable and motivated talent to perform the DAO operations.

The redemption project consists of Four vital components that are entwined together:

➔ Redemption Token (RDTN) (A utility & Governance Token)

a. Built on BNB Smart Chain
b. Provides proportionate governance & ownership rights
c. Available on DEX for Trading
d. Utilized for Participating in Lottery and Staking.
e. Profits from bonds are also dispensed in RDTN form.
f. Low taxes and deflationary token.

➔ **Redemption Puttable Bonds (RDBN).**

a. Unique on-chain crypto bond protocol based on ERC-3475 Standard.
b. Puttable means that bonds can be redeemed any time at their face value
c. Stable Profits at maturity (3 months, 6 months, 9 months and 1 year)
d. Win Weekly prizes as an additional incentive to invest in bonds.
e. 100% backed by Assets in Redemption DAO Treasury

➔ **Redemption Decentralized Platform/ DApp**

a. De-Fi Platforms managed by Redemption DAO
b. Increase your governance rights with Redemption investment models.
c. A suite of DApp to let users participate in Redemption Bonds, Staking, Lottery, and Governance.
d. Lets you manage your own Investment Portfolio at Redemption.

➔ **Redemption DAO**

a. Manifesto of Redemption DAO is to decentralize and crowdsource the modes of earning by adopting proposals generated by the community of RDTN Holders.
b. Redemption DAO is at the center of the Redemption Project. It operates a treasury to manage and allocate the financial resources of the project effectively.
c. Create new proposals for improvements in the project or vote on existing proposals.
d. Redemption uses the “SafeSnap” Plugin on “Snapshot”, which enables decentralized execution of crypto governance proposals, through **on-chain execution of off-chain votes**

PROBLEM STATEMENT

It is often considered hard to make money through profitable investments and people spend years getting stable and long-term streams of income. Cryptocurrency revolutionized the world and provided people with the opportunity to earn quickly.

However, a lot of people still believe that earning with cryptocurrency either requires a high level of expertise or you need heavy capital to begin in the first place. While both of these things are true in one way or another, Redemption has a solution for you.

OUR SOLUTION

Why Redemption Started?

Redemption lets you earn financial freedom even if you don't know anything about the crypto world or don't have hundreds of thousands of dollars. The best part about the entire thing is that you do not have to wait for years to get your rewards. It's just a matter of months, weeks, and even days in some cases.

With Redemption Bonds, not only can you keep your principal secure but also get high returns and a chance to win high Prizes.

Redemption's Solution

Redemption offers a mix of secure and profitable investment instruments to grow your financial holdings. Redemption smart contract is written in a way that it offers very
aggressive and positive price actions on its token because of its utility in our powerful investment schemes. Since Redemption is a utility token, there will always be more demand pressure on the token in the liquidity pools, since more people want to **HODL** the token because of Staking and Voting Rights in DAO.

a. With Redemption Bonds, not only can you keep your principal secure but also get high returns and a chance to win high Prizes.
b. With Lottery, consisting of multiple pools, participate to win Huge prizes.
c. With Staking, increase your token holdings and gain more governance and profit rights at the Redemption treasury.

Redemption token is also a Governance token. It gives proportional voting & governance rights to its holders. Token holders can gain more voting rights and management stakes to steer the project in a suitable direction by increasing their holdings in the token.

HOW TO MINT MONEY WITH REDEMPTION?

Redemption offers 3 Easy approaches to earning unlimited money. From low to no-risk investment opportunities, we have described each one in detail so you know how to make money fast and easily.

1. Redemption Bonds

Blockchain-powered savings protocol backed by Redemption Treasury. Keep your principal amount 100% secure & get profit on your Redemption bonds. SAVE money and also have a chance to WIN Prizes every week. Bonds can be redeemed at any time at their face value if you have an urgent need of funds elsewhere.

2. Staking

Redemption Token backs Redemption Bonds as collateral. Stake your RDTN to contribute towards token price stability. As a reward, earn more Redemption to increase your Governance & Dividend rights in Redemption Treasury.

3. Lottery

Unlike traditional lotteries, Redemption does not provide you with one in a million chances of winning a lottery. We have revolutionized the lottery world by offering **5 different smart contract based lottery pools** based on the active number of lottery players that can play in a pool thus increasing your chances of winning the jackpots.

Start with as low as ~5 USD in Redemption and win millions. REDEMPTION smart contract draws a random number to determine the winners of each prize pool. Match the winning lottery number with your tickets. If they match, you will win.

REDEMPTION BONDS

Win Through Savings

"Redemption bonds" is a revolutionary on-chain bonds protocol that offers puttable bonds with fixed profit rates at maturity and also provides the opportunity to win prizes on a weekly basis at each individual bonds level, providing an additional incentive to invest. These bonds are unique in a way that they offer the flexibility to redeem your bonds and receive your original principal at any time. Redemption bonds are similar to prize bonds but also offer fixed and competitive profit rates at maturity. They are developed using the ERC-3475 standard and run on the Ethereum blockchain.

Puttable Bonds

Redemption bonds are puttable ERC-3475 Bonds, which means that investors have the option to sell their bonds at their par value, back to the Redemption Treasury before they reach maturity. The basic ERC-3475 contract does not have this feature, but it can be used as a foundation to create a Puttable ERC-3475 contract that incorporates the logic for putting bonds. This way, investors can take advantage of the flexibility that puttable bonds offer, while still benefiting from the features of the basic ERC-3475 contract.

The Puttable ERC-3475 contract inherits all methods and properties of the abstract storage bonds standard EIP-3475, which allows it to include the additional functionality required for putting bonds. By inheriting the basic ERC-3475 contract, the Puttable ERC-3475 contract also benefits from its reliability and security.

In a nutshell, Redemption Bonds are the most innovative and secure crypto bonds.

Salient Features of Redemption Bonds are:

a. **Secured Principal:** Keep your Principal 100% Secured as Bonds are backed by the assets in Redemption Treasury.
b. **Get Lucrative Returns:** Hold your Redemption bonds till maturity to get profits and earn through savings.
c. **Win Prizes:** Get a chance to Win Weekly Prizes over and above your Principal Amount.
d. **Redeemable Anytime:** You can redeem your bond and get your Principal back anytime you want at its face value.

Redemption Bonds Denominations

You can get the Redemption bonds worth of (USD):

- ➔ $100 Denomination (4 Prize draws every month)
- ➔ $500 Denomination (2 Prize draws every month)
- ➔ $1,000 Denomination (1 Prize draw every month)
- ➔ $10,000 Denomination (1 Prize draw every 3 months)

Please note, these bonds can only be bought Redemption dApp.

