



Bloomshares - Equitichain

WHITEPAPER

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BLOOMSHARES-EQUITICHAIN ECOSYSTEM

1.0.0.0.0. EXECUTIVE SUMMARY

Our mission at Equitichain is to democratize access to financial instruments by providing a secure and transparent platform for tokenization, passive income and global equity trading. We envision a future where individuals and organizations can easily tokenize and trade assets, access global markets, and conduct cross-border transactions efficiently and cost-effectively.

By addressing several global business and financial problems through innovative products and groundbreaking technology, the Equitichain ecosystem empowers businesses, enhances transparency, promotes financial inclusion, and fosters economic growth on a global scale.

The Equitichain ecosystem, with its key products including ***Equitichain token (on the new EQT20 blockchain network), Equibond, Equitax, Equifin, Bloomshares, USDSHARES, Bloompay WooCommerce Payment Gateway and Equitichain Stock Tokenization/Exchange***, is poised to revolutionize the global business landscape by deploying the power of decentralized web3 blockchain technology. These innovative solutions bring transparency, efficiency, and new opportunities for businesses and investors worldwide.

- **Mission Statement**

The mission of the Equitichain ecosystem is to transform and innovate global business practices using the power of blockchain technology. We are committed to providing secure, transparent, and efficient solutions that empower individuals and businesses to conduct transactions, access financial services, and engage in cross-border activities with ease and confidence.

- **Vision Statement**

Our vision is to create a world where trust, efficiency, and inclusivity drive economic growth and prosperity. Through the Equitichain ecosystem, we envision a future where businesses can seamlessly issue performance bonds, tokenize assets, conduct cross-border transactions, and access financial services in a decentralized and borderless environment. We strive to be at the forefront of the blockchain revolution, empowering individuals and organizations to experience the benefits of a transparent, secure, and efficient global business landscape.



1.0.0.0.1. INTRODUCTION TO THE ECOSYSTEM

Bloomshares - Equitichain ecosystem (Equitichain) is a revolutionary platform aiming to transform and innovate global business practices. With a mission to provide secure, transparent, and efficient solutions, Equitichain offers a suite of products that are set to reshape the way businesses operate. Key products within the Equitichain ecosystem include:

- **USDSHARES Stablecoin/Stabletoken**
- **Equitichain Token Standard (EQT20) Decentralized Web3 Blockchain**
- **Equitichain Token (EQT)**
- **Equitax**
- **Equibond**
- **Bloomshares P2P Services**
- **Equitichain stock tokenization & Exchange**
- **Bloompay WooCommerce Payment Gateway**

The Bloomshares-Equitichain Whitepaper presents an innovative blockchain ecosystem - *Equitichain* designed to transform traditional equity markets and international trade. Built on the principles of decentralization and transparency, Bloomshares-Equitichain provides a secure and efficient platform for Peer-to-Peer payments, tokenizing and trading equity assets. With a focus on democratizing access to investments and reducing frictions in the traditional market, Bloomshares-Equitichain aims to disrupt the existing financial paradigm and pave the way for a more inclusive and efficient global economy.

Bloomshares-Equitichain project and ecosystem aims to provide secure, transparent, and efficient solutions for various financial transactions and asset management.

The ecosystem offers a range of key features, including a robust tokenization infrastructure, smart contract functionality, and decentralized applications (DApps) deployment. These features empower individuals and institutions to participate in the stock market globally, execute cross-border trade, opening up investment opportunities and encouraging financial inclusion.

1.0.0.0.1.1. OVERVIEW OF THE BLOOMSHARES-EQUITICHAIN ECOSYSTEM

Equitichain is a blockchain-based platform that leverages distributed ledger technology to streamline business processes and enhance trust and transparency in the global marketplace. Through the use of algorithmic smart contracts and decentralized protocols, Equitichain seeks to revolutionize how global and local businesses interact, exchange value, and collaborate across borders through the use of its blockchain innovative products.

