



# TAWT COIN SIMPLITAUGHT WHITEPAPER



# About Us

SimpliTaught is a unique student learning platform that changes the way that students learn from textbooks. It uses a combination of artificial intelligence and machine learning in order to solve the mismatch between the way that educators teach information and the way that students learn. It empowers learners to easily comprehend and absorb key concepts by transforming dry and dull content into engaging resources. With SimpliTaught, students no longer have to spend endless hours scouring the internet for relevant materials to learn and to pass their exams. Instead, they can rely on this innovative tool to enhance their understanding and achieve academic success with ease.

The platform uses advanced Generative AI and keyword extraction algorithms to simplify complex textbooks. This is achieved by breaking them into manageable chapters and identifying key concepts. As a result, students are provided with supplementary resources directly related to the key concepts, ensuring they have access to the appropriate content when they need it.



SimpliTaught has the potential to revolutionize education by offering new opportunities for adaptive, personalized, and engaging learning experiences. While traditional textbooks pose many limitations and challenges for students, Generative AI leverages machine learning and natural language processing techniques to adapt these textbook resources to student learning needs, thus creating empowering environments where students can flourish and grow.

# Abstract

The education technology that currently exists in the market to help students learn currently lacks a gamification component. SimpliTaught Coins (TAWT Coin) addresses these challenges by offering a unified cryptocurrency-based payment solution within the SimpliTaught ecosystem. Built on the Solana blockchain, TAWT Coin ensures secure, scalable, and decentralized transactions. As a utility token, TAWT Coin facilitates seamless payments for books, subscriptions, and additional AI features while rewarding learners and educators for engagement. The platform incorporates smart contracts to automate processes, ensuring transparency and efficiency. A structured vesting schedule and strategic token distribution support long-term sustainability, preventing supply shocks and maintaining ecosystem stability. By integrating blockchain technology, TAWT Coin reduces reliance on traditional financial systems, lowering costs and improving accessibility for global users.

TAWT Coin's utility extends beyond payments, incentivizing users through content consumption rewards, quiz completions, and staking benefits. A built-in burning mechanism reduces supply over time, enhancing token value. The launch strategy includes three phases: Rewards Distribution, Presale, and Public ICO, ensuring a gradual and strategic market introduction. In the first phase, users are incentivized to engage with the platform, earning rewards for active participation. The presale phase secures investment from strategic partners, enabling further development. The public ICO phase ensures wide accessibility and exchange listings to boost liquidity. Automated transaction fee burning and balanced tokenomics promote long-term adoption. The vision of TAWT Coin and SimpliTaught is to establish a global blockchain-powered education ecosystem, lowering transaction costs, increasing security, and empowering learners and educators through decentralized finance (DeFi). With a focus on innovation, accessibility, and financial inclusion, TAWT Coin aims to transform the education sector, ensuring equitable opportunities for students and educators worldwide.

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# SimpliTaught: Revolutionizing Digital Learning

## Introduction

Education has remained largely unchanged for decades, with students facing significant barriers such as high costs, lack of personalized learning experiences, and inefficient financial transactions. Traditional education models often fail to address the evolving needs of students and educators, leading to disengagement and reduced accessibility. In an era where digital transformation is reshaping industries, education remains one of the last frontiers needing fundamental change.

SimpliTaught, an AI-driven edtech platform founded by visionary education enthusiast and entrepreneur Ali Imran Rizvi in 2019, seeks to revolutionize education through technology and decentralization. At the heart of this transformation is TAWT Coin, a blockchain-powered cryptocurrency built on the Solana network, designed to create a seamless, incentivized, decentralized learning economy. TAWT Coin enhances accessibility and engagement by providing a transparent, efficient, and rewarding ecosystem for students, educators, and institutions worldwide.

By integrating AI-driven personalized learning with blockchain technology, TAWT Coin introduces a novel approach to incentivized education. Students earn TAWT Coin for completing quizzes, sharing their exam library content, sharing their AI-generated video and AI-translated video with others, and achieving academic milestones, while educators and content creators receive direct compensation for their contributions. Institutions benefit from streamlined financial transactions, reduced administrative costs, and enhanced security through blockchain-enabled smart contracts.

## Addressing the Challenges in Education

The rapid evolution of education, especially in the post-COVID-19 era, has highlighted critical inefficiencies in how students learn and educators teach. Many students struggle to understand classroom material and spend substantial time searching for supplementary learning resources. However, identifying high-quality and relevant content remains a challenge, often leading to inefficient and fragmented learning experiences.

SimpliTaught addresses this challenge by leveraging AI and machine learning to analyze students' learning styles and match them with educators whose teaching methodologies align with their needs. This ensures that every student, regardless of geographical, institutional, or socio-economic barriers, receives a personalized and effective education.

## The Problem: Lack of Accessible and Relevant Learning Resources

Students today invest significant time and financial resources in understanding their textbooks. On average, they spend 6-8 hours per week searching for relevant study materials, subscribing to online courses, or hiring tutors. The lack of a structured and reliable platform results in inefficient learning, leading to lower retention and comprehension.

Furthermore, while platforms like YouTube offer an abundance of educational content, students often struggle to determine which videos are aligned with their curriculum or which instructors best match their learning preferences. This results in wasted time and inconsistent learning outcomes.

## SimpliTaught's Solution

SimpliTaught is a comprehensive learning platform that curates and organizes supplementary educational materials mapped directly to textbook chapters. Through AI-driven analysis, it identifies a student's unique learning style and recommends content from educators whose teaching methods best align with those preferences.

## Key Features of SimpliTaught:

- **AI-Driven Content Curation:** Aggregates verified educational resources, including YouTube videos, lecture slides, and academic articles, mapped to specific textbook chapters.
- **Personalized Learning Paths:** Utilizes machine learning to assess individual learning styles and recommend the most suitable instructors.
- **Seamless Accessibility:** Provides a centralized platform for students to access all relevant learning materials, reducing the time and effort spent on searching.
- **Global Educator Network:** Enables educators from around the world to contribute curated content, enhancing the diversity and quality of learning materials.
- **Cryptocurrency Coinfor Gamification:** Students and educators receive cryptocurrency coins for passing assignments, achieving milestones and finishing coursework.

## Impact on Student Success

By streamlining access to high-quality supplementary materials and optimizing content recommendations based on AI-driven learning analytics, SimpliTaught significantly enhances student engagement, comprehension, and retention. The platform reduces the cost of supplemental education while improving academic performance and career readiness.

SimpliTaught is not just a digital learning tool—it is a transformative solution redefining the way students interact with educational content. By leveraging AI and data-driven insights, it ensures that every student has the opportunity to learn effectively, no matter their educational background, learning preferences, or location.

# Overview

TAWT Coin is positioned as a groundbreaking solution that addresses key inefficiencies in the education sector. Built on the Solana blockchain, TAWT Coin facilitates low-cost, high-speed, and secure transactions that eliminate barriers associated with traditional financial systems. By removing intermediaries, TAWT Coin reduces cross-border payment fees, making education more affordable and accessible to learners worldwide.

The integration of blockchain and AI allows for a dynamic, personalized learning environment. SimpliTaught's AI-driven platform tailors content to students' unique learning styles, ensuring optimized academic outcomes. Smart contracts further enhance platform efficiency by automating payments, reward distributions, and governance, creating a decentralized, trustless ecosystem.

TAWT Coin incorporates a sustainable token economy with a total supply of two billion tokens, strategically allocated to support platform growth, staking rewards, and liquidity provisions. The tokenomics model is designed to maintain long-term stability, fostering a thriving ecosystem where participation is continuously incentivized.

More than just a cryptocurrency, TAWT Coin represents a fundamental shift in how education is accessed, delivered, and monetized. By merging cutting-edge AI technologies with blockchain's decentralized infrastructure, TAWT Coin ensures that learning is not only accessible and personalized but also financially rewarding. This pioneering approach is set to redefine the global educational landscape, making quality learning opportunities available to students, educators, and institutions on a truly borderless scale.

# Economy Setup

Getting a project's token economy right, from day one, is next to impossible. On one side, there are unknowns that we need to assume (like the number of users and their activity), and on the other, there are unpredictable macro-conditions such as the crypto community's sentiment and the broader market trends. This is why it is justified to instead rely on several core principles when designing a token economy, thereby minimizing the chance of significant disruption or turmoil due to currently unknown future economic conditions.

## Critical Breakpoints

There are certain events from which a token economy would have a very hard time recovering. A few examples of this include but are not limited to, the depletion of tokens allocated for incentives, extreme inflation that devalues the token, and market manipulation by a small group of holders ('whales') acquiring disproportionate control. Since prevention is far more effective than corrective action in such cases, our tokenomics design aims to minimize the likelihood of these risks occurring. A structured vesting and burning mechanism ensures a controlled supply while maintaining sustainable incentives for learners and educators within the SimpliTaught ecosystem.

## Variables

Every token economy has variables that need to be adjusted once the project is live. This is necessary to adequately respond to internal and external factors affecting the token's performance. As mentioned earlier, it is impossible to account for all potential eventualities. However, we design the token economy with multiple levers, enabling the project team (and later on, the community) to course-correct as needed.

**Token price stability:** While TAWT Coin is primarily a utility token rather than a speculative asset, price volatility can impact the overall ecosystem, especially reward structures. To mitigate this, TAWT Coin incorporates mechanisms such as controlled emission rates, transaction-based burning, and staking incentives to stabilize demand and ensure long-term sustainability.

**Governance:** Governance is a core feature of the TAWT Coin Coins ecosystem, allowing token holders to participate in decentralized decision-making. The governance mechanism enables the community to propose and vote on new platform features, ensuring a user-driven development process.

By implementing these principles, TAWT Coin's token economy is designed to support a thriving educational ecosystem, ensuring equitable access to resources while maintaining financial sustainability for all stakeholders.

## Monetary and Fiscal Policies

### Network Setup

The SimpliTaught network, applications, protocols, and ecosystem operate on a robust and scalable blockchain infrastructure designed to ensure seamless transactions and data integrity. Built on the Solana blockchain, SimpliTaught leverages high-speed, low-cost transactions to facilitate real-time micropayments, content rewards, and educator-student interactions within a secure decentralized environment.

SimpliTaught's ecosystem enables students and educators to engage in a dynamic and AI-powered learning platform. The platform supports the creation, curation, and distribution of digital educational resources, integrating machine learning to personalize learning experiences and recommend supplementary materials for concept reinforcement. The blockchain-backed structure ensures transparency, security, and automated verification of transactions and credentialled content ownership.

Through a structured incentive system, SimpliTaught users can earn TAWT Coin for engaging with platform content, completing quizzes, and contributing to the learning community. Educators can monetize their content securely, while students benefit from a decentralized reward system that supports continuous learning. This ecosystem is designed to function without reliance on traditional financial institutions, reducing costs and increasing accessibility to quality education worldwide.

The network supports various decentralized operations, including smart contract-powered subscriptions, rewards distribution, and automated staking mechanisms. SimpliTaught integrates:

- Decentralized Payment & Reward System: Students and educators transact seamlessly using TAWT Coin, ensuring efficiency and security.
- AI-Driven Content Personalization: Learning materials are recommended based on student engagement and improving comprehension.
- Secure Content Verification & Provenance: Educators maintain control over their intellectual property while ensuring authenticity.
- Low-Cost, High-Speed Transactions: Solana's infrastructure minimizes fees, enabling microtransactions for learning resources.

By leveraging blockchain and AI, SimpliTaught creates a sustainable, decentralized, and student-centric learning environment, redefining how digital education operates at a global scale.

## Payment

Payments on the SimpliTaught platform can be carried out in multiple accepted fiat as well as cryptocurrencies. While not the primary function of the TAWT Coin token, it can still be used for payments of educational resources and services on the platform, with transactional settlements available in a variety of methods. Transactions carried out using the TAWT Coin token enjoy a 5% fee discount to encourage adoption.

## Dynamic Pricing

The platform incorporates dynamic pricing for purchases, where the cost of resources automatically adjusts to the price of the token. The lower the token price, the more tokens a purchase would cost, and vice versa. This approach ensures price stability for users while maintaining the value of the TAWT Coin token.

Prices on the platform will be denominated in USD, with the equivalent TAWT Coin token amount adjusting based on the current TAWT Coin/USD exchange rate.

## Staking

Staking TAWT Coin provides multiple advantages for participants. Rather than serving as a passive reward system, staking is designed to encourage meaningful engagement within the SimpliTaught ecosystem. Users who actively contribute to the platform, engage in peer-to-peer learning, and participate in knowledge-sharing initiatives receive the most benefits.