The Maturity Periods

- ➔ 3 Months
- ➔ 6 Months
- ➔ 9 Months
- ➔ 12 Months

LONGER MATURITY PERIODS OFFER THE HIGHER PROFIT RATES.

Features

a. **Non-fungible:** Not like any form of ERC-20 LP token, a with different nonce is not mutually interchangeable, hence not fungible.
b. **Multi-dimensional:** Each ERC3475 Redemption Bond stores an array of integers, not like an ERC-20 token can store only a mapping from an address to a balance. This feature is used to store redemption conditions and different interest rates.
c. **Gas-efficient:** Current existing fragmentation of LP or NFT use ERC-20 token standard. This means each fragmentation of NFT or LP needs the deployment of a new smart contract. Thus generate an unnecessary gas expense,
d. **Multiple fragments:** Because of the high gas spent, the current fragmentation systems must limit the number of classes and sub-categories generated. ERC-3475 can in turn generate almost countless classes and sub-categories without the need to publish a new smart contract.
e. **Puttable:** the debts that a Redemption Bond represents must be fulfilled when the conditions are met. It can be a fixed amount of repayment or any floating interest based on a predetermined index factor.
f. **Obligated:** ERC-3475 obliges both the Redemption Treasury and the creditors to fulfill their promise. This feature can be used to make sure that the Liquidity will not be emptied suddenly. In return, the Redemption Treasury will ensure the promised yield.
g. **Marketable:** Debond is itself a financial product that will be allowed to be exchanged on a secondary market in the later phase of the project.

Issuance of Bonds

To manage the issuance and redemption of Redemption Bonds, a smart contract will be deployed on the Ethereum blockchain. The smart contract will have functions for issuing new bonds, redeeming bonds, and managing the collateral pool.
When a new bond is issued, the smart contract will calculate the required amount of collateral based on the denomination of the bond. The formula for calculating the required collateral is:

$$requiredCollateral = bondDenomination / (1 - collateralizationRatio)$$

Where bondDenomination is the face value of the bond and collateralizationRatio is the ratio of collateral to bond value (e.g., 1.0 for a 100% collateralization ratio).

Management of Bonds

Although most of the work will be done by smart contracts a guild will be made to oversight the entire management process. Its members will be elected by Redemption Tokenholders and will consist of members who have expertise in bond management, finance, and blockchain technology. They will also oversee the automated monitoring system and will be responsible for adding more assets to the collateral pool if the collateralization ratio falls below the required level.

The Redemption Bonds Guild will provide regular reports to the Redemption DAO and the Bondholders to ensure transparency and accountability. These reports will include information about the collateralization ratio, the amount of assets in the Redemption Treasury, and the status of outstanding Bonds.

the Redemption Bonds Guild will play a critical role in ensuring that the Bonds are managed in a secure and responsible manner. They will work closely with the smart contracts to ensure that the Bonds are always backed by the assets in the Redemption Treasury and that Bondholders are able to redeem their Bonds at maturity.

Collateral Pool Management

The collateral pool is a specific pool in Redemption Treasury that will be managed by the smart contract. It will hold the collateral assets in a separate pool. The smart contract will have functions for adding and removing collateral from the pool. To ensure the bonds are fully collateralized, **the smart contract will only allow bonds to be issued if there is sufficient collateral in the pool.**

The collateral pool will be managed by smart contract and the Redemption DAO Treasury. The collateralized assets will be locked in a special pool, which will be audited periodically to ensure that it is fully backed by the issued bonds. The pool will be monitored to ensure that it is always collateralized at the appropriate ratio. If the collateralization ratio falls below the required level, the Redemption DAO will need to add more assets to the pool to bring it back up to the required level.

The smart contract uses an automated monitoring system to constantly check the collateralization ratio of the bonds pool. If the ratio falls below the required level, the smart contract will trigger an event to alert the Redemption DAO that additional assets need to be added to the pool.
To implement this function in the smart contract, we will define a minimum collateralization ratio threshold variable, such as ‘MIN_COLLATERALIZATION_RATIO’. We can also define a function, ‘checkCollateralizationRatio()’, that calculates the current collateralization ratio and compares it to the ‘MIN_COLLATERALIZATION_RATIO’. If the ratio falls below this threshold, the function will trigger an event to alert the Redemption DAO administration to add more assets to the pool.

```
uint256 public constant MIN_COLLATERALIZATION_RATIO = 1e18; // minimum collateraliza-
tion ratio threshold (1:1)

function checkCollateralizationRatio() public view returns (bool) {
    uint256 totalValueLocked = calculateTotalValueLocked(); // calculate the total value of assets
locked in the pool
    uint256 totalDebt = calculateTotalDebt(); // calculate the total value of bonds issued
    uint256 collateralizationRatio = totalValueLocked / totalDebt; // calculate the current collateral-
ization ratio
```

```
 if (collateralizationRatio < MIN_COLLATERALIZATION_RATIO) {
        emit CollateralizationRatioBelowThreshold(totalValueLocked, totalDebt, collateralization-
Ratio); // trigger an event to alert the Redemption DAO
        return false;
    }

    return true;
}
```

In this example, the ‘calculateTotalValueLocked()’ and ‘calculateTotalDebt()’ functions would be implemented to calculate the total value of assets locked in the pool and the total value of bonds issued, respectively. If the current collateralization ratio falls below the ‘MIN_COLLATERALIZATION_RATIO’, the function will trigger an event (such as ‘CollateralizationRatioBelowThreshold’) to alert the Redemption DAO that additional assets need to be added to the pool.

Collateral Size Determination & Oracle

To determine the price of RDTN tokens and how many tokens to lock in the collateral pool, an oracle will be used. The oracle will provide a price feed for RDTN and the smart contract will use this price to calculate the required amount of RDTN tokens to lock in the collateral pool. The formula for calculating the required amount of RDTN tokens is:

requiredRDTN = requiredCollateral / RDTNPrice

Where RDTNPrice is the current price of RDTN as provided by the oracle.
For example, if the collateralized assets are $100,000 and the current price of RDTN tokens is $0.10, the amount of RDTN tokens required to be locked in the pool will be 1,000,000 RDTN tokens.

here's an example of how the oracle integration function will look like in Solidity programming language:

```
// Importing the required contracts and libraries
import "@chainlink/contracts/src/v0.8/interfaces/AggregatorV3Interface.sol";

// Defining the contract for RDTN price oracle
contract RDTNPriceOracle {

    // Defining the aggregator contract for RDTN price feed
    AggregatorV3Interface internal priceFeed;

    // Constructor function to set the RDTN price feed contract address
    constructor() public {
        priceFeed = AggregatorV3Inter-
face(0x9326BFA02ADD2366b30bacB125260Af641031331);
    }

    // Function to get the current RDTN price in USD
    function getRDTNPrice() public view returns (uint256) {
        (
            uint80 roundID,
            int256 price,

            uint256 startedAt,
            uint256 timeStamp,
            uint80 answeredInRound
        ) = priceFeed.latestRoundData();
        return uint256(price);
    }

    // Function to calculate the amount of RDTN to be locked in collateral pool
    function calculateCollateralAmount(uint256 totalBondAmount) public view returns (uint256) {
        uint256 rdtPrice = getRDTNPrice();
        uint256 collateralAmount = totalBondAmount * rdtPrice / 1e18;
        return collateralAmount;
```

In this example, we are using the **Chainlink AggregatorV3Interface** to fetch the latest RDTN price feed data. We set the RDTN price feed contract address in the constructor function, and then define a 'getRDTNPrice()' function to return the current RDTN price in USD.