- **USDSHARES Stablecoin/Stabletoken:** USDSHARES is a stablecoin designed to retain liquidity value and facilitate seamless transactions within the Equitichain ecosystem. It is the default currency of the Equitichain ecosystem and the value is an API and algorithmically controlled asset pegged to react upwardly in value to the value of major cryptocurrencies such as Bitcoin, Binance coin, Cryptoshares and Ethereum etc without ever decreasing in value providing stability and enabling businesses to transact with ease across borders. USDSHARES ensures efficient and cost-effective cross-border payments, reducing the dependence on traditional banking channels.
- **Equitax:** Equitax is a transformative product offered by Equitichain, focusing on the assessment, collection, and remittance of cross-border taxes to governments. With the utilization of smart contracts on the Equitichain blockchain network, Equitax tokenizes tax obligations, ensuring real-time visibility and transparency throughout the process. This enables more accurate and efficient tax assessment and eliminates the potential for fraud or manipulation.
- **Bloomshares P2P services:** Bloomshares is an innovative peer-to-peer service within the Equitichain ecosystem. It allows individuals and businesses to engage in direct trading of assets, such as stocks and bonds, without the need for intermediaries. Through Bloomshares, users can access a global network of buyers and sellers, facilitating efficient and transparent asset transactions.
- **Equibond:** Equibond is a groundbreaking product within the Equitichain ecosystem that enables the issuance of financial performance bonds between two contracting parties. By utilizing smart contracts on the Equitichain blockchain network, Equibond provides a secure and efficient way to create, manage,

and execute performance bonds. This innovation reduces the need for traditional intermediaries, streamlines processes, and enhances trust and accountability in contractual relationships.

- **Equitichain Stock Tokenization and Exchange:** Equitichain Stock Tokenization is a comprehensive solution that allows businesses to tokenize their stock holdings. By digitizing shares on the Equitichain blockchain network, companies can unlock liquidity, broaden their investor base, and simplify the process of buying and selling securities. This innovation democratizes access to investments, fosters global capital flow, and enhances market efficiency.
- **Bloompay WooCommerce Payment Gateway:** The Bloompay WooCommerce Payment plugin is a payment solution that enables businesses using the popular WooCommerce platform to accept payments in various Equitichain cryptocurrencies and assets seamlessly. By integrating with Equitichain's blockchain network, Bloompay provides businesses with secure and efficient cryptocurrency payment processing, expanding their customer base and increasing financial flexibility.

1.0.0.0.1.2. KEY ASPECTS ASSOCIATED WITH BLOOMSHARES-EQUITICHAIN INCLUDE

- **Tokenization:**
Bloomshares-Equitichain facilitates the tokenization of assets, enabling the representation of real-world assets, such as stocks, equities, shares, bonds, and commodities, as digital tokens on the decentralized blockchain. This innovative tokenization process enhances accessibility and liquidity while reducing costs and intermediaries.
- **Peer-to-Peer Trading:**
The Bloomshares-Equitichain ecosystem facilitates peer-to-peer trading of its native token, B2B eCommerce, in-country trade, cross-border trade and tokenized assets, allowing individuals and corporate entities to trade directly with each other without relying on traditional intermediaries such as banks or brokers. This potentially enhance efficiency, reduce transaction fees, and increase global market accessibility.
- **Decentralized Governance:**
Bloomshares-Equitichain incorporates decentralized governance mechanisms, allowing token holders to participate in decision-making processes and contribute to the development and evolution of the ecosystem. This democratic approach aims to ensure transparency and community-driven decision-making.
- **Security and Transparency:**
By utilizing its unique decentralized blockchain technology, Bloomshares-Equitichain enhances security and transparency in financial transactions. The immutable and distributed nature of the blockchain provides a tamper-proof record of all transactions and ensures that the information is transparently available to all participants.
- **Interoperability:**
Bloomshares-Equitichain decentralized network aims to be compatible with existing blockchain networks and protocols, enabling seamless interoperability with other blockchain-based projects and ecosystems. This interoperability promotes collaboration and expands the potential applications and usability of the Bloomshares-Equitichain platform.