The full staking benefits include:

- Passive Yield Rewards in the form of TAWT Coin tokens.
- Reduced Transaction Fees (stacks with discounts from payments in TAWT Coin)
- Priority Access to premium content, exclusive educational resources, and platform events.
- Monthly Claimable Learning Incentives, such as discounts on courses and special academic resources.

## Staking Levels and Benefits

Level	Tokens Staked	Benefits	% of Total	FIAT Equivalent	Difficulty inc.
1 - Silver	2,000+	5% discount on subscription	0.0001%	\$20	-
2 - Gold	20,000+	10% discount on subscription	0.001%	\$200	1000%
3 - Diamond	200,000+	15% discount, access to exclusive events and promos	0.01%	\$2,000	1000%
4 - Platinum	2,000,000+	25% discount, access to exclusive events and promos	0.1%	\$20,000	1000%

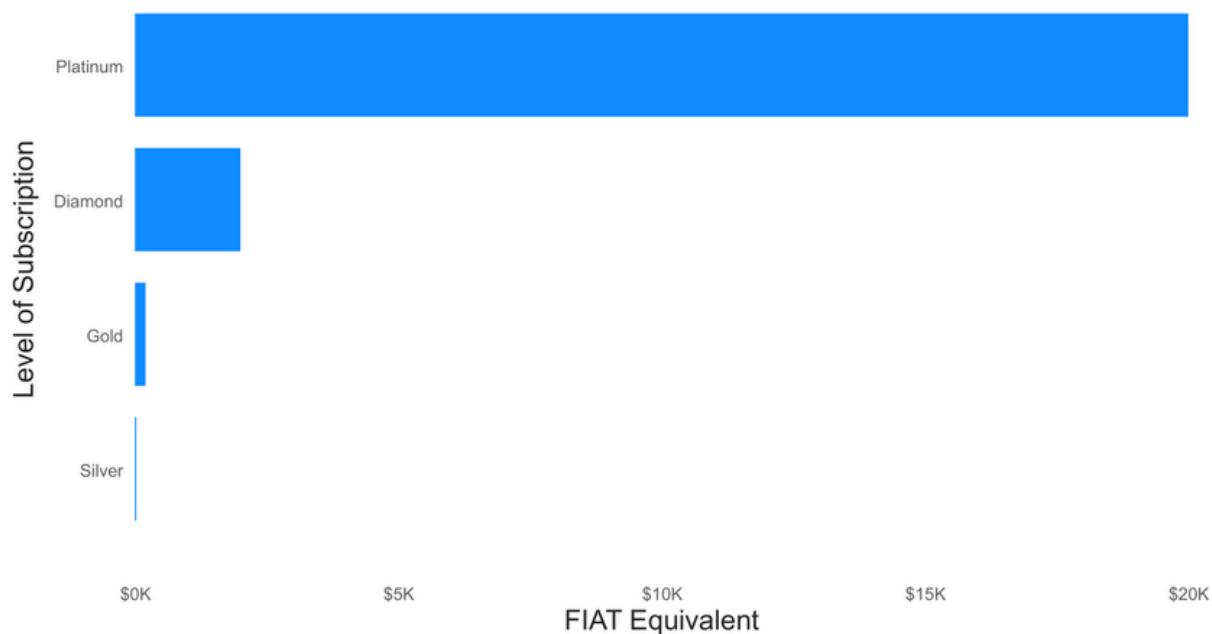
### Explanation of the table:

- FIAT equivalence is the equivalent value of tokens at the time of staking.
- Tokens are the number of TAWT Coin tokens required to achieve the FIAT equivalent.
- % of the total supply indicates how much of the total token supply is staked.
- Difficulty increase shows the required staking level increments.

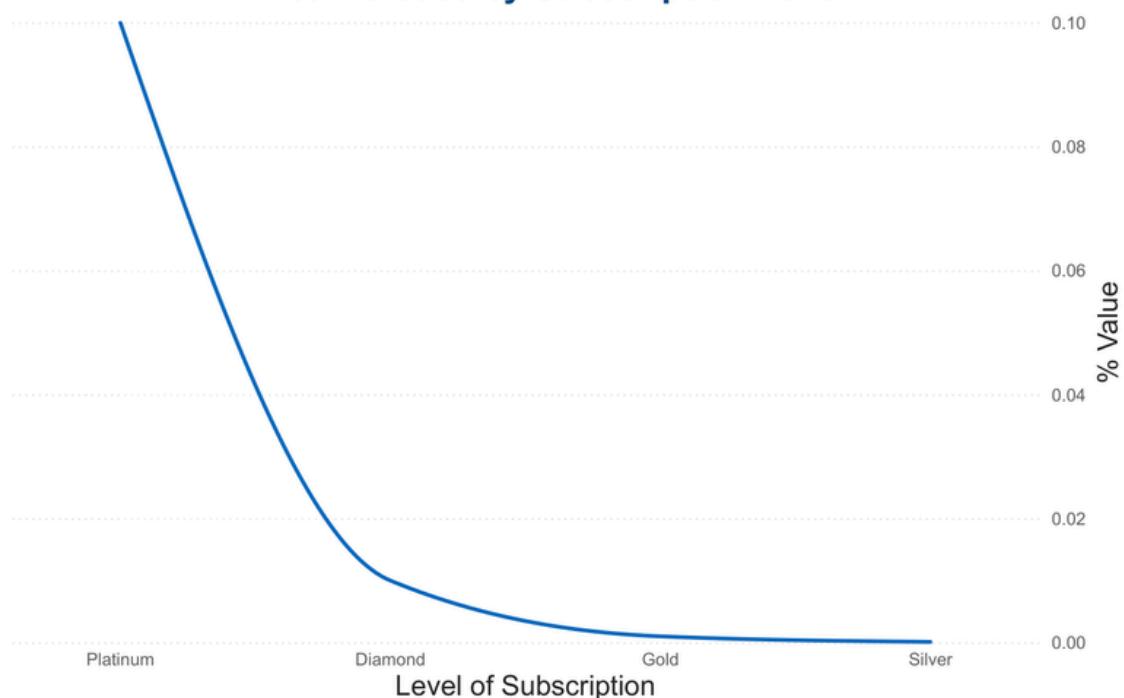
The staking program is designed to ensure long-term engagement and stability. Users' staking benefits are based on the FIAT equivalence at the time of staking, meaning that as the TAWT Coin token price fluctuates, stakers retain their benefits as long as they remain staked. If the token value increases, users may unstake and restake at a lower amount to optimize their rewards.

By incorporating staking, SimpliTaught fosters an ecosystem where active participation is rewarded, ensuring continued engagement from students, educators, and content creators.

## FIAT Equivalent by Subscription Level



## % Increase by Subscription Level



## Perpetual Reward Pool

One of the most common pitfalls in tokenized ecosystems is the rapid depletion of incentive pools due to unsustainable reward structures. Many projects offer excessive up-front rewards to boost adoption, only to exhaust their token supply prematurely. To ensure long-term sustainability, TAWT Coin employs a Perpetual Reward Pool—a model inspired by Bitcoin's halving mechanism, where rewards gradually decrease over time, preventing depletion and maintaining long-term engagement.

The perpetual reward pool operates on an Epoch-based system, where each Epoch distributes rewards at a controlled rate. The rewards adjust dynamically based on the remaining token supply in the pool, ensuring longevity and a predictable incentive structure. Here's an example of how the system works:

1. The reward pool starts with a fixed allocation of TAWT Coin tokens.
2. Each day, a fixed percentage (e.g., 0.03%) of the remaining pool tokens is distributed as rewards.
3. The reward pool operates in 7-day Epochs, meaning the reward rate recalculates weekly based on the remaining token balance.
4. As more tokens are distributed, the per-Epoch reward decreases proportionally, ensuring that incentives remain available for future users.

To maintain an optimal inflation rate, TAWT Coin's Perpetual Reward Pool follows these key principles:

- 0.03% of the remaining pool supply is allocated daily for rewards.
- Epoch duration is set to 7 days, allowing periodic adjustments to reward distributions.
- The projected annual inflation rate remains around 3.5%, keeping incentives attractive while preventing excessive dilution.

## Reward Distribution

The daily reward allocation is split among users based on their participation in the ecosystem:

- Liquidity Providers (LP Staking) – 60%

Users who provide liquidity to the TAWT Coin/USDT pair (or equivalent) and stake LP tokens receive the largest rewards. This strengthens liquidity depth and ensures smooth market operations.

- TAWT Coin Stakers – 40%

Users who stake their TAWT Coin tokens earn a share of rewards based on the duration and amount staked, fostering long-term commitment to the platform.

By implementing this dynamic and sustainable reward mechanism, TAWT Coin ensures a balanced, long-lasting incentive structure that aligns with the platform's growth and user engagement.

## Multipliers

Multipliers are used to weigh user contributions based on the various ways their actions benefit the SimpliTaught network. Rewards will be distributed based on the following formula:

$$P_X = \frac{W_X}{\Sigma W}$$

Where:

- $P_X$  is the percentage of daily rewards a specific user (X) receives.
- $W_X$  is the participation weight of user X for the full day.
- $\Sigma W$  is the sum of participation weights for all users.

The participation weight is influenced by the following actions eligible for rewards:

- The number of LP tokens staked, weighted by duration MMM, referral multiplier RRR, and engagement multiplier EEE.
- The number of TAWT Coin tokens staked, weighted by duration MMM, referral multiplier RRR, and engagement multiplier EEE.

For users with a multiplier, the participation weight can be defined as:

$$W_X = S_X \times M_X$$

Where:

- $S_X$  is the number of tokens staked.
- $M_X$  is the combined multiplier based on user activity.

## Ways to Increase Rewards via Multipliers

Users can boost their APY by increasing their multipliers through the following activities:

1. Engagement (Solving Quizzes, Viewing Content, Uploading Premium Content, and Other Actions)
2. Referring New Users to SimpliTaught
3. Locking TAWT Coin for a Predefined Duration

### Engagement Multiplier

Users who actively engage with SimpliTaught by participating in educational activities receive an additional multiplier. Engagement actions such as solving quizzes, viewing content, uploading premium content, and other platform interactions contribute to the user's engagement score.

Engagement multipliers are calculated every quarter and reset at the start of each quarter.

<b>Engagement Actions (Total)</b>	<b>Reward Multiplier</b>
10-100	1.1
101-1000	1.2
1,001-10,000	1.3
10,001-100,000	1.4
100,001-1,000,000	1.5
1,000,001+	1.75

## Referral Multiplier

Users earn an additional multiplier based on the number of new users they refer who become active on SimpliTaught. Referral multipliers are cumulative and updated with every new referred user.

Referrals (Total)	Reward Multiplier
10-20	1.1
21-35	1.2
36-50	1.3
51-70	1.4
71-100	1.5
100+	1.75

## Duration Multiplier

Users who stake TAWT Coin for a longer duration receive a higher reward multiplier. Inspired by Curve's vote-locking mechanism, this approach ensures long-term commitment is rewarded.

$$M = 1 + 0.4D$$

Where:

- $M$  is the duration multiplier.
- $D$  is the number of weeks the tokens are staked.

Staking Duration (Weeks)	Reward Multiplier
4 weeks	1.16
12 weeks	1.48
25 weeks	2.00
50 weeks	3.00

After the duration expires, users can withdraw their tokens anytime while still maintaining the rewards based on their original multiplier.

## Example Calculation

Consider two users:

- User A stakes 1,000 TAWT Coin without a lock-up period → Participation Weight = 1,000.
- User B stakes 1,000 TAWT Coin for 50 weeks, earning a 3x multiplier → Participation Weight = 3,000.

At the end of the reward period, if these two users are the only participants:

- User A receives:  $\frac{1,000}{(1,000 + 3,000)} = 25\%$  of the rewards.
- User B receives:  $\frac{3,000}{(1,000 + 3,000)} = 75\%$  of the rewards.

By locking up TAWT Coin, User B earns 3x the rewards of User A, even though they both staked the same amount.

## Reward Distribution Schedule

To ensure a sustainable reward system, the APY (Annual Percentage Yield) for staking rewards will be capped at 60% during any distribution event.

This structure provides long-term sustainability while incentivizing active participation in the SimpliTaught ecosystem.