We also define a 'calculateCollateralAmount()' function that takes the total bond amount as input and uses the RDTN price to calculate the amount of RDTN tokens that need to be locked in the collateral pool to back the bonds at a 1:1 ratio. This function will be called by the smart contract to determine the amount of collateral to be locked in the pool.

We can further integrate these functions in our smart contract, along with other functions and workflows that we have discussed earlier, to create a fully functional Redemption Bonds system on the blockchain.

Redemption of Bonds

➔ **Before Maturity**

To redeem a bond before maturity, the bondholder will use the Redemption Bonds dApp, which will call the redeem function on the smart contract and specify the number of bonds they wish to redeem. The smart contract will then transfer the face value of the bonds to the bondholder's account and release the required collateral from the collateral pool. The formula for calculating the required collateral to release is:

requiredCollateral = redeemedBonds * bondDenomination * collateralizationRatio

Where redeemedBonds is the number of bonds being redeemed.

➔ **At Maturity**

To redeem a bond at maturity, the bondholder can simply hold onto the bond until it reaches maturity. At maturity, the bondholder will call the redeem function on the smart contract and the face value of the bond and Profits earned will be transferred to the bondholder's account.

When a bondholder wants to redeem their bond at maturity, they can simply call the redeem function on the smart contract using dApp. The smart contract will then calculate the face value of the bond and the profits earned based on the bond's denomination and the maturity period. The profit calculation is based on a fixed rate of return for a fixed period. The smart contract uses a formula to calculate the profit based on the face value of the bond, the profit rate, and the maturity period. The formula for calculating profit is:

Total Transferable Value = Denomination * (1 + Profit Rate * Maturity Period)

Where:
'Denomination' is the value of the bond denomination
'Profit Rate' is the fixed profit rate offered by the Redemption Bonds
'Maturity Period' is the number of days between the issuance date and maturity date

Prize Pool Calculation

The prize pool is funded by a portion of the tax collected on every transaction of RDTN tokens, returns from DAO investments, and unclaimed prize amounts from unwon lottery pools. Specifically, a certain percentage of the 3% tax collected on every transaction will be allocated to the prize pool, along with any unclaimed prizes from unwon lottery pools and returns from the DAO's investment portfolio.

To calculate the prize pool for each bond issuance, we use the following formula:
PC = (TC × P%) / 100 + RC + IC
Where:
PC = prize pool for the bond issuance
TC = total RDTN transaction volume during the bond period
P% = percentage of transaction tax allocated to prize pool (i.e. 15%)
RC = unclaimed prize amounts from previous bond issuances
IC = returns from the DAO's investment portfolio

How The Winning Number is Drawn?

Bond Lucky draws require randomness to create unpredictable, fair, and tamper-proof drawings and distribution of the rewards.

Like lottery, Redemption utilizes Chainlink's Verifiable Random Function (VRF) service in Bonds for generating randomness of a matching number for the winning ticket to guarantee fair and auditable rewards distribution and user engagement.

Burning The Bonds

After a bond is redeemed at maturity, it will no longer be valid, and the Redemption DAO needs to remove it from circulation to maintain the integrity of the system. This is accomplished through a process called "burning."

The bondholder will initiate the process by calling the redeem function on the smart contract, which will verify that the bond is valid and has not been previously redeemed. The contract will then calculate the total amount to be paid to the bondholder, which will be the face value of the bond plus the profits earned.

Once the total amount to be paid has been calculated, the smart contract will transfer the funds to the bondholder's wallet. At the same time, the smart contract will burn the redeemed bond. This is achieved through the use of the burn function in the smart contract, which will destroy the token and remove it from circulation.

Burning is done by sending the redeemed bond to a specific address, often referred to as the "burn address." This is an address that is hardcoded into the smart contract and is not associated with any user or organization. Any bonds sent to this address are cannot be accessed by anyone. Any tokens sent to this address are considered "burned" and are removed from circulation permanently.

The burn function works by subtracting the balance of the redeemed bond from the total supply of bonds. This reduces the number of bonds in circulation and ensures that the number of bonds in the pool always matches the number of assets held in the Redemption Treasury. The mechanism behind burning ensures that the supply of bonds is kept in check and prevents the dilution of the value of the bonds.

Redemption Bonds Workflows

Based on all the aforementioned specifications of Redemption Bonds, here is a graphical representation of Bonds Issuance, collateralization, & Redemption process.

Why Redemption Bonds?

a. Here are a few things that make investments in Redemption Bonds the best investment ever.

b. **Higher Returns Than Market:** Redemption Bonds offer the potential for high returns compared to traditional bonds, thanks to the volatility of the cryptocurrency market.

c. **Win Prizes:** Redemption offers investors the opportunity to win prizes on a weekly basis, providing an additional incentive to invest.

d. **Transparency:** Redemption Prize draws are 100% transparent with no involvement of any person because it works on a smart contract and you can track your investment in real-time and have access to detailed information about the bond.

e. **No Middlemen:** Investing in Redemption Bonds means cutting out middlemen such as banks or brokers, resulting in lower fees and costs.

f. **Secured:** Onchain crypto bonds are secured by blockchain technology, which provides an added layer of security and transparency.

g. **Redeemable Anytime:** Our on-chain crypto bonds can be redeemed at any time, giving you greater flexibility and control over your investment.

h. **Non-Custodial:** You are the owner of your deposited funds at any given time and no other person in the world can access your funds. Redemption is non-custodial. It means that you can redeem your money whenever you want.

i. **Open-Source Contract:** The entire code of the smart contract is open-source. You can read and verify the contract anytime to see how the entire system is automatically working.

j. **Backed By Treasury:** All issued Redemption Bonds are 100% backed by the assets owned by Redemption Treasury using an algorithm, providing security to bondholders.

k. **High Potential:** The crypto bond market is an emerging market, which means there are opportunities to invest early and potentially reap significant rewards as the market grows.