2.0.0.0.0. PROBLEMS AND EQUITICHAIN SOLUTIONS

The Equitichain ecosystem aims to address several key problems in the global business landscape. Here are the problems and the solutions provided by Equitichain innovative technology:

- **Lack of Transparency**
The current business environment often lacks transparency, leading to trust issues and inefficiencies. **Equitichain solves this problem** by providing a transparent and immutable blockchain platform where all transactions are recorded and visible to all participants. Equitax, Equibond, Bloomshares, USDSHARES, Bloompay and Equitichain stock tokenization leverage this transparency to ensure clarity in financial transactions, cross-border tax processes, investment opportunities, and asset tokenization.
- **Inefficient Cross-Border Taxation**
Cross-border tax collection and remittance is often complicated and time-consuming, resulting in inefficiencies and delays. **Equitax solves and revolutionizes this process** by tokenizing the assessment, collection, and remittance of cross-border taxes using smart contracts on the Equitichain blockchain network. This solution simplifies tax procedures, reduces administrative burden, and enhances transparency, ensuring efficient tax compliance.
- **Limited Access to Investment Opportunities**
Many businesses and individuals face limited access to investment opportunities, especially in emerging markets. **Equibond provides an innovative solution** by enabling the issuance of financial performance bonds between two contracting parties using smart contracts. This opens up new investment avenues, promotes business growth, mutual trust in business, financial indemnity and enhances financial inclusion on a global scale.
- **Lack of Liquidity and Market Stability**
Traditional markets often struggle with liquidity shortages and market instability, hampering economic growth and commerce. Bloomshares and USDSHARES address this by providing liquidity reserves and stability mechanisms within the Equitichain ecosystem. Bloomshares offer peer-to-peer services, empowering users to trade digital assets easily. USDSHARES, a stablecoin, provides stability and facilitates seamless transactions across the Equitichain ecosystem and beyond.
- **Inaccessibility of Stock Tokenization**
Tokenizing assets like stocks has been a complex and inaccessible process for many businesses. Equitichain's stock tokenization solution simplifies this process by leveraging smart contracts and blockchain technology. It allows businesses to tokenize their stocks, giving investors greater accessibility, fractional ownership, and increased liquidity in the secondary market.

3.0.0.0.0. ECOSYSTEM ASSETS

The Equitichain ecosystem consist of 3 distinct interoperable blockchain assets and premium partners as highlighted below :

3.0.0.0.0.1. USDSHARES (USDS) STABLE-TOKEN :

A decentralized non-volatile non-collateralized API algorithmic controlled stabletoken of the Bloomshares-Equitichain ecosystem existing on 4 networks of ERC20, BEP20, POLYGON and TRC20.

3.0.0.0.0.2. USDSHARES (USDS) TOKEN SPECIFICATION:

- **TOKEN NAME:** USDSHARES
- **TOKEN TICKER:** USDS
- **TOKEN SMART CONTRACT BUSINESS LOGIC:** STABLETOKEN / STABLECOIN
- **SUPPLY TYPE :** FIXED
- **Total Supply :** 50M
- **Initial Release :** 10M
- **Locked Amount :** 40M
- **Periodic Releases:** 1M every year

3.0.0.0.0.3. SMART CONTRACTS :

- **USDSHARES BEP20 NETWORK SMART CONTRACT :**
0x83e6b68028D3F25631B2e60f7023de201c1FE996
- **USDSHARES ERC20 NETWORK SMART CONTRACT :**
0x83e6b68028D3F25631B2e60f7023de201c1FE996
- **USDSHARES POLYGON NETWORK SMART CONTRACT :**
0x0f7961F3866c87b6093BE5498182F2092769F731
- **USDSHARES TRC20 NETWORK SMART CONTRACT :**
TPmrRpauW2HgSJDu1vCFTexkQWGkRguWfx

3.0.0.0.0.4. TOKEN AND COIN'S USECASE ECONOMY:

- **USDSHARES** aims to provide for the global trading community a digital asset whose value will remain stable and/or increase in reaction to changes in global prices of **SHARES, BTC, BNB, TRON, and MATIC**. This reactionary mechanism is controlled and managed by the USDSHARES unique API algorithmic smart contract configured to react and increase the value of USDSHARES by specific margins whenever there is a fall in cryptoshares and the above mainstream cryptocurrency prices. With its emphasis on value retention, stability and transparency, USDSHARES as a case in point aims to revolutionize the way individuals, businesses and governments engage with digital assets in a reliable and efficient manner.