## Penalties for early Unstaking

To maintain the integrity of the SimpliTaught ecosystem, we encourage long-term engagement while also offering flexibility for users who may need to unstake their tokens before the full commitment period. Our early unstaking policy ensures a fair and balanced approach allowing us to avoid misuse while continuing to incentivize active participation of the learners.

Participants in the SimpliTaught ecosystem can unstake their TAWT Coin tokens at any time. However, if the unstaking occurs before the 6-month commitment period, a proportional adjustment to earned rewards incurs. This adjustment helps maintain fairness while ensuring that engaged learners and educators are adequately rewarded for their contributions.

By implementing this policy, we aim to:

- Encourage long-term engagement and participation.
- Ensure fair distribution of rewards among all community members.
- Maintain ecosystem stability by reducing unnecessary token circulation.
- Support educators and students who remain actively involved in the learning process.

## Rewards Penalty

Users who unstake before reaching the six months will incur a reward adjustment, deducted from their accumulated TAWT Coin rewards.

Time Engaged	Penalty on Reward
<1 month	20%
1-2 months	15%
2-3 months	10%
3-4 months	7%
4-5 months	5%

## Principal Penalty

In addition to the reward penalty, an additional principal penalty will be applicable. The penalty amount is based on a multiplier formula that reflects the remaining duration of the staking commitment. The exact amount is determined by the multiplier as follows:

$$P = 5\% \times M$$

Where:

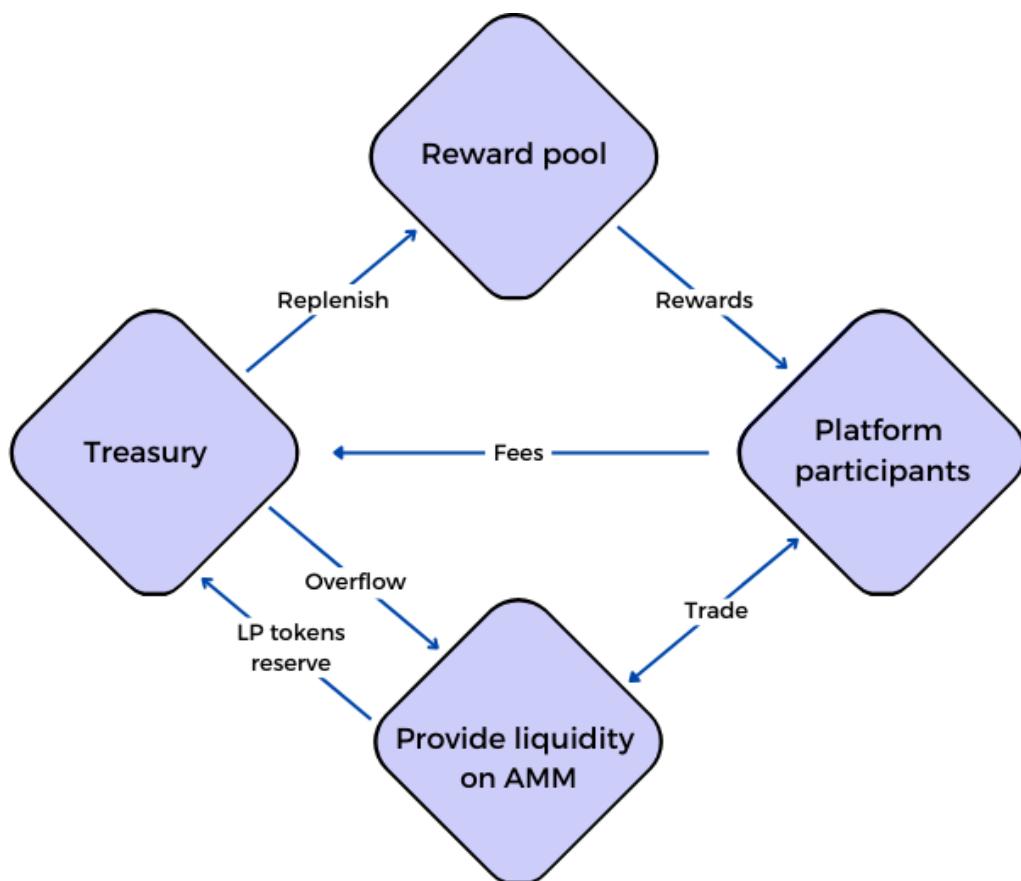
- P is the principal penalty

## Replenishing the Reward Pool

The SimpliTaught Reward Pool sustains itself through a 20% allocation from platform-generated fees (transactions, subscriptions, and premium content purchases). The reward pool auto-replenishes when ST availability drops below 75% of its original allocation. If it exceeds 75%, excess tokens are redirected to liquidity enhancements or buybacks to maintain stability and drive growth.

Users earn TAWT Coin through quizzes, content uploads, and referrals, while fees flow back into the Reward Pool. When needed, buybacks convert fees into TAWT Coin, and excess tokens reinforce liquidity and ecosystem stability.

The SimpliTaught Reward Pool operates on a self-balancing mechanism, ensuring long-term sustainability. Over time, the daily deposits into the pool align with the daily distributed rewards, maintaining equilibrium. Since deposits are fixed while rewards are percentage-based, this system self-adjusts if deposits increase, and rewards grow, driving more engagement. On the other hand, if deposits decrease, reward distribution scales down proportionally, ensuring a stable and sustainable token economy.



## Buyback & LP

The buyback and liquidity provision (B&LP) mechanism ensures token price stability and deeper liquidity, benefiting both TAWT Coin holders and the SimpliTaught ecosystem. Instead of burning tokens outright, they are first utilized to provide liquidity on the primary Automated Market Maker (AMM), ensuring a sustainable market for TAWT Coin.

This strategy enhances liquidity depth, reduces volatility, and creates long-term value while still offering the supply-reducing effects of a traditional buyback model.

## How It Works

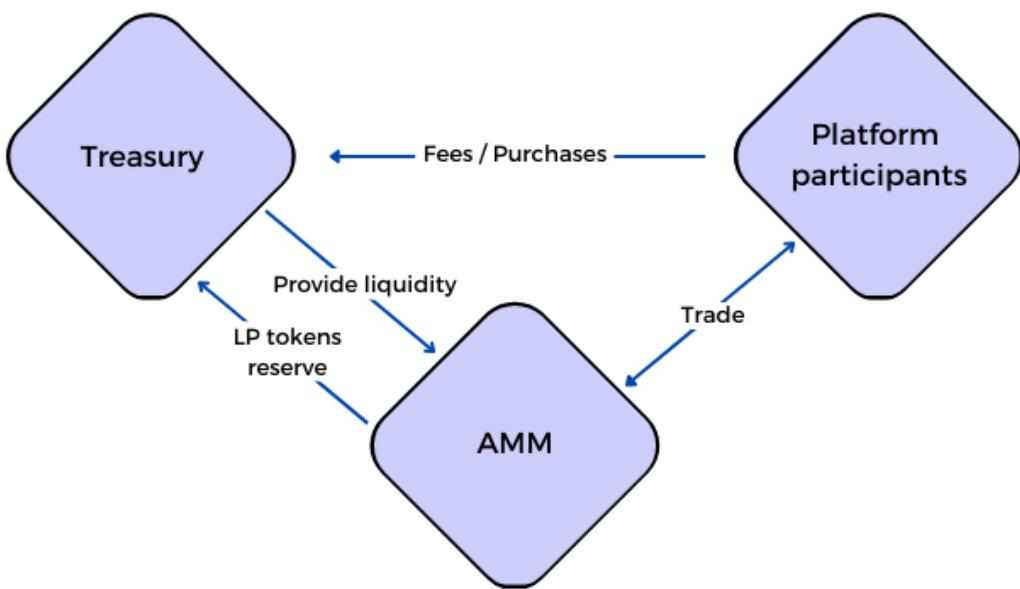
1. A user purchases premium content and engages in other platform transactions that generate fees.
2. SimpliTaught collects the total fee amount.
3. 20% of the collected fees are allocated to Buyback & Liquidity Provision (B&LP), while the remaining 80% supports platform operations.
4. From the B&LP allocation, half of the funds are used to buy TAWT Coin at the market price on the designated AMM (e.g., Raydium for Solana).
5. The other half of the funds are used to purchase USDC (or another stable asset) from the AMM.
6. The acquired TAWT Coin and USDC are then supplied as liquidity to the TAWT Coin-USDC trading pair, enhancing market depth.
7. The resulting TAWT Coin-USDC LP tokens are stored in SimpliTaught's treasury and can only be accessed or spent via a governance vote.

## Example Calculation

- A user purchases premium content for USD 13.
- SimpliTaught collects \$13 in fees.
- 20% (\$2.60) is allocated to Buyback & LP, while \$10.40 funds platform operations.
- \$1.30 is used to buy TAWT Coin from the AMM (e.g., Raydium).
- \$1.30 is used to buy USDC from the AMM.
- The acquired TAWT Coin and USDC are deposited as liquidity in the TAWT Coin-USDC pool.
- The resulting LP tokens are sent to the treasury, enhancing long-term liquidity and governance-controlled reserves.

## Optimized Execution

Since executing buyback and LP operations on every transaction can be inefficient, SimpliTaught batches these actions periodically to minimize gas fees and optimize execution. With this model, 20% of all platform-generated fees contribute to sustainable buybacks and liquidity, fostering a healthier TAWT Coin market while maintaining liquidity depth for future growth.



## Liquidity Pool Setup

The initial liquidity for the TAWT Coin pool (self-funded liquidity) on Raydium (or an equivalent Solana-based AMM) will be established with the following parameters:

Pool Liquidity	Pool Sensitivity
USD Equivalence	\$300,000
Tokens	30,000,000 TAWT Coin
Starting Price	\$0.01 per TAWT Coin
75% bought (Price Impact)	New Price=TBD
75% sold (Price Impact)	New Price=TBD

## Liquidity Pool Breakdown

- The TAWT Coin pool is opened for the TAWT Coin/USDC trading pair, ensuring deep liquidity and ease of trading.
- The USD equivalence represents the total liquidity deposited into the pool, primarily funded from the Exchange Listings allocation of raised funds.
- 30,000,000 TAWT Coin tokens are allocated from the Market-Making token allocation to supply liquidity.
- The initial price of \$0.01 per TAWT Coin is set 5% higher than the highest TAWT Coin token sale price during the TAWT Coin public sale event.
- Pool sensitivity parameters define:
  - The new price if 75% of TAWT Coin in the pool is bought (assuming no additional liquidity is added).
  - The new price if 75% of the initial circulating TAWT Coin is sold (assuming no additional liquidity is added).

A detailed price action graph will illustrate the price impact based on buy/sell actions within the liquidity pool.

This setup ensures a fair market launch for TAWT Coin, stabilizes early trading and supports long-term liquidity growth in the ecosystem.

## Fee Summary

The fees collected by the TAWT Coin ecosystem and their redistribution are as follows:

### B2B Fees (Institutional & Enterprise Services)

Applicable for registrations, transactions, data storage, and premium content services:

- 20% of fees are allocated for buyback & reward pool (RP) or buyback & liquidity provision (LP) to enhance TAWT Coin stability.
- 80% of fees fund platform operations, ensuring sustainability and development.

## B2C Fees (User-Based Services)

Applicable for premium content uploads, quiz participation, transactions, and educational services:

- 20% of fees are allocated for buyback & RP or buyback & LP, maintaining liquidity and token utility.
- 80% of fees support platform operations, including content curation, development, and service enhancements.

These fee allocations may be adjusted at SimpliTaught's discretion based on evolving market conditions and community governance decisions.

# DAO Governance

The governance framework of SimpliTaught Token (TAWT Coin) is designed to foster a community-driven development model, allowing token holders to play an active role in shaping the platform's evolution. Through a structured proposal and voting mechanism, TAWT Coin holders can suggest and vote on new feature implementations, ensuring that the platform remains innovative, user-centric, and aligned with the evolving needs of its ecosystem.

This governance mechanism is strictly limited to feature development and does not extend to financial, operational, or tokenomic decisions.

## Scope of Governance

The TAWT Coin governance model enables token holders to influence and drive feature enhancements within the SimpliTaught platform. The governance process applies exclusively to feature-related decisions, ensuring the platform remains agile, responsive, and aligned with user expectations.

## Eligible Areas for Governance Proposals

- **AI-Powered Exam Preparation Enhancements:** Expanding AI-driven learning features.
- **Content Integration Improvements:** Adding more sources and third-party educational content.
- **User Interface (UI) & User Experience (UX) Upgrades:** Improving platform accessibility and navigation.
- **Book Marketplace Features:** Enhancing the e-book purchasing and reading experience.
- **Annotation & Timestamping Enhancements:** Improving content interaction and study tools.
- **Wallet and Rewards System Enhancements:** Upgrading the ranking system and earnings breakdown.

