



# BURVE PROTOCOL V1.1

A **consensus-driven AMM** protocol for token fair launch, swap, unilateral liquidity management and earn, aiming to offer a transformative experience of unleashing the magic of fairness and originality in Crypto

# ABOUT

**Burve Protocol** is a consensus-driven AMM (Automated Market Maker) protocol for token fair launch, swap, unilateral liquidity management and earn. It aims to cater to EVM-based chains, the Solana ecosystem, and the Bitcoin ecosystem.

Built upon the economic principles of British economist John Maynard Keynes and the Bancor Protocol, the Burve Protocol is dedicated to leveraging the bonding curve as an infinite boundary for a more **“Turing complete” AMM**.

(Read more in the Whitepaper: <https://docs.burve.io/learn-more/whitepaper>)

## ★ — Launchpad

Individuals or organizations can efficiently and cost-effectively create their tokens and AMM economic models in a modular fashion.

- » Launch tokens in 1 minute at 0 cost beyond gas fees
- » No liquidity pool needed 💰
- » Customizable and transparent AMM models tailored to specific purposes

## ★ — Unilateral Liquidity Management (v2.0) 🚀

Liquidity providers offer single-token (unilateral) liquidity for any trading pair, with customizable transaction fees.

- » Flexibility to set discrete and individually definable fees 🙌
- » No impermanent loss

## ★ — Stablecoin Boost AMM (v2.0) 🚀

By coupling two distinct bonding curves, it enables the stablecoin provider to establish a strictly 1:1 pegged price range AMM between two stablecoins.

# THE MAGIC OF BURVE LAUNCHPAD



## Automatic Price Adjustment

Token prices rise and fall based on community consensus and token utilities, free from intervention by bankers or liquidity providers.



## Liquidity Pool Elimination

Burve Protocol eliminates the need for liquidity pools in token launching, reducing potential risks linked to DeFi projects that rely on Dex pools.



## 100% Value Support

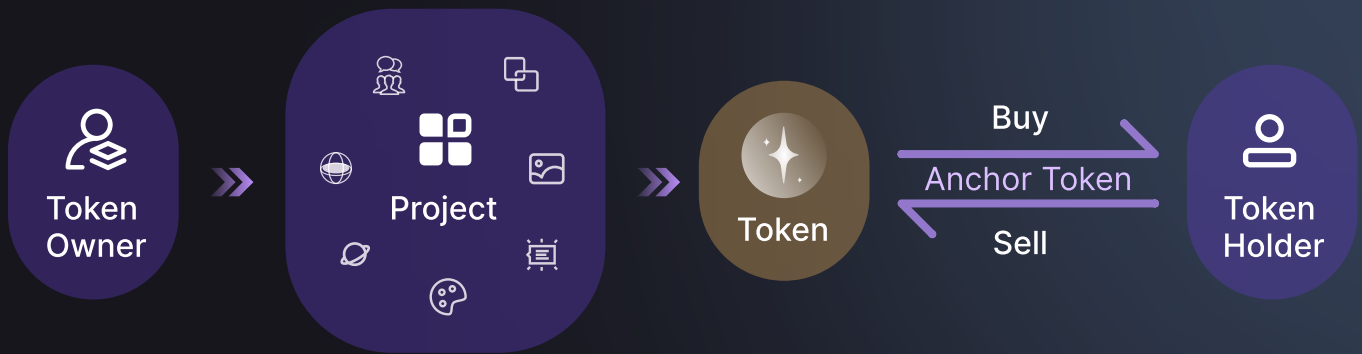
Every issued token is backed by anchor assets of equal value, providing robust and reliable value support for each token.



## Versatility and Flexibility

Configurable key factors of the token growth AMM curve, along with a flexible maximum token supply option tailored to the specific project requirements.

# INTRA-ECOSYSTEM DEFINITIONS

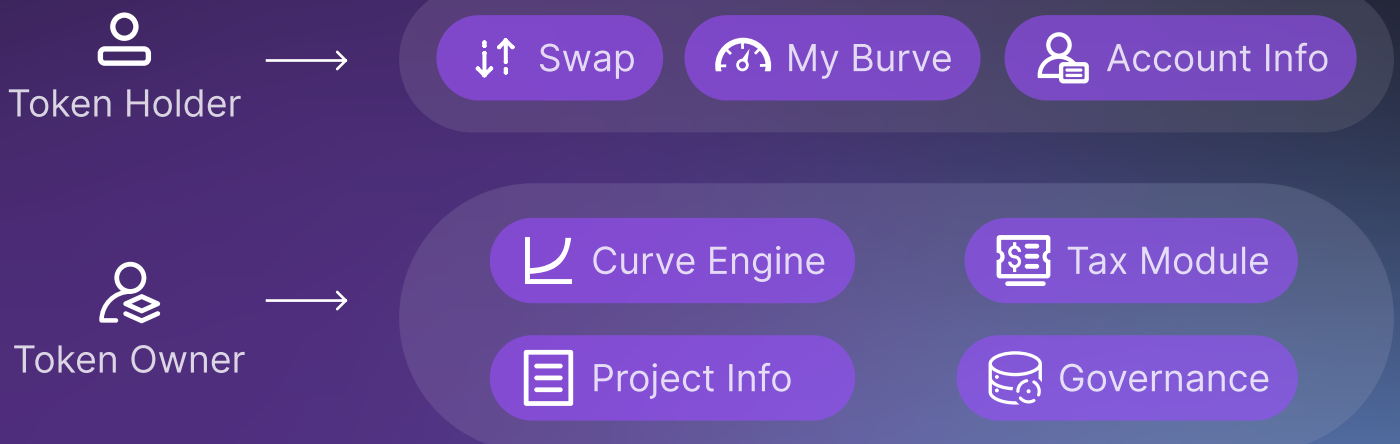


**Token Owner** The entity responsible for initiating the Project, which could be an organization, team, or individual.

**Project** Encompasses entities—tangible or abstract—that hold value represented through a token, serving as the foundation of the token's purpose and existence. It could encompass Web3.0/Crypto/Meme products, ecosystems, individual creations, such as sentences or images, as well as abstract entities like individual influence or consensus within a community.