STAKING

Earn Rewards Holding Redemption Tokens

RDTN is a governance token that provides you with voting rights & dividends proportional to your holdings. Stake your Redemption to strengthen the protocol & earn rewards at a higher APR which increases your RDTN holdings, ultimately increasing your Governance & Dividend rights in Redemption Treasury.

This is a perfectly automated system that manages rewards with weighted averages that not only take into account the time during which the tokens have been allocated in the pool but also consider the total amount of tokens paid in.

The staking period is fixed at the creation of each pool which blocks the token's sale in the pool's smart contract. Once the staking period ends, the reward in tokens is distributed, according to the weighted average system. The accrued reward can be requested directly via the smart contract function which is connected to the web app GUI.

Staking Pool Durations

Redemption offers multiple staking periods. The longer the period is, the better the rewards are. Here are the available staking periods.

- **Short Term Staking Period (1 Month)**
- **Medium Term Staking Period (3 Months and 6 Months)**
- **Long Term Staking Period (1 Year, 2 years, and 3 Years)**

How To Earn With Staking?

- Create your wallet and connect it with our Redemption token.
- Buy Redemption Tokens from Liquidity Pools via your Wallet
- Lock Your tokens in any fixed period staking pool on our dApp to earn the desired APR on your token. Each staking period also highlights the reward (APR) you will be getting at the end of the period. The longer you stay, the better rewards you get. Hence, choose accordingly.
- Automatically get your reward on the Lucky Draw of the staking period.
- You will get your principal tokens (i.e., your original investment) as well as reward tokens in Your Wallet (depending on your staking period).
- Cash-out or Start again to earn more.

LOTTERY

100% Decentralized Lottery & Prize Pools

Redemption offers the first-ever blockchain-based lottery to offer 5 Different Lottery pools based on the number of digits to be matched to be deemed a winner.

From 5 Digit match pool (which offers the highest reward but low winning chances) to 1 digit match pool (which offers low reward but highest Wining chances), choose your tradeoff between the Highest chances or the Highest reward. You can start for as low as $5 worth of RDTN.

The Redemption lottery will run on a blockchain-based smart contract. The best thing about switching to a blockchain for a customer is the reliability, security, and transparency of the system.
In simple terms, what it means is that you do not have to trust any neutral third party (the “house”) to organize the game. The best thing about this system is that all the rules of the game are predefined in the form of a smart contract.

Benefits of Decentralized Lottery

- All the rules are predefined and are automatically executed, so there is no chance of cheating.
- As the system is running on blockchain, no one can tamper with the rules. (NOT even the developer).
- No one can disappear with your money.
- There is complete transparency in the competition rules because the rules are written on a smart contract and allow you to see the rules.
- Anyone can participate, regardless of their location or financial situation.
- We have lower minimum bet amounts, making the lottery accessible to everyone.

How Does the Redemption Lottery Work?

Lottery Specs

- Each Lottery ticket costs: ~5 USD in Redemption tokens (RDTN).
- There is no overall limit to the number of lottery tickets.
- Each ticket has a random 6-digit combination with each digit between 0-9 numerical numbers.
- For security and randomness of a matching number for the winning ticket, the Redemption lottery utilizes Chainlink's implementation of a Verifiable Random Function (VRF).

Multiple Digit Lotteries (Highest Winning Chances)

Redemption offers a total of 5 different types of lottery pools. These include

- ➔ 1 Digit Prize Pool (Only 1 Winner with an overall probability of 1/10)
- ➔ 2 Digit Prize Pool (Max 10 Winners with an overall probability of 10/100)
- ➔ 3 Digit Prize Pool (Max 10 Winners with an overall probability of 10/1,000)
- ➔ 4 Digit Prize Pool (Max 109 Winners with the overall probability of 109/10,000)
- ➔ 5 Digit Prize Pool (Max 109 Winners with the overall probability of 109/100,000)

Each Pool can have multiple winners except the 1 Digit Match pool. Hence, the Redemption lottery has the highest chances of winning for any participant. Here are the details of all Lottery pools.

					In Case of Max Sale		
Reward Scale in Max Sale	**Matching Digits to win lottery's 1st Prize**	**Price per ticket**	**Lucky Draw Happens**	**No. of Lucky Draws Per Month**	**Max no of tickets that can be sold**	**Max Prize**	**Total Fee Collection**
9 Times Investment	1	$100	Every Day	30-31	10	$900	$100
90 Times Investment90	2	$50	Every Day	30-31	100	$4,500	$500
900 Times Investment	3	$20	Every Week	4	1,000	$18,000	$2,000
9000 Times Investment	4	$10	Every Fortnight	2	10,000	$90,000	$10,000
90000 Times Investment	5	$5	Every Fortnight	2	100,000	$450,000	$50,000
Total				**68-70**		**$563,400**	**$62,600**

High Probability to Win

From single to 5 Digit match lotteries, multiple lottery pools with multiple winning prize brackets significantly increase your chances of winning a lottery. Here is your probability of winning in each Lottery pool.

Probability to Win							
	1 Digit Match	**2 Digit Match**	**3 Digit Match**	**4 Digit Match**	**5 Digit Match**	**Overall Probability**	**Winning Ratio**
1 Digit Pool	1/10	N/A	N/A	N/A	N/A	**1/10**	**1/10**
2 Digit Pool	9/100	1/100	N/A	N/A	N/A	**10/100**	**1:10**
3 Digit Pool	No Reward	9/1,000	1/1,000	N/A	N/A	**10/1,000**	**1:100**
4 Digit Pool	No Reward	99/10,000	9/10,000	1/10,000	N/A	**109/10,000**	**1.09:100**
5 Digit Pool	No Reward	No Reward	99/100,000	9/100,000	1/100,000	**109/100,000**	**0.109:100**

Lottery Pool Value & Prize Distribution

The amount of tokens collected through lottery tickets in a given lottery is managed as follows:

- 10% goes to the fees for ecosystem development.
- 90% of the collected value is the eligible distribution prize, which will be divided among the different winning brackets as follows:

Lottery Pool Prize Distribution					
Pool Type	**1 Digit Match Winner**	**2 Digit Match Winner**	**3 Digit Match Winner**	**4 Digit Match Winner**	**5 Digit Match Winner**
1 Digit Pool	100%	N/A	N/A	N/A	N/A
2 Digit Pool	30%	70%	N/A	N/A	N/A
3 Digit Pool	0%	30%	70%	N/A	N/A
4 Digit Pool	0%	10%	20%	70%	N/A
5 Digit Pool	0%	0%	10%	20%	70%

- If in case, a lottery round is not won by any participant or there is no winner in one or more prize brackets, some portion of the prize money is carried forward to the next round and the rest is collected as a dividend for the token holders. The distribution of this prize money is utilized as under:
  a. 50% of the un-won round's prize amount is carried forward to the next pool
  b. 25% of the un-won round's prize amount is shared as a dividend with all eligible token holders
  c. 20% of the un-won round's prize amount is moved into the Redemption Bonds Prize Pool.
  d. 5% of the un-won round's prize amount will be used for Token Burn

How The Winning Number is Drawn?