## Exclusions from Governance

- **Tokenomics Adjustments:** No changes to token supply, distribution, or liquidity mechanisms.
- **Financial & Revenue Policies:** Pricing structures and revenue-sharing models remain with the core team.
- **Operational Management:** Hiring, partnerships, and company-wide strategic decisions.

# Governance Structure

The governance process follows a structured proposal and voting system to ensure transparency, efficiency, and accountability.

## Proposal Submission

### 1. Eligibility to Propose

- a. Any TAWT Coin token holder who meets the minimum token requirement (to be defined) can submit a feature proposal.
- b. The proposer must have been an active participant in the platform for a specified period (to prevent spam submissions).

### 2. Proposal Requirements

- a. Feature Description: A detailed explanation of the proposed functionality.
- b. Use Case & Benefits: How the feature enhances user experience or improves platform functionality.
- c. Feasibility & Technical Considerations: A preliminary assessment of its implementation challenges.
- d. Estimated Development Timeline: A projection of how long it would take to build and deploy.

### 3. Initial Review & Screening

- a. The SimpliTaught Core Development Team will conduct a feasibility review to filter out impractical, redundant, or technically unfeasible proposals before advancing them to the voting stage.
- b. Proposals that pass the review will be published on the governance portal for community discussion.

## Voting Process

Once a proposal has been approved for voting, the community-driven decision-making process takes place.

## 1. Voting Eligibility & Weightage

- a. Only TAWT Coin token holders can vote.
- b. Voting power is proportional to token holdings (1 TAWT Coin = 1 vote).
- c. A minimum quorum requirement must be met for the vote to be considered valid.

## 2. Voting Methodology

- a. On-Chain Voting: Conducted through smart contracts for full transparency and immutability.
- b. Off-Chain Discussion & Polls: Used to gauge initial sentiment before the official vote.

## 3. Decision Thresholds

- a. A simple majority (50% +1 vote) is required for proposal approval.
- b. In cases of highly significant updates, a supermajority (e.g., 66%) may be required.

# Feature Implementation & Roadmap Integration

## 1. Post-Approval Development Process

- a. Approved proposals will be added to the SimpliTaught development roadmap.
- b. The core development team will conduct a detailed feasibility study and allocate the necessary resources for implementation.

## 2. Progress Monitoring & Updates

- a. Token holders will receive regular progress updates on approved features.
- b. The community will have access to a dashboard displaying feature development timelines.

## 3. Final Deployment & Testing

- a. Features will undergo testing phases before being integrated into the platform.
- b. A post-implementation feedback loop will allow token holders to suggest refinements.

# Benefits of TAWT Coin Governance

- **Decentralized Decision-Making:** Empower the community to shape the platform's direction, ensuring that new features align with user needs rather than being dictated solely by the core team.
- **Community-Driven Innovation:** Encourages continuous improvement by allowing token holders to introduce new ideas and refinements to the learning ecosystem.
- **Transparency & Accountability:** All governance activities, including proposals, discussions, and voting outcomes, are publicly accessible on the blockchain, ensuring a trustworthy and tamper-proof governance process.
- **Increased TAWT Coin Token Utility:** By tying platform upgrades to governance participation, TAWT Coin tokens gain additional use cases beyond transactions and rewards, reinforcing their long-term value.

The TAWT Coin governance framework represents a community-driven approach to innovation, ensuring that the SimpliTaught platform continuously evolves to meet the changing needs of learners, educators, and stakeholders.

By allowing token holders to propose and vote on new features, the governance mechanism fosters a transparent, efficient, and collaborative ecosystem, reinforcing SimpliTaught's commitment to user-driven development and long-term sustainability.

# Token Gating Mechanism

The TAWT Coin token gating system is designed to reward token holders by providing tier-based access to platform features. Token holders are categorized into four tiers based on the number of TAWT Coin tokens they hold: Silver, Gold, Diamond, and Titanium. Each tier grants increasing levels of benefits, privileges, and platform utilities.

This system incentivizes long-term token holding, strengthens community engagement, and enhances the overall user experience.

Tier	Minimum TAWT Coin Tokens Required	Access Level	Exclusive Benefits	Additional Perks
Silver	2,000	Basic Access	Ad-free experience Priority customer support 5% discount on book purchases	Monthly reward pool participation Early access to new content
Gold	20,000	Enhanced Access	All Silver benefits Exclusive learning materials 10% discount on book purchases 2 free quiz retries per month	Exclusive Gold-only webinars & workshops Access to limited-time offers
Diamond	200,000	Premium Access	All Gold benefits 15% discount on book purchases 5 free quiz retries per month Increased token rewards for activities	Direct influence on new feature development Access to beta features & testing

Titanium	2,000,000	VIP Access	All Diamond benefits 20% discount on book purchases Unlimited quiz retries VIP customer support Private consultations with platform experts	Invitation to exclusive Titanium-only events Personal voting power in governance proposals
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## Detailed Breakdown of Benefits

### 1. Ad-Free Experience (Silver and Above)

- Silver, Gold, Diamond, and Titanium members enjoy an ad-free browsing experience, ensuring uninterrupted learning.

### 2. Priority Customer Support (Silver and Above)

- Get access to faster response times for inquiries, technical issues, and account-related support.

### 3. Discounts on Book Purchases (All Tiers, Varying Percentages)

- Users holding TAWT Coin tokens receive exclusive discounts on book purchases within the SimpliTaught platform.
- Discounts increase with higher tiers: 5% (Silver), 10% (Gold), 15% (Diamond), and 20% (Titanium).

### 4. Quiz Retry Benefits (Gold and Above)

- Gold members receive 2 free quiz retries per month, Diamond gets 5, and Titanium enjoys unlimited retries.
- Encourages users to improve their knowledge without penalty for mistakes.

### 5. Exclusive Webinars and Workshops (Gold and Above)

- Gold, Diamond, and Titanium members gain access to live webinars and training sessions with industry experts and educators.

### 6. Increased Token Rewards (Diamond and Above)

- Diamond and Titanium holders earn higher rewards for completing courses, quizzes, and platform activities compared to lower-tier members.

## 7. Early Access to Beta Features (Diamond and Above)

- Members at the Diamond and Titanium levels can test new features before public release, providing valuable feedback for platform development.

## 8. VIP Customer Support (Titanium Only)

- Titanium members get a dedicated support team for instant resolutions and one-on-one assistance.

## 9. Private Consultations with Experts (Titanium Only)

- Titanium members receive exclusive one-on-one consultations with platform experts for personalized guidance.

## 10. Personal Voting Power in Governance (Titanium Only)

- Titanium members directly influence platform governance by proposing and voting on key platform features.

## Token Gating and Governance

- **Governance Participation:** Diamond and Titanium holders can vote on new features and platform developments.
- **Proposal Submission:** Titanium holders can submit feature proposals for community voting.

The TAWT Coin Token Gating system introduces a tiered rewards structure that benefits token holders based on their investment in the platform. By offering exclusive perks such as discounts, governance participation, learning benefits, and VIP support, this system incentivizes long-term holding and engagement within the SimpliTaught ecosystem.

This mechanism ensures that the most active and dedicated members enjoy the best platform experience, strengthening the utility and value of the TAWT Coin token over time.

# ID Verification & Certification

## ID Verification for Token Holders

To ensure security, transparency, and authenticity within the SimpliTaught ecosystem, all TAWT Coin token holders will undergo a mandatory ID verification process. This step is crucial to:

- Prevent fraudulent activities such as multiple accounts and token misuse.
- Ensure compliance with platform regulations.
- Provide a secure environment for governance participation and token-gated privileges.

## Verification Process

- KYC (Know Your Customer) Process: Token holders will need to submit a government-issued ID (passport, driver's license, or national ID).
- Facial Recognition Check: To prevent identity fraud, users may be asked to complete a live facial verification.
- Blockchain-Based Identity Confirmation: The ID verification process will be linked to decentralized identity (DID) technology, ensuring privacy and security while maintaining authenticity.
- Approval & Access: Once verified users will gain access to token-gated benefits, governance participation, and certification issuance.

## Governance & Token Gating Access

- Only verified token holders can vote on new features and participate in TAWT Coin governance mechanisms.
- Unverified accounts will have restricted access to certain platform privileges.

## LinkedIn-Shareable Certification

As part of the token-gating rewards and educational incentives, verified TAWT Coin token holders who complete courses on the SimpliTaught platform will receive LinkedIn-shareable digital certificates.

## Key Features of the Certification Program

- **Blockchain-Verified:** Each certificate will be recorded on the blockchain for authenticity, preventing forgery.
- **LinkedIn Integration:** Token holders can seamlessly share their achievements on their LinkedIn profiles to showcase their expertise.

## Eligibility Criteria for Certification

- **Verified ID:** Only users who have completed ID verification will be eligible for certification.
- **Course Completion:** Users must complete a full course, including assessments and quizzes.
- **Passing Criteria:** Users must achieve the minimum passing score to qualify for certification.

By implementing ID verification, SimpliTaught ensures a secure, trusted, and compliant ecosystem for TAWT Coin token holders. Additionally, the LinkedIn-shareable certification program enhances the value of learning on the platform, allowing users to showcase their achievements professionally.

This dual mechanism not only protects the integrity of the platform but also increases the utility of the TAWT Coin token, making it an integral part of the learning and governance experience within SimpliTaught.

# Content Monetization

SimpliTaught enables educators, content curators, and learners to monetize their contributions through the TAWT Coin token. The platform ensures fair compensation for knowledge sharing, course creation, AI-assisted translations, and access to exam libraries. This system incentivizes quality content while maintaining a decentralized and community-driven learning environment.

Monetization Method	Who Can Earn?	How Does It Work?	Earning Model
Course Creation & Curation	Educators, Content Curators	Users can create and curate courses using SimpliTaught's AI tools. If others access these courses, the creator earns TAWT Coin tokens.	Earn a percentage of TAWT Coin tokens when users enroll in your curated course.
AI-Generated Translations	Translators, AI-Assisted Users	If a user translates a video into a particular language using AI, they earn when others access that version.	Earn TAWT Coin tokens when others access your translated content.
Exam Library Access	Educators, Students	Users can monetize their question banks, quizzes, and past exam papers. Other users must pay in TAWT Coin tokens to access them.	Earn tokens when users access your exam library.

Premium Content Sharing	Educators, Experts	Educators can upload exclusive educational content (PDFs, research papers, lecture notes) and set access fees.	Earn TAWT Coin tokens per content view/download.
Live Sessions & Webinars	Educators, Industry Experts	Educators can host live classes, workshops, and Q&A sessions, charging attendees TAWT Coin tokens.	Earn TAWT Coin tokens per participant.

## AI-Assisted Translation Monetization

SimpliTaught offers an AI-powered video translation tool, allowing users to translate educational videos into different languages. If a video has already been translated into a particular language, another user must pay TAWT Coin tokens to access that translation, and the original translator earns a percentage of the fee.

Example:

- User A translates a physics lecture from English to Spanish.
- User B wants the Spanish version and pays TAWT Coin tokens.
- User A earns a share of the transaction.

This feature ensures fair compensation for contributing to multilingual accessibility while reducing redundant translations.

## Exam Library Monetization

Users can upload, structure, and organize their exam materials, past papers, or mock tests. Others who wish to access these resources must pay TAWT Coin tokens, providing a passive income stream for exam content creators.

Example:

- User A curates a high-quality question bank for a specific exam.
- User B wants to practice using this question set and pay for TAWT Coin tokens.
- User A earns a percentage of the transaction.

This system rewards knowledge sharing while ensuring students can access high-quality exam materials.

## Educator & Content Creator Revenue Model

The revenue generated through the monetization methods

Revenue Source	Creator Share	Platform Fee	Other Rewards
Curated Course Access	80%	20%	Additional bonuses for popular courses.
AI Translation Access	70%	30%	Higher rewards for less common language translations.
Exam Library Access	85%	15%	Bonus tokens for frequently accessed exams.
Premium Content (Papers, PDFs, Notes)	75%	25%	Content rated highly by users gets additional exposure.
Live Webinars & Sessions	90%	10%	Incentives for high-attendance sessions.