This whitepaper unveils USDSHARES as revolutionary a unique stabletoken of the Equitichain ecosystem specifically tailored for use in the following global business sectors:

- **STOCK TOKENIZATION**
- **STORE OF VALUE**
- **LIQUIDITY RETENTION**
- **ECOMMERCE RECEIPTS**
- **IMPORTS AND EXPORTS TRANSACTIONS**
- **P2P AND B2B LOCAL AND CROSS-BORDER PAYMENTS**
- **BUSINESS PERFORMANCE BOND ISSUANCE**
- **GENERAL TAX/VAT ASSESSMENT AND COLLECTIONS**
- **IMPORT DUTIES ASSESSMENTS AND COLLECTIONS**

4.0.0.0.0. USDSHARES (USDS)

- **ALGORITHM & STABILITY MECHANISM** : USDSHARES is a revolutionary price collateralized, algorithmic stablecoin/stabletoken that utilizes a unique tokenomics model to maintain its stability and retain liquidity. By reacting upwardly to every 1% fall in the global prices of SHARES, BTC, BNB, ETH, TRON, and MATIC, USDSHARES aims to provide stability and non-volatility in the ever-changing cryptocurrency market.
- **USDSHARES** utilizes a value collateralization and API algorithmic mechanism to maintain its price stability. The tokenomics of USDSHARES are designed to ensure that the USDS price reacts upwardly to every 1% fall in the global prices of *SHARES, BTC, BNB, ETH, TRON, MATIC* and to every 10% changes in USDS market demands/supply.
- **Collateralization and Non-Collateralization**
USDSHARES is a hybrid stablecoin/stabletoken that combines elements of both collateralized and non-collateralized stablecoins. While it is not directly backed by a specific collateral asset, it utilizes a collateralization mechanism to maintain its stability. This mechanism involves the use of smart contracts and algorithms to adjust the market price of USDSHARES based on the global changes in its demands, supply, changes in the global prices of *SHARES, BTC, BNB, ETH, TRON, and MATIC*.
- **Algorithmic Stability**
The algorithmic stability of USDSHARES ensures that its price reacts upwardly to every 1% fall in the global prices of the aforementioned cryptocurrencies or upwardly by 5% to every 10% changes in USDS demands or supply. This means that as the prices of these cryptocurrencies decrease, the market price of USDSHARES will be adjusted to increase, thereby driving up its value. This mechanism aims to provide stability and protect the value of USDSHARES during periods of market downturns.
- **Smart Contract Implementation**
The stability mechanism of USDSHARES is implemented through a reactionary algorithmic smart contracts. These smart contracts monitor the USDS demands, supply and prices of SHARES, BTC, BNB, ETH, TRON, and MATIC in real-time and automatically adjust upwardly the price of USDSHARES accordingly. This ensures that the USDSHARES price remains pegged to the global changes in value of the underlying cryptocurrencies while also reacting to market conditions to maintain stability.
- **API Reactionary Algorithm**
USDSHARES utilizes an API reactionary algorithm to determine the appropriate adjustments to its real-time market price based on the changes in the global prices of Cryptoshares, BTC, BNB, ETH, TRON, and MATIC. This algorithm takes into account various factors, such as the magnitude and duration of the price changes, to calculate the necessary price adjustments. By reacting to market conditions in real-time, USDSHARES aims to provide a stable and reliable store of value for its users.
- **Non-Volatility**
One of the key objectives of USDSHARES is to maintain non-volatility and a secure continuous appreciating value, especially during periods of market turbulence. The price reaction mechanism ensures that the USDS' price remains relatively stable even in the face of significant price fluctuations in the underlying cryptocurrencies. This non-volatility feature makes USDSHARES an attractive option for users who seek stability and predictability in their digital assets.

4.0.0.0.1. USDSHARES (USDS) TOKENOMICS :

➤ USDSHARES TOKEN DISTRIBUTION AND SUPPLY :

Below are the planned and scheduled token distribution from the launch year 2022 to the final release year 2063.