Lottery draws require randomness to create unpredictable, fair, and tamper-proof drawings and distribution of the rewards.

Redemption utilizes Chainlink's Verifiable Random Function (VRF) service for generating randomness of a matching number for the winning ticket to guarantee fair and auditable rewards distribution and user engagement.

How to Win?

Once the timer ends, the VRF will generate an X-digit random winning number depending on the type of pool you have participated in. For this example, we assume that you have participated in a 5-Digit Lottery Pool.
Hence, the VRF will generate a 5-digit random winning number.

Match your lottery ticket number to the winning number from left to right. Let's say the winning number is:

1	3	6	2	7

and your ticket number is:

1	3	6	2	7

In this case, the first 3 numbers of your lottery ticket match the winning number in the same order. Even though your last digit also matches the winning number in the same order, as the 4th one does not match, you would win a "Match first 3" prize.
Keeping the winning number the same as above, let's say your ticket number is

4	3	6	1	7

In this case, you do not fall in any winning bracket despite that the last 4 digits on your lottery ticket match with the winning number in the same manner. But as we have to match the number from left to right, this ticket isn't eligible for any prize.

Here's a BONUS point: Each lucky draw can have multiple winners. When there is only a single winner, that person will take all the prize money. But in the case of multiple winners, the prize money will be divided according to the number of winners and the prize brackets they fall in.

How To Play Lottery?

Participate in a lottery to win and earn in a simple way. Here's how it works.

- ➔ Buy Redemption Tokens (RDTN) from Liquidity Pools via your Wallet
- ➔ Use Redemption Tokens to buy Lottery Tickets. You can buy up to unlimited tickets to increase your chances of winning. Each Lottery ticket costs Redemption tokens worth $5 to $100 depending on the type of pool you participate in.
- ➔ Wait for the draw & check for prizes. The winning number is drawn through Chain-link's VRF Function.
- ➔ Redeem winnings from Lottery & withdraw won REDEMPTION tokens to your wallet.
- ➔ Cashout or start again to earn more.

REDEMPTION DAO
(Decentralized Autonomous Organization)

Redemption believes in decentralization. Its governance (decision-making body) is a DAO (Decentralized Autonomous Organization) control structure consisting of token holders. The redemption token acts as a Governance token that gives voting rights to its holders.
The voting power of each token holder is directly proportional to the number of tokens possessed by that holder. So the more tokens you possess, the more voting power you have.
Redemption has a dedicated forum where users can express their opinions, suggestions, and ideas for the betterment of the project.

Functions of Redemption DAO

Redemption DAO will work through a decentralized decision-making process, where all token holders have the right to participate and vote on important decisions. The DAO will operate using smart contracts, which will execute predetermined actions based on the results of votes. The primary functions of Redemption DAO are to:

a. Manage the Redemption Treasury
b. Operate the Redemption Lottery, Bonds, and Staking products
c. Manage expenses incurred by the project
d. Invest in profitable ventures to generate dividends for token holders
e. Facilitate voting and governance by token holders
f. Select and compensate guilds to manage various aspects of the project.

Guilds

Redemption DAO consists of several guilds responsible for managing different aspects of the project. These guilds will be selected and compensated by the DAO based on their performance and contribution to the project. The following are some of the guilds that the Redemption DAO has:

- **Treasury Management Guild:** This guild will be responsible for managing the Redemption Treasury, which includes revenue generated and expenses incurred by the project. They will ensure that the Treasury remains sustainable and has sufficient funds to meet the project's objectives.

- **Lottery Guild:** This guild will be responsible for operating the Redemption Lottery product. They will ensure that the lottery is fair and transparent and that the rewards are distributed to winners in a timely manner.

- **Bonds Guild:** This guild will be responsible for issuing and managing bonds on the Redemption platform. They will ensure that the collateral is sufficient and that the bonds are redeemed promptly.

- **Staking Guild:** This guild will be responsible for managing the Redemption Staking product. They will ensure that the staking rewards are fair and that the staking process is secure.

- **Investment Guild:** This guild will be responsible for identifying and investing in profitable ventures that generate dividends for token holders.

- **Marketing Guild**: This guild will be responsible for promoting the project by developing & executing marketing strategies, and managing social media and other communication channels to increase the adoption of Redemption's products, ultimately benefiting the entire DAO and its token holders.

How Will Guilds Be Selected In Dao And How Will They Be Compensated:

Redemption DAO will select guilds based on their performance and contribution to the project. Guilds will submit proposals to the DAO, outlining their objectives, strategies, and expected outcomes. The DAO will then review and vote on the proposals, and the guilds with the highest votes will be selected.

Guilds will be compensated based on their performance and contribution to the project. The DAO will allocate a portion of the Redemption Treasury to compensate guilds, and the amount will depend on the guild's scope of work, success rate, and overall contribution to the project. The compensation will be in the form of Redemption Tokens, and the guilds will be required to hold these tokens to ensure that their incentives are aligned with the project's objectives.

Why Participate in The DAO?

- **Be the Owner:** DAOs are decentralized, meaning that they are not controlled by any one individual or entity. Every token holder has a say in the project proportional to the tokens held by them. So the more tokens you hold, the more voting power you have to manage the project.

- **Community-driven:** Redemption DAO is run by RDTN holders, who work together to make decisions and execute actions, creating a strong sense of community and fostering collaboration.

- **Governance:** Participants in Redemption DAO have a say in how Redemption is run and what decisions are made. This democratic governance model allows for a more equitable distribution of power and resources.

- **Create Proposals For Change:** Token holders can create new proposals or vote on the existing proposals, created by someone else. Let's say someone wants to introduce new integrations to the project for better performance of the project. All other token holders will get this proposal and each token holder can vote on the proposal. If a total of 51% votes favor a decision, that decision is final.

Eligibility to Create New Proposals

You need to have at least 1,000 tokens to be eligible for creating new proposals. But you have a voting right even if you possess 1 token.

Note: Some proposals for suggested changes may be subject to a technical/legal feasibility study before the actual implementation of such changes.

Eligibility to Create New Proposals

- **Proposal Creation:** As a token holder, you have the power to create a proposal for the DAO. All you need to do is submit a clear proposal description.