SimpliTaught's content monetization system empowers educators, students, and content creators by providing multiple revenue streams through the TAWT Coin token. By integrating AI-powered translation, curated courses, and exam library monetization, the platform fosters a sustainable knowledge economy where contributors are fairly rewarded.

This system not only drives engagement but also enhances content accessibility, ensuring that quality education remains at the forefront of the SimpliTaught ecosystem.

# Microservices Architecture

SimpliTaught is built on a microservices architecture to provide scalability, flexibility, and high availability. Each feature is developed as an independent microservice, allowing for seamless updates, modular development, and fault isolation. If one service encounters an issue, other services remain unaffected, ensuring continuous platform availability.

## Key Microservices and Their Functionalities

### AI Microservice

The AI microservice delivers AI-driven features to enhance the user experience through:

- Recommendation Engine – Uses AI to analyze student behavior and preferences, providing personalized content recommendations.
- Auto Curation – Organizes and curates learning materials, optimizing learning paths for users.
- Language Translation – Supports multi-language accessibility, allowing users to translate content into various languages.

### Content Microservice

The Content microservice manages all educational resources and course interactions, ensuring structured learning experiences.

- Additional Learning Resources – Manages PDFs, presentations, recorded lectures, and supplementary materials.

### Profile Microservice

The Profile microservice maintains user identity and personalization settings.

- **Basic User Information:** Stores name, email, role (student, educator, etc.), and profile image.
- **Profile Details:** Customizable user settings, preferences, and activity history.

## Authentication

The authentication of microservice is responsible for secure user authentication and access control.

- **User Authentication:** Ensures secure login using password hashing and multi-factor authentication (MFA).
- **Role-Based Access Control (RBAC):** Grants permissions based on user roles (student, educator, admin, etc.).
- **Session Management:** Maintains active user sessions securely while preventing unauthorized access.

## Chat System Microservice

The Chat System operates as an independent microservice to facilitate real-time communication.

- **Direct Messaging:** Enables one-on-one and group chats.
- **Notifications & Alerts:** Sends updates regarding course progress, messages, and important announcements.
- **Chat with Video Feature:** Allows educators and students to interact via live video chat.

Benefit	Impact
Scalability	Each microservice can scale independently, improving platform performance.
Fault Isolation	If one service fails, others continue running without disruptions.
Flexible Deployment	Services can be updated or deployed separately without affecting the entire system.

Enhanced Authentication	Isolated services reduce the risk of security breaches affecting the entire platform.
Faster Development & Maintenance	Teams can work on different microservices simultaneously, accelerating feature releases.

SimpliTaught's microservices-based architecture ensures a robust, scalable, and modular learning ecosystem. By breaking down the platform into independent services, we enhance system reliability, improve security, and offer a seamless user experience while maintaining high availability and flexibility.

# Security

Security is a top priority in SimpliTaught, ensuring the protection of user data, secure transactions, and compliance with industry standards. Our multi-layered security approach safeguards against threats while maintaining seamless user experiences.

## Key Security Measures

### Password Encryption & User Authentication

- All user passwords are hashed and salted using advanced cryptographic algorithms (e.g., bcrypt, Argon2).
- Hashing ensures one-way encryption, making password recovery impossible even in case of data leaks.
- Multi-factor authentication (MFA) adds an extra layer of security for sensitive operations.

### Secure Access Control

- Role-Based Access Control (RBAC) ensures students, educators, and administrators only have access to relevant platform sections.
- API rate limiting and throttling prevent unauthorized access attempts and brute-force attacks.
- Session Management ensures users are logged out after inactivity to prevent unauthorized access.

### Data Protection & Privacy Compliance

- All sensitive user data is encrypted at rest (AES-256) and in transit (TLS 1.3).
- Compliance with GDPR, CCPA, and other data protection regulations ensures user privacy and data rights.
- Regular security audits and penetration testing identify vulnerabilities before they can be exploited.

## Secure Transactions & Token-Based Security

- Payments and transactions are protected with end-to-end encryption and blockchain-based verification.
- Tokenized authentication ensures that sensitive API requests remain secure and tamper-proof.

## Threat Detection & Prevention

- AI-driven anomaly detection monitors unusual behavior patterns to prevent fraud.
- DDoS Protection mitigates large-scale attacks and ensures platform availability.
- Real-time alerts notify administrators of any suspicious activity.

## Security Benefits for Users

Feature	Benefit
Encrypted Passwords	Ensures credentials remain safe even if exposed.
Multi-Factor Authentication	Adds an extra layer of account protection.
Role-Based Access Control	Prevents unauthorized access to critical features.
End-to-End Encryption	Protects data during transmission and storage.
Threat Detection	Identifies and mitigates security risks in real-time.

SimpliTaught's security framework is designed to protect users, data, and transactions from threats. By implementing state-of-the-art encryption, secure authentication, and proactive threat prevention, we ensure a safe and trusted learning environment for all users.

# Sales Financials & Token Generation Event

## Token Generation and Financial Significance

The Token Generation Event (TGE) is the official launch of a cryptocurrency token, where its initial supply is created and distributed. For TAWT Coin, the TGE ensures fair distribution across pre-seed, seed, private, and public.

From a financial perspective, token sales fund key platform developments, including technology upgrades, marketing, liquidity provision, and operational expenses. Pre-seed and seed rounds help to secure strategic partners, while the private and public ensure community participation.

Basics	
Ticker	TAWT Coin
Sale Denomination currency	USD
Jurisdiction	USA
Eligibility	Subject to KYC and AML
Sale stages	4
Sale start date	
Sale end date	
Accepted currencies	USD, SOL

The SimpliTaught Token (TAWT Coin sale will be conducted in four stages, with USD and SOL as accepted currencies. Participation will be abided by KYC and AML compliance so to ensure regulatory adherence within the USA jurisdiction. The sale aims to provide a secure and transparent investment opportunity, with key details such as start and end dates to be announced.

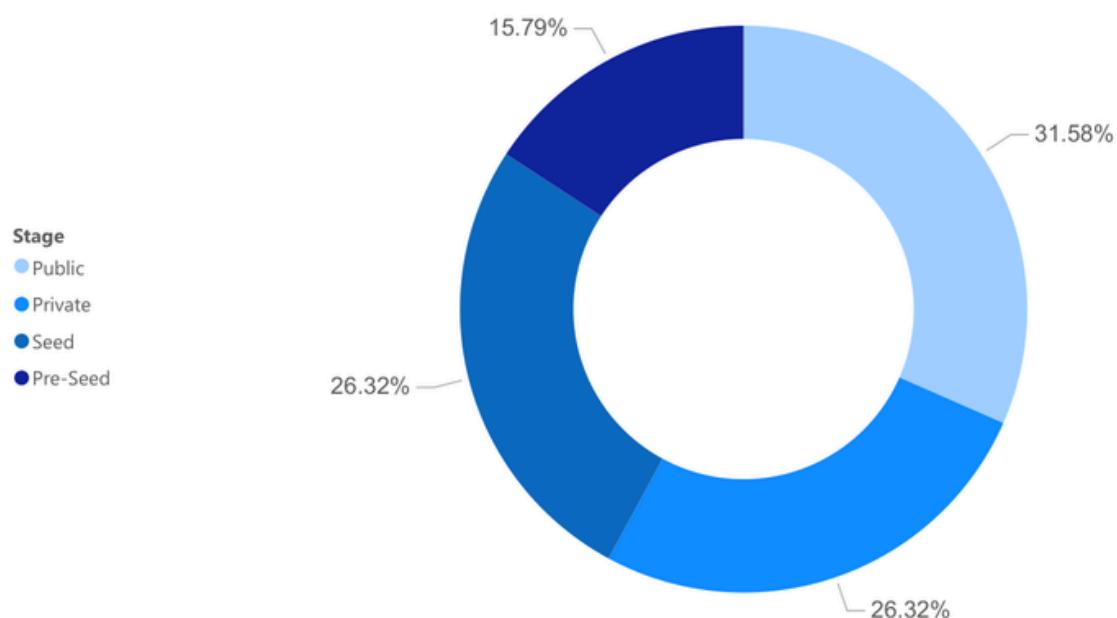
Token Generation Event Summary	
Soft Cap	20M
Hard Cap	40M
Initial Total Tokens	2B
Sales Token	380M
Sales Allocation	19%
Remaining token post sales	Deposited to reserve
Important notice	Under SEC rules, this token may constitute a security contract and will not be offered to US unaccredited investors.
Accepted currencies	USD, SOL

The SimpliTaught Token (TAWT Coin sale targets a soft cap of \$20M and a hard cap of \$40M, with 380M tokens (19% of total supply) allocated for sale. Post-sale, unsold tokens will be deposited into reserves for future ecosystem growth. As per SEC regulations, TAWT Coin may be classified as a security, restricting its sale to accredited US investors only.

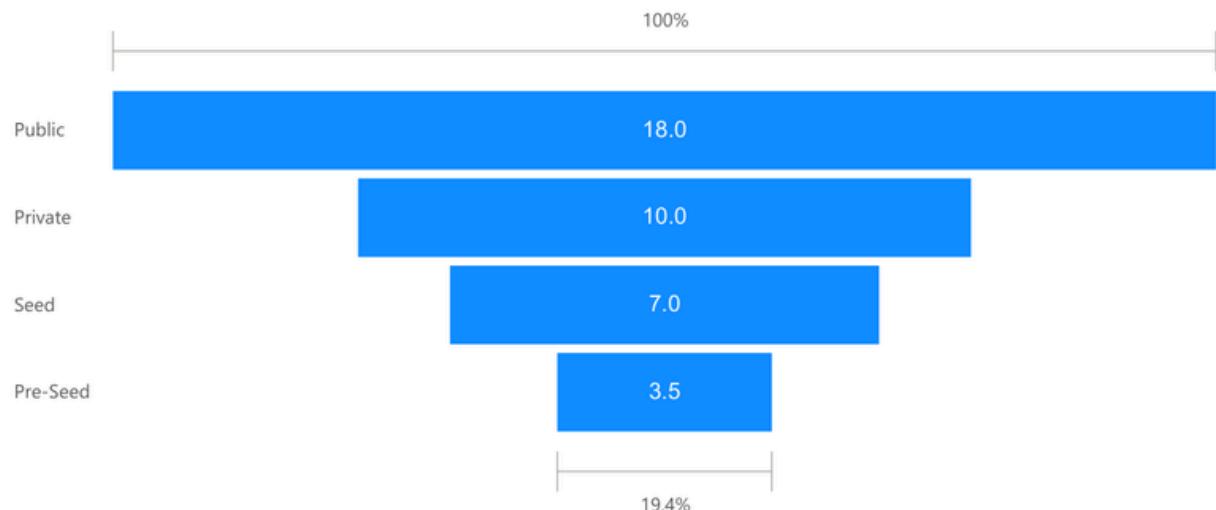
## Token Sale Setup

Token Sale Setup				
Stage	Price (USD)	Token	Raise (USD)	FDV (USD)
Pre-Seed	0.05	60M	3.5M	3.5M
Seed	0.075	100M	7M	7M
Private	0.1	100M	10M	10M
Public	0.15	120M	18M	18M

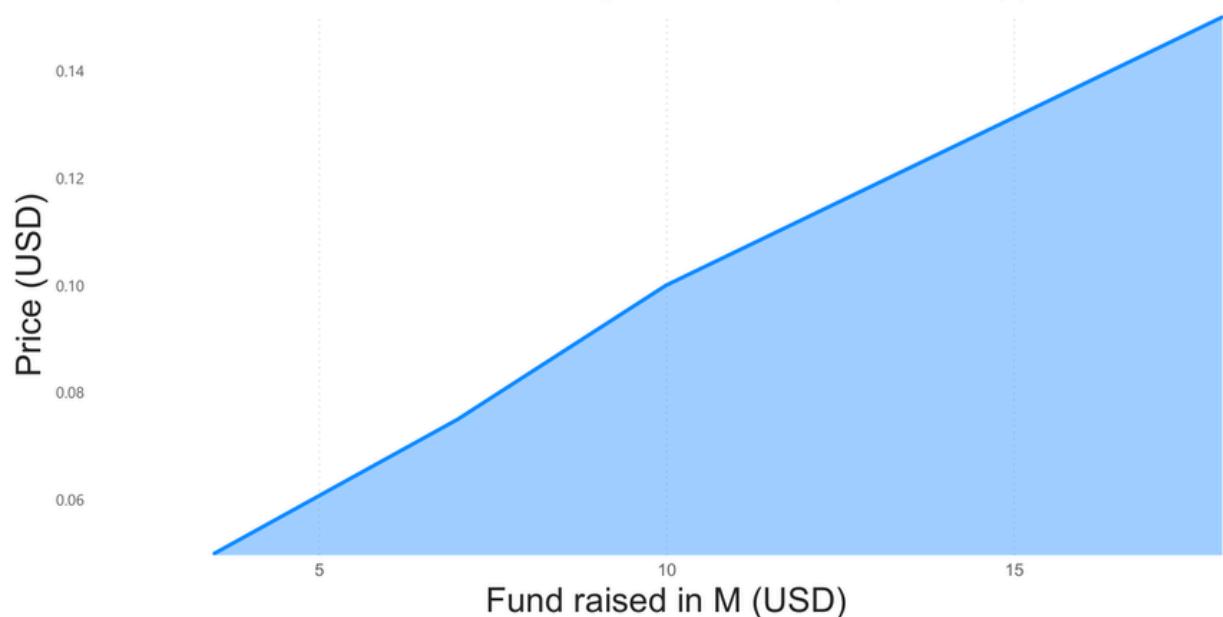
## Token Allocation Division (Sale Setup)