**Token Holder** Refers to the team or individual associated with the wallet address that possesses specific tokens linked to a particular Project.

## DAPP MODULES



# ARCHITECTURE DIAGRAM

## Front-end Services

### User Interface

Enables user interactions with the Burve Protocol, facilitating token transactions, sales, and real-time market data views.

### SWAP

Implements token minting and burning operations supported by the Burve AMM.

## Backend Services

### Bonding Curve Engine

- Manages initial price, final price A-value, and anchor token selection set by token owners.
- Generates parameters for the required AMM operations, supports token issuance and burning, and adjusts numerical status based on user transactions.

### On-chain User Data Tracking

Monitors user token holdings and transaction history.

### Project Data Monitor

Tracks project information, including transaction volume, TVL, current supply, current price, and Market Cap.

### Tax Rate Management

- Administers transaction tax rates, calculates taxes for purchases and sales.
- Tracks and records tax history.

## Contracts

### Token Factory Contract

- Implements different factory contracts based on anchor tokens.
- Issues project tokens and Bonding Curve contracts through the factory contract.

### Bonding Curve Contract

- Deploys corresponding Bonding Curve contracts based on curve parameters.
- Integrates tax and governance modules.

### Governance Contract

Establishes authority management and control through governance contracts.



# BID FAREWELL TO UNFAIRNESS

## 👤 Token Holder's Choice



### Trading Security

Each token is backed by reserve assets equivalent to its redemption value.



### Community-Driven Consensus

Token price growth is community-driven, immune to owner or liquidity provider influence.



### Long-Term Reliability

Token owners earn rewards solely from trading fees, deterring unethical practices.



### Authentic Value Representation

Token price and growth genuinely mirror the project's consensus or token utilities.



### Constant Liquidity

Users drive constant liquidity, eliminating the need to wait for a counterparty in trades.

## 👤 Token Owner's Choice



### Zero Threshold

Swift token creation without the need for initial liquidity pool establishment.



### Trustful Fundraising

More trading unlocks additional fees, providing ongoing fundraising support for token owners.



### Flexible max. Token Supply

Either fixed or adaptive maximum token supplies tailored to project requirements.



### Smart Contract Scalability

APIs empower token owners to enhance smart contracts with additional features.



### Versatility & Flexibility

Configure token growth curve factors to precisely meet project requirements.



# TOKEN LAUNCH

Launch tokens in three simple steps

1 Fill in the project's basic information.



2 Choose and set market maker curve parameters.



3 Set up the transaction configurations.

## TOKEN PRICE MECHANISM

In Burve Launchpad v1.1, **linear** and **exponential curves** bw. token price and token supply are supported.

In a **linear curve**, the initial price, final price and maximum supply need to be defined.

While in an **exponential curve**:

$$p = ae^{\frac{as}{A}}$$

$$TVL = Ae^{\frac{as}{A}} - A$$

In the formula,  $p$  represents the token price,  $s$  is the token supply,  $a$  is the initial token price, and  $A$  is the ratio of the token's Total Value Locked (TVL) to the expected increase multiple of the token price.

For example, if the initial token price is \$0.1, and you aim for a 100x price increase when the TVL reaches 100 million, then  $a=0.1$  and  $A=10000$ .

# TOKEN PRICE MECHANISM( Example with $a=0.1$ $A=10000$ )

Token Supply	Token Price (USD)	TVL(USD)	Market Cap(USD)
100,000	0.2718	17,180	27,180
200,000	0.7387524	63,875.24	147,750.48
300,000	2.007929023	190,792.9023	602,378.707
400,000	5.457551085	535,755.1085	2,183,020.434
500,000	14.83362385	1,473,362.385	7,416,811.925
600,000	40.31778962	4,021,778.962	24,190,673.77
700,000	109.5837522	10,948,375.22	76,708,626.53
800,000	297.8486385	29,774,863.85	238,278,910.8

## TAX SETTING

In Burve Launchpad v1.1, Token Owners can set buying and selling tax rates within the range of 0% to 50%. The tax is automatically directed to the treasury address. Tax rate adjustments are irreversible once set; only decreases are permitted thereafter.

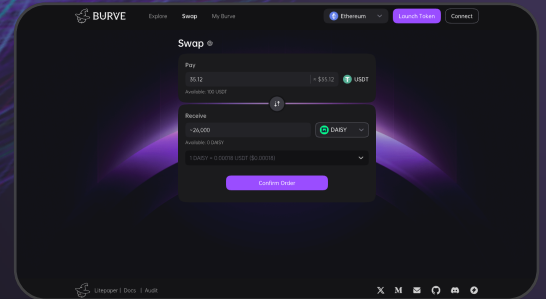
Treasury taxation serves as the sole economic incentive for Token Owners, fostering stable, long-term project development.







# TOKEN TRADING



## DISCOVER EARLY-STAGE ALPHAS



Discover promising project tokens for early investment and exponential returns.



Be friends with consensus



Make friends with time



Achieve financial freedom on Burve

## CONTACT US

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🎓 <https://docs.burve.io>

🔗 <https://github.com/BurveProtocol>

🌐 [https://dune.com/burve\\_protocol/dashboard](https://dune.com/burve_protocol/dashboard)

🏠 <https://defillama.com/protocol/burve-protocol>