- **Proposal Submission:** After you create a proposal, it will be submitted to the Snapshot (i.e, DAO's voting system). This will make it available for voting, and the system will record it.

- **Discussion Period:** After submission, the discussion period starts during which members can discuss the proposal and provide feedback. This period typically lasts for a predetermined period of time, such as days or a week.

- **Voting:** Now, all token holders can vote for or against the proposal using their tokens. The more tokens you hold, the more votes you have.

- **Quorum:** Once the voting period ends, the system will tally the votes and determine whether the proposal has been accepted or rejected. The proposal will be accepted only if the number of votes in favor exceeds a specified threshold, i.e. 50% of the total tokens.

- **Reality.eth Check:** Once the vote has closed and met the minimum quorum, it's time to take action. Using the Snapshot UI, you can "Request execution" in the "SafeSnap Execution" window. This initializes the reality.eth Oracle.

- **Execution:** Once the proposal has passed, Reality.eth question has been resolved, and the 24-hour cooldown period is over, the Snapshot interface will have the option to trigger each of the multi-send transactions in the proposal. The Gnosis Safe will then execute each transaction in the proposal sequentially.

  The execution of the New proposal has been described below in detail.

Snapshot + Safe + Safesnap + Reality.eth

Redemption Treasury uses a powerful Gnosis Safe smart contract wallet with multi-signature (multisig) functionality. This cutting-edge solution puts the power in your hands, enabling you to veto malicious transactions with the support of 12 multisig owners.

But that's not all. We've taken things to the next level with the integration of Gnosis Safe, Snapshot, and SafeSnap. With Snapshot, you can vote without worrying about gas fees. SafeSnap, on the other hand, is a Snapshot module that allows for on-chain execution of off-chain voting, giving you unparalleled control over the Gnosis Safe holding the Treasury funds. While Reality is a tool developed by Gnosis Guild that allows for on-chain execution based on the outcomes of events reported by Reality.eth. It enables proposal execution from Snapshot.

Our team has thought of everything, including the proposals that call for payments from the treasury. These proposals must meet strict criteria, including filling out the "Transactions" container with information like transaction type, asset, recipient address, amount, etc.

Once the vote has closed and met the minimum quorum, it's time to take action. Using the Snapshot UI, you can "Request execution" in the "SafeSnap Execution" window. This initializes the reality.eth Oracle and kicks off a bonded escalation game. By putting up a bond of 0.1 ETH, you can set the outcome and identify the passing result of the Snapshot proposal.

The bonded escalation game has a 72-hour period, and anyone can challenge the outcome by putting up a bond double the size of the current one. If there's a challenge, the game restarts, and the 72-hour countdown begins.

Once the reality.eth bonded oracle resolves in favor of the proposal, there's a Time Lock period of 72 hours. During this time, the Redemption Network DAO Treasury multi-sig owners can veto malicious transactions in a 2-of-4 fashion, giving you ultimate control over your staking.

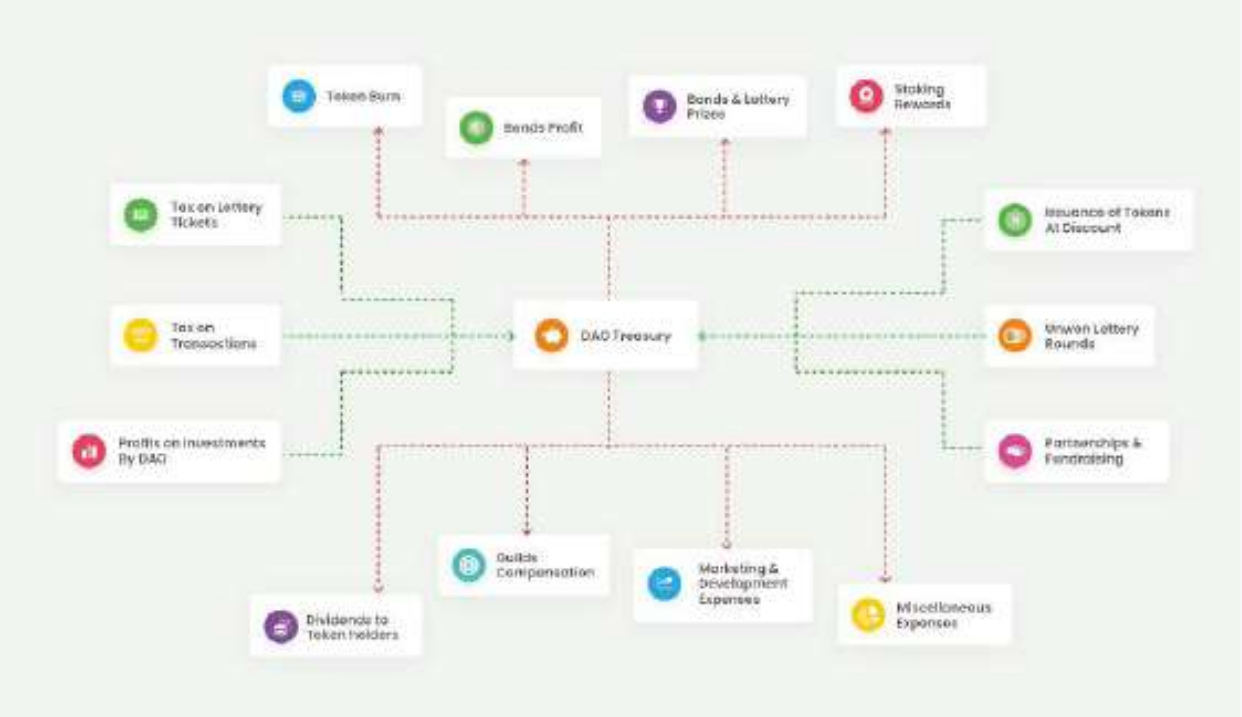
After all the steps have successfully completed, the proposal will be executable, and new changes will take place in the project.

The aforementioned process has been explained in the diagram given below.

How Does DAO Treasury Work?

DAO Treasury is the backbone of Redemption. It manages the entire financial system of the project. In order to ensure its longevity, Redemption has designed several income streams for the Treasury to strengthen its ecosystem.

a. 3% Tax on every transaction will be charged and these fees will be directed to the treasury.
b. A certain percentage of funds from any unwon lottery round will be added to the treasury.
c. The DAO will manage assets in the treasury and use these funds in profitable ventures to generate more profits. These profits will also increase the Treasury value over a period of time.
d. 10% Fee from every ticket sale will be collected in the Treasury which adds significant funds to the treasury.
e. In case of a need for emergency funds, the DAO can issue a limited amount of tokens at discounted rates to fund its operations without affecting the token price in the exchange.