## Funds Raised /M (USD) by Stage (Sale Setup)



## Price Raise and Funding Raise Trend (Sale Setup)

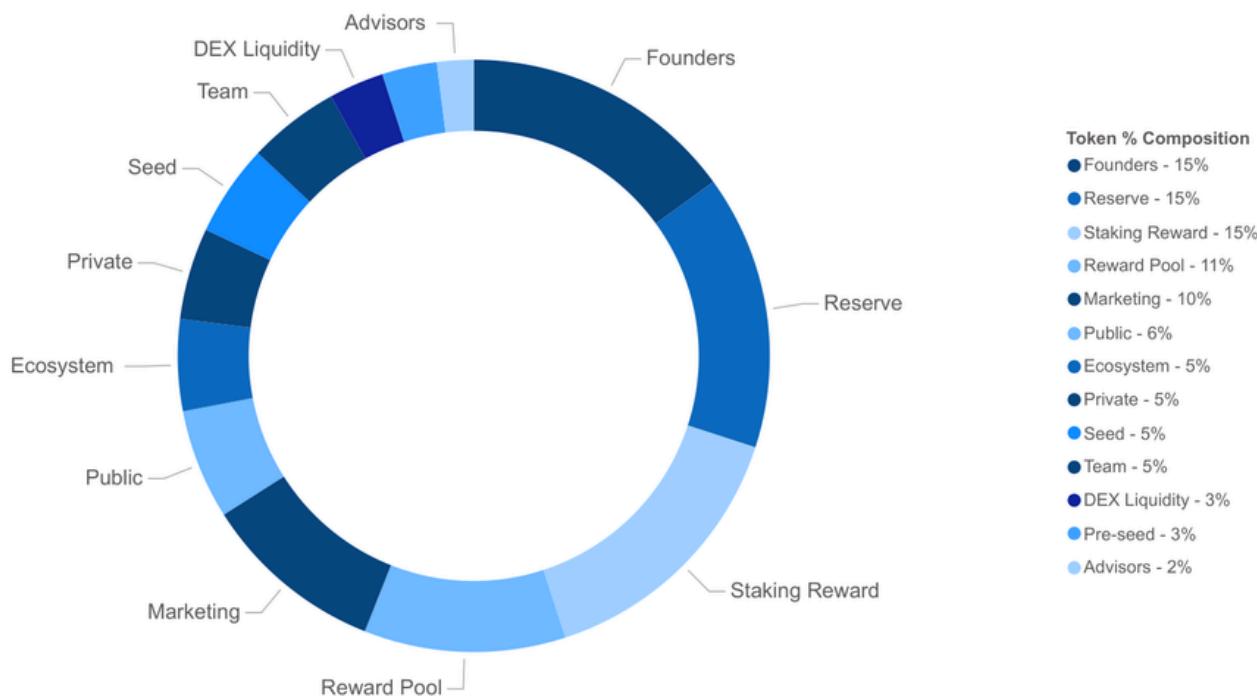


<b>Stage</b>	<b>Allocation</b>	<b>Tokens</b>	<b>Cliff</b>	<b>Vesting</b>
Pre-Seed	3%	60M	3 months	linear vesting over 6 months
Seed	5%	100M	3 months	linear vesting over 4 months
Private	5%	100M	1 month	linear vesting over 3 months
Marketing	10%	200M	3 month	linear vesting over 4 months
Public	6%	120M	6 month	linear vesting over 12 months
Founders	15%	300M	9 months	Linear vesting over 36 months
Team	5%	100M	12 months	Linear vesting over 24 months
Advisors	2%	40M	3 months	Linear vesting over 6 months
Ecosystem	5%	100M	No cliff	After the first month, 20M tokens are unlocked (1/5 of 100M). For the next 4 months, 20M tokens are unlocked each month until all 100M tokens are fully distributed.

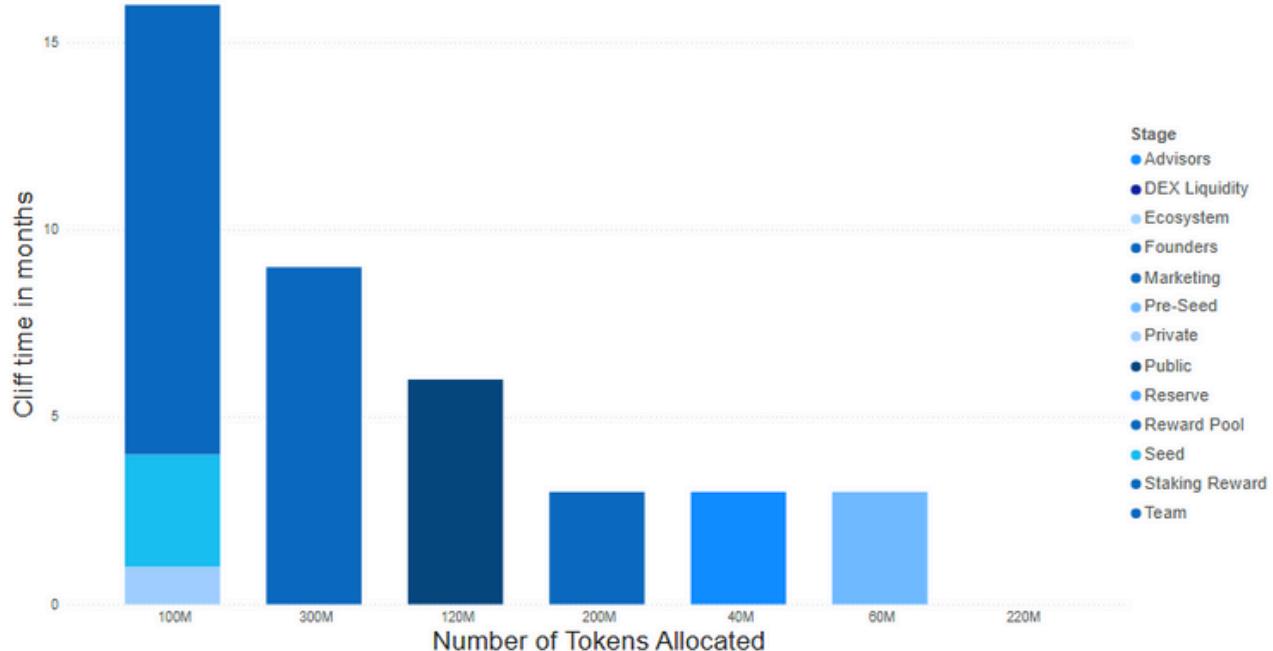
Reserve	15%	300M	No cliff	No tokens are accessible for the first 6 months. After 6 months, Tokens start unlocking in 18 equal installments. 1st installment: $300,000,000 \div 18 = 16.67M$ tokens are unlocked. Each month for 18 months: 16.67M tokens are unlocked until all 300M tokens are fully distributed.
Ecosystem	5%	100M	No cliff	After the first month, 20M tokens are unlocked (1/5 of 100M). For the next 4 months, 20M tokens are unlocked each month until all 100M tokens are fully distributed.
DEX Liquidity	3%	60M	No Cliff	No lockup
Staking Reward	15%	300M	Released as per actual earning	N/A
Reward Pool	11%	220M	No Cliff	N/A
Totals	100%	2B		

## Allocation of Tokens

Allocation of Tokens in %



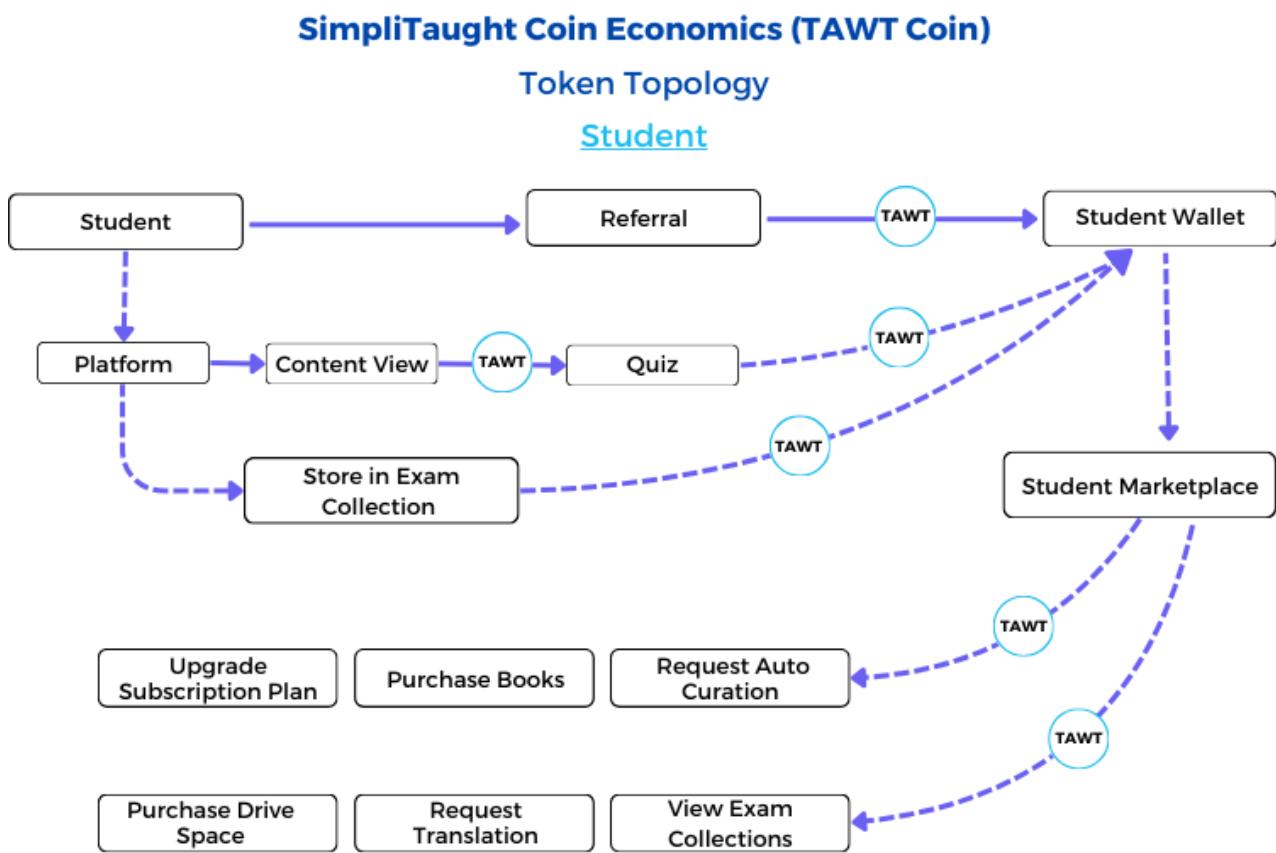
Cliff Time and Allocated Tokens



# Token Topology

Token topology plays a crucial role in the SimpliTaught platform by defining how tokens are assigned, earned, and utilized by both students and educators. The topology also defines how tokens are circulated in the LP Staking perspective.

## Student Topology



## How tokens are earned

**Viewing Course Content:** Engaging with video lectures, reading materials, and interactive sessions allows students to get rewards in the form of tokens.

**Completing Quizzes:** Successfully completing quizzes in enrolled courses rewards students with tokens.

**Uploading Topic-Related Content to the Library:** Students can contribute valuable learning materials such as notes, slides, and summaries to the platform's exam library. When other students view or utilize this content, the original contributor earns tokens.

**Referral:** Students also get rewarded based on the referral system.

## How tokens are utilized

**Subscription Renewal:** Students can use tokens to renew their access to premium features.

**Purchasing Books and Learning Materials:** A dedicated marketplace within SimpliTaught allows students to buy e-books using tokens.

**Auto-Curation of Personalized Content:** Tokens can be spent to curate content specific to a student's learning path, providing customized and precise content as per student needs.

**Expanding Drive Storage Space:** Additional storage space for uploading and saving personal notes and resources can be acquired using tokens.

**Video Translation Services:** Students can use tokens to translate course videos into different languages for better understanding.

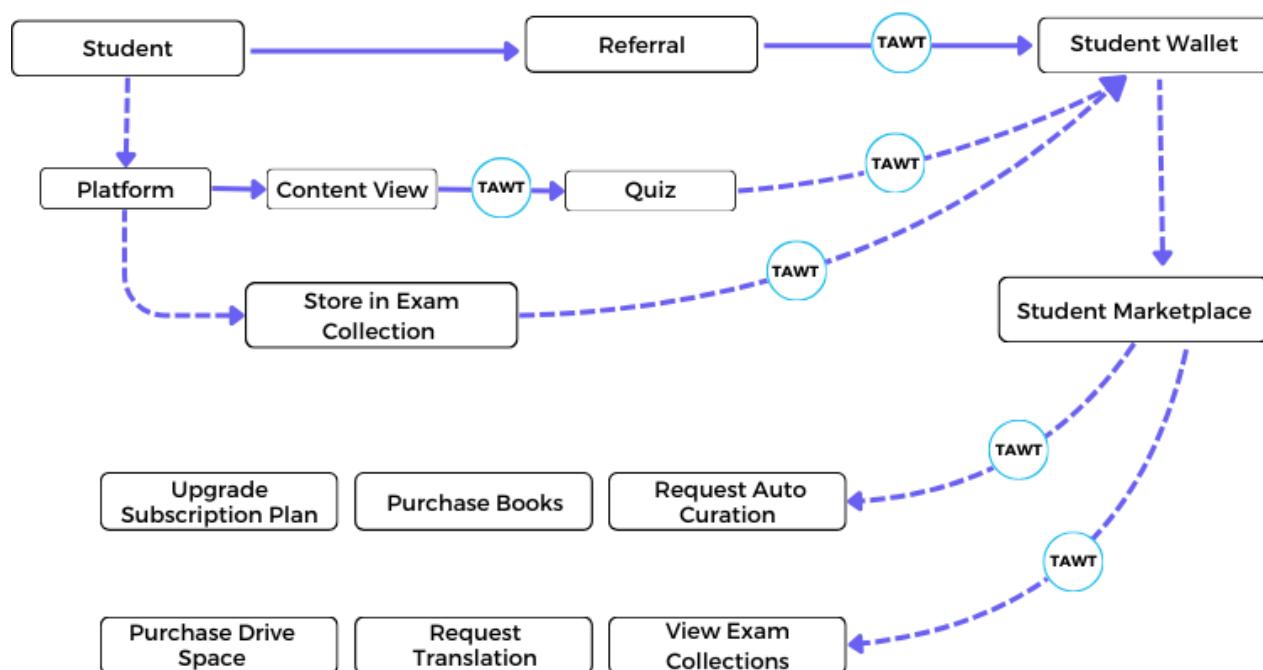
**Accessing Exam Libraries:** Students can use the tokens in a similar way as the other students will utilize while accessing the uploaded content in the exam library.

## Educator Topology

### SimpliTaught Coin Economics (TAWT Coin)

#### Token Topology

##### Student



## How Tokens are Earned

**Course Activeness:** The active rate of an educator's course is defined by students enrolled in the course, content uploading rate, and diversity and educator participation with students. A higher activeness rate will result in getting more tokens as a reward.

**Course Completion Rate:** Higher student completion rates indicate effective teaching methods, rewarding educators with tokens.

**Referral-Based Subscribers:** Educators who successfully refer students to enroll in their courses receive tokens.

**Course Content Views:** The number of students engaging with an educator's course content directly contributes to their token earnings.

## How Tokens can be utilized

**Subscription upgrade:** Accessing premium features of the platform by upgrading the subscription to premium.

**Purchasing Educational Resources:** Buying books on the platform.

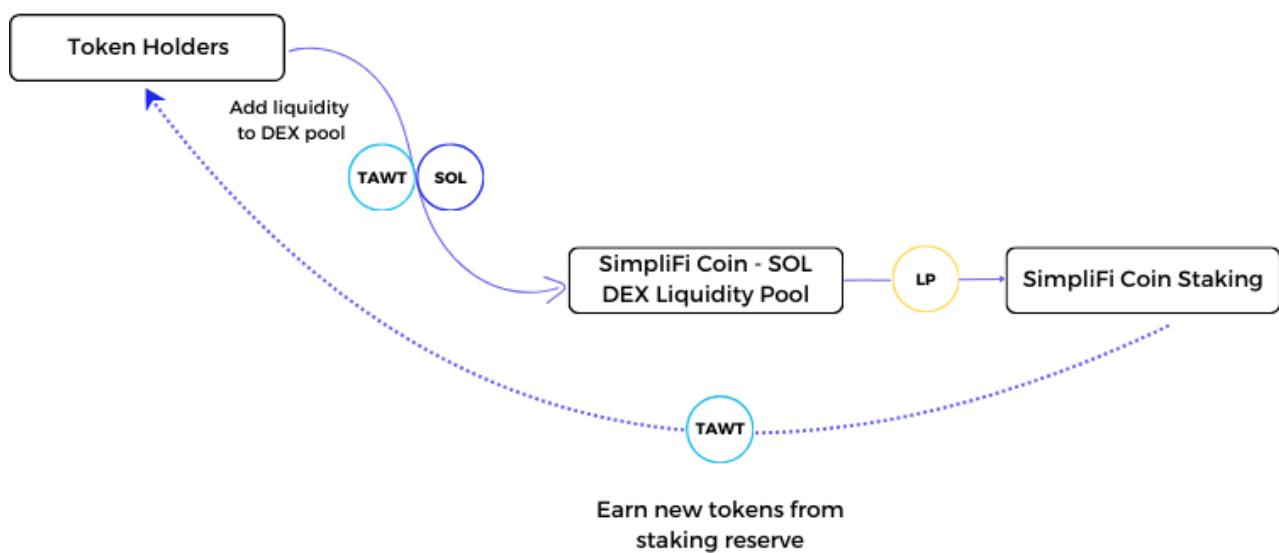
**Auto-Curation for Course Enhancement:** Using AI-driven curation to improve course structure and content delivery.

**Expanding Drive Storage:** Additional storage for maintaining high-quality course materials and video lectures.

## LP Stake Topology

### SimpliTaught Token Economics

#### LP Staking



# Token Valuation

This section outlines the valuation methodology used to determine the future price of the TAWT Coin utility token by applying a set of financial and economic assumptions.

## The Quantity Theory of Money

The most widely used valuation methodology for utility tokens is based on the quantity theory of money, particularly the equation of exchange, which is:

$$M \times V = P \times T$$

Where:

1. M = The amount of money (or tokens) in circulation within a specific system.
2. V = The velocity of money (i.e., how often a token changes hands within a predefined period, usually annually).
3. P = The price at which transactions occur within the system.
4. T = The number of transactions over the predefined period.
5. PT = The total economic output of the system over the selected period (often called the "GDP of the system").

Since cryptocurrencies are denominated in their native utility tokens, we must introduce an additional exchange rate parameter to relate TAWT Coin tokens to USD (or another fiat currency), transforming the equation into

$$M_T \times E_{T/USD} \times V = P_{USD} \times T$$

Where:

1.  $M_T$  = Total TAWT Coin tokens in circulation.
2.  $E_{T/USD}$  = Exchange rate of TAWT Coin to USD.
3.  $V$  = Velocity of the token within the TAWT Coin ecosystem.
4.  $P_{USD} \times T$  = The total economic output of the TAWT Coin ecosystem.

By rearranging the formula, we can solve for  $E_{T/USD} =$ , which represents the expected TAWT Coin token price:

$$E_{T/USD} = \frac{P_{USD} \times T}{M_T \times V}$$

## Impact of Staking and Locked Tokens on Token Price

TAWT Coin supports staking mechanisms, where users lock tokens for rewards. Since staking reduces the circulating supply, it influences price movements. We can adjust the equation to account for this temporary reduction in circulating supply:

$$(M_T - M_1) \times E_{T/USD} \times V = P_{USD} \times T$$

Solving for  $E_{T/USD}$  =

$$E_{T/USD} = \frac{P_{USD} \times T}{M_T \times V}$$

Where:

- $M_1$  = The number of tokens removed from circulation due to staking or locking.
- A simple method to estimate M1 is:

$$M_1 = \frac{S_{USD}}{E_{T/USD}}$$

where  $S_{USD}$  is the fiat value of the staked tokens. However, since buying tokens for staking affects the token price itself, a direct estimation is not accurate.

## Non-Linear Price Impact of Staking

A reduction in token supply directly increases the token price. If supply is reduced by 50%, the token price doubles; if reduced by 75%, the price quadruples. This follows a constant product function:

$$(1 - R) \times P_1 = 1$$

Where:

- $R$  = Percentage reduction in circulating supply.
- $P_1$  = Percentage increase in token price.

Using integral calculus, the cumulative impact on price is:

$$I_{cp} = \int \frac{1}{1-R} dx = \ln|1 - R| + C$$

Plugging this into the equation:

$$(M_T - \frac{S_{USD}}{E_{T/USD} \times I_{cp}}) \times E_{T/USD} \times V = P_{USD} \times T$$

This equation ensures TAWT Coin's tokenomics accurately reflect staking effects.

## Multi-Year Staking

Since TAWT Coin staking can occur over multiple years, each year's locked amount must be calculated separately because token prices fluctuate annually. The price adjustment for locked tokens is:

$$E_{T_N/USD} = \frac{P_{USD} \times T}{(M_T - \sum_N S_{USD_N} / E_{T_N/USD})}$$

where:

- N = Year of staking.
- $S_{USD_N}$  = USD equivalent of tokens locked in the year N.
- $E_{T_N/USD}$  = TAWT Coin price in the year N.

These calculations help determine TAWT Coin's circulating supply and price over time, ensuring a sustainable token economy.

## Cashflow Facilitated Through the TAWT Coin Token

TAWT Coin's long-term goal is to become the leading blockchain-based education and exam preparation platform, leveraging Web3 technologies to ensure verified learning records, secured content access, decentralized credentialing, and tokenized incentives for learners and educators. This will be achieved under the following assumptions:

### B2B Pricing Model:

- \$0.99 per content verification & transaction
- \$0.99 per credential issuance (blockchain-stored certificates, badges, or diplomas)
- Tiered storage pricing for academic content and student records
- Customized enterprise solutions for institutions and publishers

### B2C Pricing Model:

- \$1.99 - \$9.99 per premium course content purchase
- Free access to decentralized learning resources
- Tiered storage pricing for student-generated content (notes, annotations, drive usage)
- Free credential verification for learners and employers

## Projected Revenue & Token Cashflow

The TAWT Coin token will facilitate cash flow across the platform, integrating seamlessly into its learning, certification, and reward systems.

Key assumptions:

- 50% of all transactions on the platform will be conducted using TAWT Coin tokens.
- TAWT Coin will be used for purchasing courses, staking for premium content access, and receiving rewards for completing quizzes and learning modules.
- Educational institutions and content creators will be incentivized to accept TAWT Coin for licensing their materials.

By ensuring a sustainable token economy, TAWT Coin will maintain strong liquidity, demand-driven valuation, and adoption within the edtech space.

## Token Circulation

The total number of TAWT Coin tokens in circulation will be influenced by several key factors:

### 1. Lost Tokens

Some percentage of tokens will inevitably be lost over time due to users losing access to their private keys. Based on conservative estimates, 0.5% of the circulating supply (excluding permanently locked or vested tokens) will be lost annually. Studies on BitCoin have shown that around 4 million BTC (approximately 25% of its supply by 2017) have been lost over ten years, with other estimates putting this number closer to 11% for provably lost coins.