How Redemption Bonds are Backed By Treasury?

Redemption bonds are 100% backed by the assets in the treasury. It means that you can redeem your bonds at any given time and they will be redeemed at their face value. If you redeem your bonds after maturity, you will also get a profit.

Here's how it's done:

To purchase a Redemption Bond, a user sends USDT to a special account of Redemption DAO Treasury. The Treasury then locks an equivalent value of RDTN (the native token of the project) until the bond is redeemed. This ensures that the bonds are fully collateralized and backed by the project's assets.

The Redemption algorithm never issues bonds of more value than the assets in its treasury. Hence, the reserves of the Redemption Treasury back our bonds and provide assurance to the bondholders that their bonds are 100% safe and secure and are redeemable at any time.

REDEMPTION TOKENOMICS

Redemption Token Design

Redemption token has been designed on “Deflationary Economic Model”. Token specifications are summarized below:

a. Layer 2 token based on BNB Smart Chain
b. BEP-20 token
c. Utility Token
d. Governance Token (that lets you vote)
e. Redemption is Non mintable (Fixed Total Supply is 1 Billion Tokens)
f. **Non Pausable:** Redemption trading can not be halted in any case.
g. **Burnable:** Redemption token can be burned by any user.
h. **Deflationary Token:** Every transaction charges a 0.5% burn and buyback fee to diminish the circulating supply.
i. **Dividend Token:** Dividend rewards for token HODLERS.Dividend is transferred automatically. No manual claim is required. Every transaction charges a 0.5% dividend fee that is collected in a dividend wallet.Dividend is transferred automatically. No manual claim is required. Every transaction charges a 0.5% dividend fee that is collected in a dividend wallet.

Redemption Token Utility

Redemption token has the following utility for its users

a. **HODLERS** keep the token for positive price action over time.
b. Active trading at exchanges
c. Governance Token to increase your voting rights and proposal generation to play your part in the project direction and future.
d. Stake the token to earn passively in Redemption token or USDT or at later stages in valuable commodities such as Gold and Silver.
e. Participate In Lottery, managed at Redemption platform for earning huge rewards
f. Hold Redemption Bonds to win prizes and earn passively. Redemption bonds offer complete original capital security.
g. In the second phase of the project, use Redemption token as collateral for lending other cryptos.
h. In the second phase of the project, use Redemption tokens to buy NFTs.

REDEMPTION TOKENOMICS

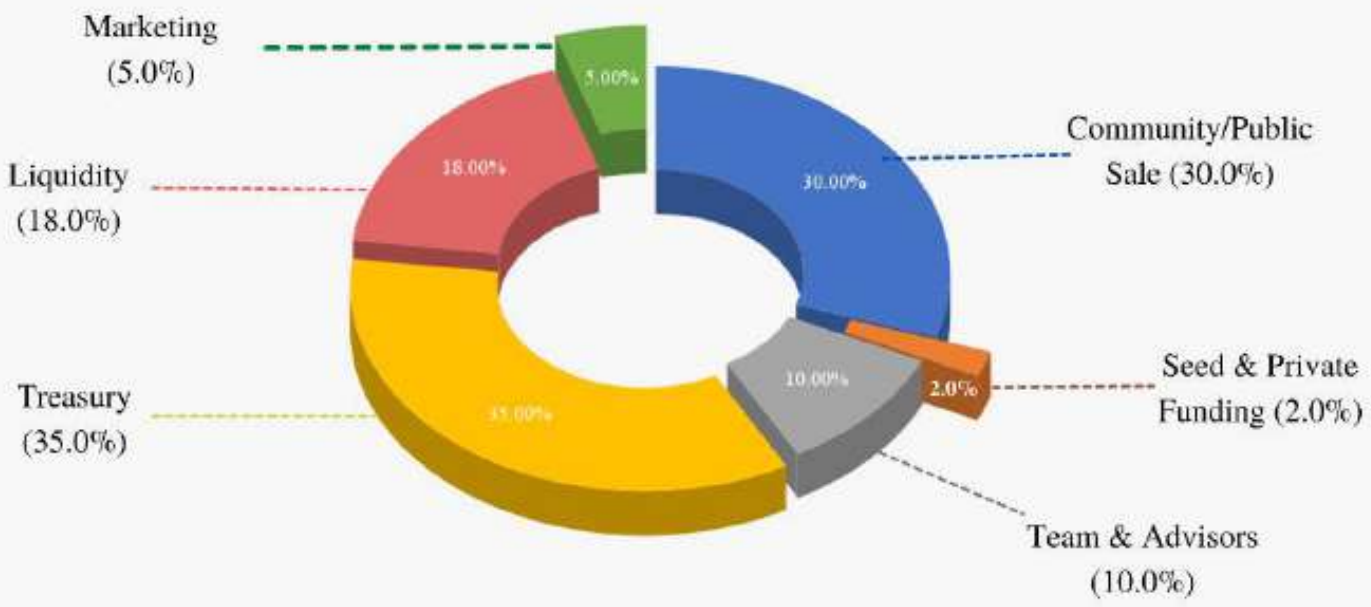
They are allocated as shown in the chart below:

Token Info Ticker:

Name: REDEMPTION

Maximum token supply: 1B

Decimals: 8



Metrics

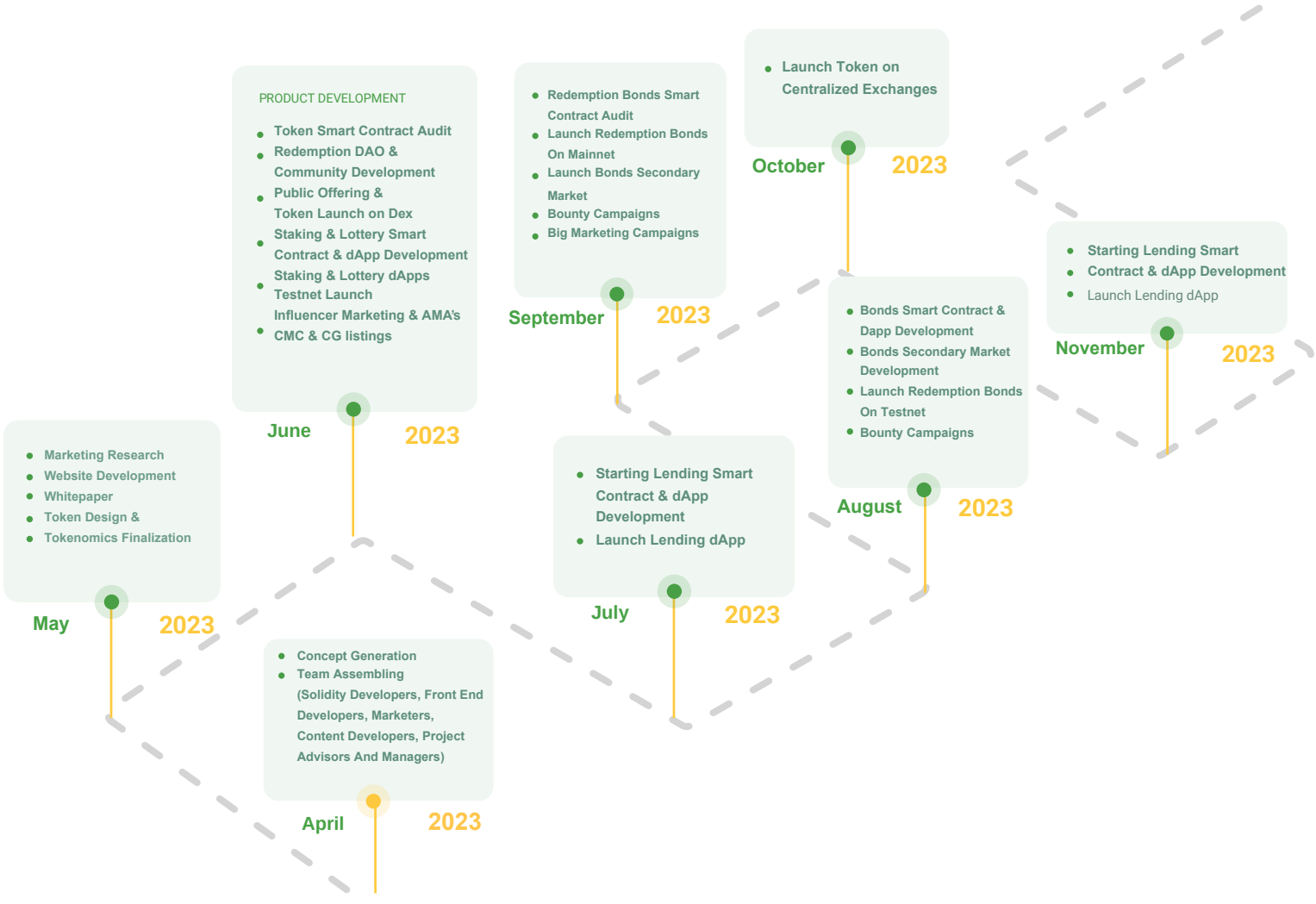
		Tokens	Price	Vesting
Seed & Private Funding	2.00%	20,000,000	$0.0150	50% at TGE, 50% weekly Linear Vesting over 6 months
Community/Public Sale	30.00%	300,000,000	$0.0190	100% at TGE
Team & Advisors	10.00%	100,000,000		0% at TGE, 12 months Cliff. 20% after 12 month TGE. 80% Monthly Linear Vesting for 4 years
Treasury	35.00%	350,000,000		
Liquidity	18.00%	180,000,000	-	Address Publically Shared
Marketing	5.00%	50,000,000	-	25% at TGE, 75% at Weekly Linear Vesting for 1 year
			-	
Total Supply		**1,000,000,000**		

REDEMPTION BUSINESS MODEL

For smooth working of the system, sustainable growth, and providing rewards to Token and Bond holders, Redemption has the following revenue sources:

- 10% commission on every lottery ticket sale.
- 3% tax on buying and a 3% tax on selling will be charged.
- Redemption DAO will manage treasury funds or assets, and distribute them in various profitable ventures for generating profits to grow the DAO's operations and provide profits to bondholders. Financial experts, chosen by the community, at DAO treasury will manage and diversify its investments to mitigate risks and maximize returns.
- 25% value of the UnWon Lottery round is distributed as a dividend among the eligible token holders.
- 5% value of the unwon Lottery round is used to Burn the tokens to diminish the supply.
- 20% value of the unwon Lottery round is sent to the rewards wallet for Prize bonds holders
- Phase 2 of Redemption protocol will also offer Loans through a decentralized loan platform based on Aave protocol. Funds collected through Bonds will be utilized for Cash supply against loan requests.
- Phase 3 of Redemption Protocol will sell NFTs through a Redemption marketplace. Marketplace will sell NFTs minted by Redemption and will charge fees from independent sellers and buyers as well.

REDEMPTION ROAD MAP



Why Redemption Token?

High APR Staking

APR is everything when talking about token staking. The higher the APR is, the higher your earnings are. Hence, redemption provides you with a decent APR to boost your earnings.

100% Secure Bonds

Redemption offers 100% Treasury-backed Bonds so your investment is secured. All the issued bonds are backed by the assets in the treasury, providing you with a secure De-Fi investment.

Flexible Investment

Redemption Bonds are Puttable Bonds, meaning they can be redeemed at any time at their par value, making them the most flexible investment. Redemption Bonds are the First-Ever bonds to have a fixed maturity but are Puttable at the same time.

Decentralized Lottery & Bonds

On Redemption, everything is decentralized. Be it staking, lottery, or bonds. There is neither any central authority nor do you have to trust someone with your cash. The tokens are always in your hand, providing you with the security of your funds.

Get Financial Freedom (Save to Earn)

Invest in Bonds, keep your principal secured, win weekly prizes, and get regular profits. With Redemption, turn your savings into your source of earnings and get Financial Freedom with Passive income.

Community-Owned & Driven Project

Redemption is DAO-owned and DAO-driven, making it a truly decentralized and transparent project. It provides decision-making power to the community leading to a more democratic and fair system that benefits all members of the community.

Transparent & Secure System

Being a decentralized platform, everything works automatically as per the smart contracts giving you a transparent system to invest your hard-earned cash. From Bonds to Lottery and Staking to DAO, everything is happening on-chain so there's Absolutely NO risk of Fraud.

Multiple Earning Models

While the lottery can make you rich overnight, you can also earn stable streams of income by either staking your money or investing it in Redemption Bonds.

OUR OFFICIAL PLATFORMS

OFFICIAL WEBSITE

https://redemptiontoken.com/

MEDIUM

https://medium.com/@redemption-token

TWITTER

https://twitter.com/RedemptionCoin

TELEGRAM CHANNEL

https://t.me/redemptioncoinofficial

TELEGRAM GROUP

https://t.me/redemptioncoin

YOUTUBE CHANNEL

https://www.youtube.com/@redemptiontoken

INSTAGRAM

https://www.instagram.com/redemption_token/

FACEBOOK

https://www.facebook.com/Redemption-Token-104841792356832/

LINKTREE

https://linktr.ee/redemption_token

REDEMPTION TOKEN (RDTN)