### 2. Token Staking

As previously mentioned, TAWT Coin tokens will be staked within the ecosystem, including:

- User staking for premium content access and exclusive learning resources
- Educators and institutions staking to increase visibility and credibility
- Staked liquidity pool (LP) tokens, paired with stablecoins, to maintain market stability

### 3. Reward Pool (RP) Tokens

A portion of TAWT Coin tokens will be allocated for the reward pool, ensuring users continue to receive incentives for engagement activities such as:

- Completing quizzes and exams
- Uploading high-quality educational content
- Participating in platform-enhancing activities like peer reviews and discussions

These tokens will be replenished via the buyback program, ensuring a sustainable reward system.

### 4. Liquidity Pool (LP) Tokens

Tokens that are acquired via the buyback mechanism will not be burned immediately but will first be provided as liquidity in the TAWT Coin trading pairs. These LP tokens will be managed by the treasury and can be utilized only through governance decisions.

## 5. Token Vesting

TAWT Coin tokens allocated to the team, advisors, and early investors will be subject to a vesting schedule, ensuring a gradual and controlled release into the market, and reducing the risk of price volatility.

## 6. Gradual Release of Tokens from the Reward Pool

As described previously, the reward pool will distribute TAWT Coin tokens over time to maintain a steady incentive structure. The release schedule will be carefully designed to align with user adoption and engagement growth, ensuring a sustainable token economy. By considering these factors, TAWT Coin's token circulation model ensures long-term value retention, sustainable incentives, and a balanced token supply, fostering growth within the education and Web3 learning ecosystem.

## Token Velocity

The velocity of the TAWT Coin token is one of the most critical and sensitive assumptions to estimate. To derive a reasonable estimate, we have analyzed the on-chain velocity of BitCoin(BTC) and Ethereum (ETH), as well as the velocity of USD M1 and M2 money supply as benchmarks.

We focus exclusively on on-chain velocity, as every meaningful transaction within the blockchain ecosystem is recorded on-chain. Exchange transaction volumes, on the other hand, are often speculative and subject to manipulation. A more detailed 12-month study on blockchain asset velocity suggests that actual velocity might be lower than initially observed.

### Understanding Money Supply & Velocity Metrics

- M1 (Money Supply): Represents the total currency in circulation, including physical cash, demand deposits, and checkable deposits.
- M2 (Money Supply): Includes M1 plus savings deposits, smaller time deposits (under \$100,000), and retail money market funds.

By analyzing on-chain velocity trends from BitCoin and Ethereum, we can establish a conservative velocity assumption for TAWT Coin that accounts for token staking, burning mechanisms, and long-term user engagement within the platform.

## TAWT Coin Token-Specific Velocity Considerations

- Utility-Based Transactions

1.TAWT Coin tokens will be actively used for:

- a.Paying for premium educational content
- b.Staking for course access and certifications
- c.Purchasing books and digital learning materials
- d.Rewarding contributors (educators, content creators, and active learners)

2.These transactional use cases increase token velocity, ensuring that TAWT Coin remains an active medium of exchange within the education-focused Web3 economy.

- Staking & Reduced Circulating Supply

1.A significant portion of TAWT Coin tokens will be staked, reducing the circulating supply.

2.Staked tokens will be used for governance, liquidity provision, and premium service access.

3.This naturally lowers token velocity, as locked tokens are not frequently traded.

- Burning Mechanisms

1.A portion of transaction fees and platform revenue will be burned, ensuring deflationary pressure.

2.Burning mechanisms further slow down velocity by permanently reducing supply.

- TAWT Coin vs. Traditional Money Supply

1.Unlike traditional fiat money (USD M1 and M2), TAWT Coin token transactions are driven by the education and blockchain ecosystem rather than speculative trading.

2.This means that TAWT Coin velocity is likely to be lower than BTC/ETH on-chain velocity, making it a more stable token for long-term utility.

## Projected TAWT Coin Token Velocity

Based on the above assumptions, we estimate a conservative hybrid velocity for TAWT Coin, considering:

- The staking model reduces active circulation
- Burning mechanisms further decrease the available supply
- Transaction demand increases as more users adopt the platform

As a result, TAWT Coin's velocity is expected to be lower than speculative assets (BTC, ETH) while maintaining enough liquidity to support an active learning economy within the SimpliTaught ecosystem.

## Token Value

Having established all the key components outlined earlier, we can now determine the fair token value of TAWT Coin using the equation of exchange. Additionally, we can estimate the expected return on investment (ROI) by comparing the projected fair token price against the lowest TAWT Coin token sale price, considering all bonuses and incentives offered.

## Projected Fair Token Price & Expected ROI

The estimated fair token price and expected ROI are based on company performance assumptions and the anticipated growth of the SimpliTaught ecosystem. The token value is influenced by factors such as:

- Platform adoption & transaction volume
- Staking & reduced circulating supply
- Revenue from premium services, book marketplace, and AI-powered exam preparation
- Liquidity incentives and buyback mechanisms

## Key Questions & Market Dynamics

### 1. Why is the price in years one and two lower than the token sale price?

This is a common question driven by the difference between fair value and market price. The fair price of TAWT Coin is derived solely from its utility, meaning the projected price in the initial years reflects its adoption within the ecosystem. However, the market price of TAWT Coin will also factor in speculative demand, investor expectations, and external market conditions, leading to potential price fluctuations.

### 2. Why would investors purchase during the token sale if the projected price is initially lower?

It is crucial to understand that the initial token sale provides early access to TAWT Coin at a price that is expected to appreciate significantly over time. Investors anticipate long-term value appreciation, which is not purely dictated by utility-driven fair value in the short term.

As Ray Dalio, founder of Bridgewater Associates, explains:

"Market pricing reflects expectations of the future; as such, it paints quite detailed pictures of what the consensus expectation of the future is. Then, the markets move as a function of how events transpire relative to those expectations."

In other words, TAWT Coin's fundamental utility value is expected to grow beyond the initial token sale price as the SimpliTaught platform expands its user base and transaction volume increases. Early-stage token holders anticipate future appreciation, making TAWT Coin an attractive long-term investment.

# TAWT Coin Exchange Listing, Public Sales, and Growth Roadmap

## Pre-Launch Liquidity Events

### 1. Pre-Seed Funding, Seed Funding & Private Sale

**Participants:** Early investors, venture capitalists, and strategic partners.

**Cash-Out Opportunity:** Private investors often secure tokens at discounted rates (up to 90% off public price).

Vesting schedules may delay full liquidity, but partial releases allow gradual cash-outs.

**Risk:** Early exits can trigger "pump and dump" scenarios if not controlled.

### 2. Public Sale: Initial CoinOffering (ICO) / Initial DEX Offering (IDO) / Initial Exchange Offering (IEO)

**Participants:** Retail investors and crypto enthusiasts.

**Cash-Out Opportunity:** Once the token is listed on a decentralized (DEX) or centralized exchange (CEX), early investors can sell during the initial price surge.

Many tokens see 2x-10x increases post-IDO.

Multiplier	Post-IDO Price	Total Value	Profit	ROI (%)
2x	\$0.10	\$100,000	\$50,000	100%
3x	\$0.15	\$150,000	\$100,000	200%
5x	\$0.25	\$250,000	\$200,000	400%

10x	\$0.50	\$500,000	\$450,000	900%
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**Pro Tip:** Investors often exit within the first few hours/days to capitalize on post-launch hype.

## Post-Launch Liquidity Events

### 3. Token Listing on Major Exchanges

**Impact:** A CEX listing (e.g., Binance, Coinbase) increases liquidity and brings mainstream attention.

**Cash-Out Opportunity:** Prices typically spike upon major exchange listings (“Coinbase Effect”).

**Forecast:** If someone invests \$50,000 to buy 1,000,000 tokens at the pre-sale of \$0.05 per token, he can expect a \$100,000 profit, up to a 3x increase in public sales.

Investors often plan exits around listing announcements.

### 4. Liquidity Provisioning

**Cash-Out Opportunity:** Liquidity providers can exit by withdrawing their funds along with earned rewards.

**Caution:** Impermanent loss risk if the token price fluctuates significantly.

### 5. Airdrops and Forks

**How It Works:** Holders may receive free tokens during promotional airdrops or blockchain forks.

**Cash-Out Opportunity:** Sell airdropped or forked tokens upon receipt—prices often spike immediately post-airdrop.

## Long-Term Liquidity Events

### 6. Staking Rewards

**How It Works:** Investors lock tokens in staking pools and earn passive income.

**Cash-Out Opportunity:** Regularly sell staking rewards or compound earnings for larger future exits.

## 7. Network Upgrades or Protocol Announcements

**Examples:** Mainnet launches, partnerships, or ecosystem expansions.

**Cash-Out Opportunity:** "Buy the rumor, sell the news" is common—prices often spike before major events and dip afterward.

## 8. Token Burn Events

**How It Works:** A portion of tokens is permanently removed from circulation, reducing supply and increasing scarcity.

**Cash-Out Opportunity:** Speculative price increases occur post-burn; investors often sell into this demand.

## 9. Liquidity Unlock (Vesting Period Ends)

**Participants:** Private sales investors, team members, and advisors.

**Cash-Out Opportunity:** As vesting periods end, token holders can finally sell their allocated tokens.

Investors often sell before major unlock events to avoid price drops due to increased supply.

## 10. Bull Market Peaks & Market Cycles

**Macro Events:** BitCoinhalving, global crypto bull runs.

**Cash-Out Opportunity:** Many investors strategically exit during altCoin"supercycles" when speculative demand peaks.

Stablecoins like USDT or USDC are used to "cash out" without entirely leaving the crypto ecosystem.

## Specialized Liquidity Events

### 11. Strategic Partnerships & Institutional Investments

**Example:** Tesla's BTC purchase boosted Bitcoin's price significantly.

**Cash-Out Opportunity:** Institutional buys often spark FOMO (Fear of Missing Out); investors sell into these rallies.

SimpliTaught's collaboration with universities is expected in the future.

## 12. NFT and Metaverse Integrations

**Example:** A token integrates with a popular NFT platform or metaverse (e.g., Decentraland).

**Cash-Out Opportunity:** Prices typically surge post-announcement, offering exit opportunities.

## 13. DAO Voting & Governance Events

**How It Works:** Governance tokens gain value when holders can vote on key project decisions.

**Cash-Out Opportunity:** Sell governance tokens after high-profile votes or major protocol upgrades.

# Common Vesting Structures

## 1. Cliff Vesting (Lock-Up Period)

- No tokens are released for 3–12 months after the ICO.
- Example: A 6-month cliff means you can't sell anything for 6 months.

## 2. Linear Vesting

- Tokens unlock gradually over time (e.g., 10% per month for 10 months).
- It prevents sudden dumps but allows partial cash-outs.

## 3. Hybrid Vesting (Cliff + Linear)

- Example: 10% unlocked at TGE (Token Generation Event), then 5% per month.
- Investors can sell small amounts early but must wait for full access.

# Limitations

The valuation of cryptocurrencies and tokenized economies face several limitations due to the lack of historical data, market volatility, and evolving regulatory frameworks. Unlike traditional financial markets, which have centuries of valuation models, cryptocurrencies are still in their infancy, making long-term projections speculative. There is limited academic research on tokenomics, and existing models rely on assumptions rather than empirical data. Market fluctuations, liquidity constraints, and adoption risks further contribute to the uncertainty in token pricing and sustainability.

Cryptocurrencies are also subject to technological disruptions, security vulnerabilities, and scalability concerns, all of which can affect their price and usability over time. Regulatory policies continue to evolve, influencing market access, taxation, and token utility, often creating uncertainty for investors and developers. Given these challenges, financial projections should be treated as strategic targets rather than definitive predictions, ensuring flexibility and adaptability in response to changing market conditions.

# Conclusion

Throughout this document, we have outlined the setup, assumptions, and calculations behind the SimpliTaught (TAWT Coin utility token economy. The valuation framework presented is based on widely accepted methodologies within the cryptocurrency community, including the Quantity Theory of Money (QTM) and staking-based token supply models, ensuring a structured and data-driven approach to token circulation and price estimation.

The TAWT Coin token economy is designed with sustainable tokenomics, leveraging platform engagement, staking incentives, and a self-balancing reward pool mechanism to create long-term value. Despite inherent market uncertainties and evolving regulatory landscapes, the ST token model is built on strong economic principles that allow for adaptability and scalability as the ecosystem grows.

Based on these projections and strategic implementation, we believe ST has the potential to establish a robust token economy, supporting a thriving educational platform while ensuring stable market growth and long-term value creation for stakeholders.