FIG. 1.0

USDS TOKENOMICS - ISSUED TOKEN DISTRIBUTION 2022-2023

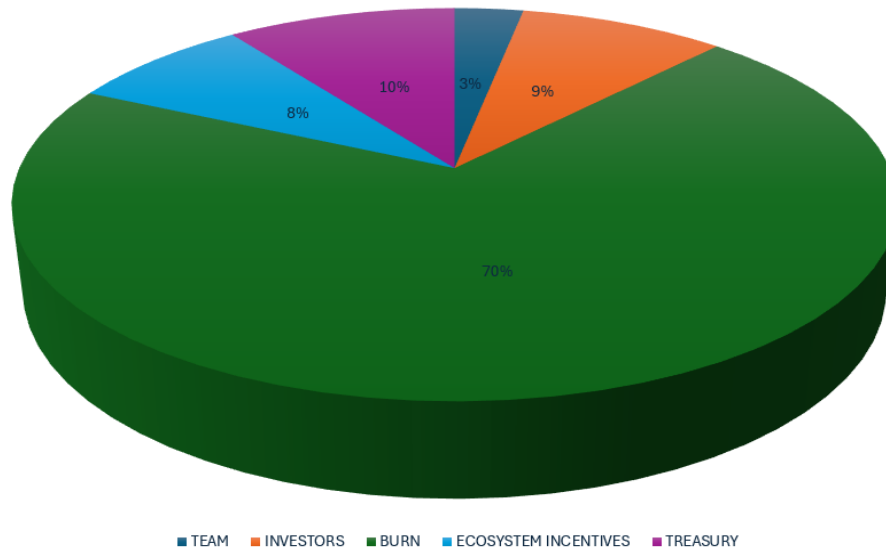
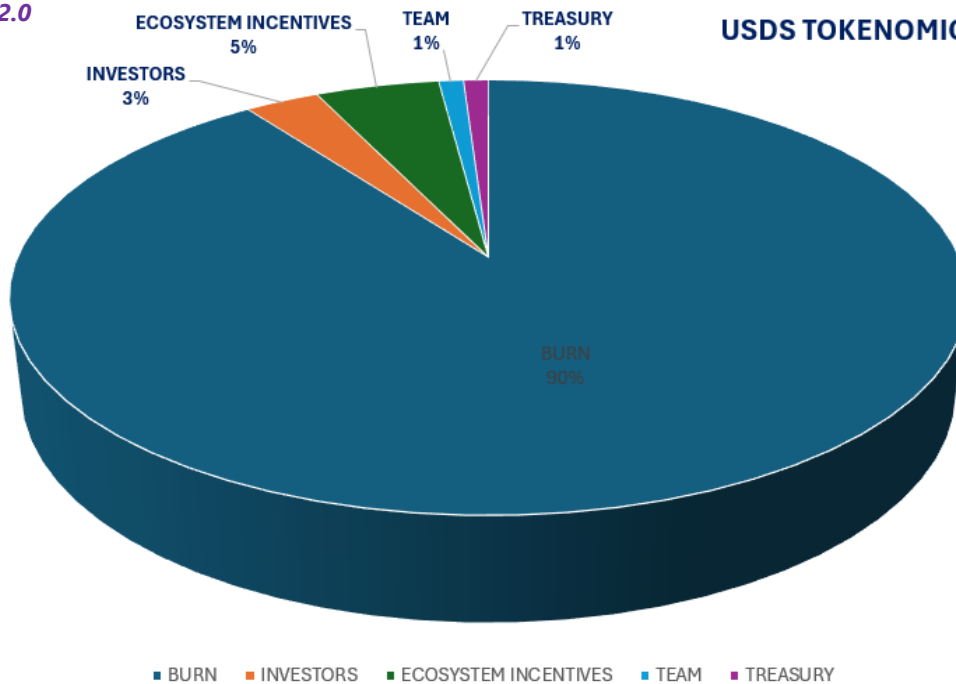


FIG. 2.0

USDS TOKENOMICS 2023-2063

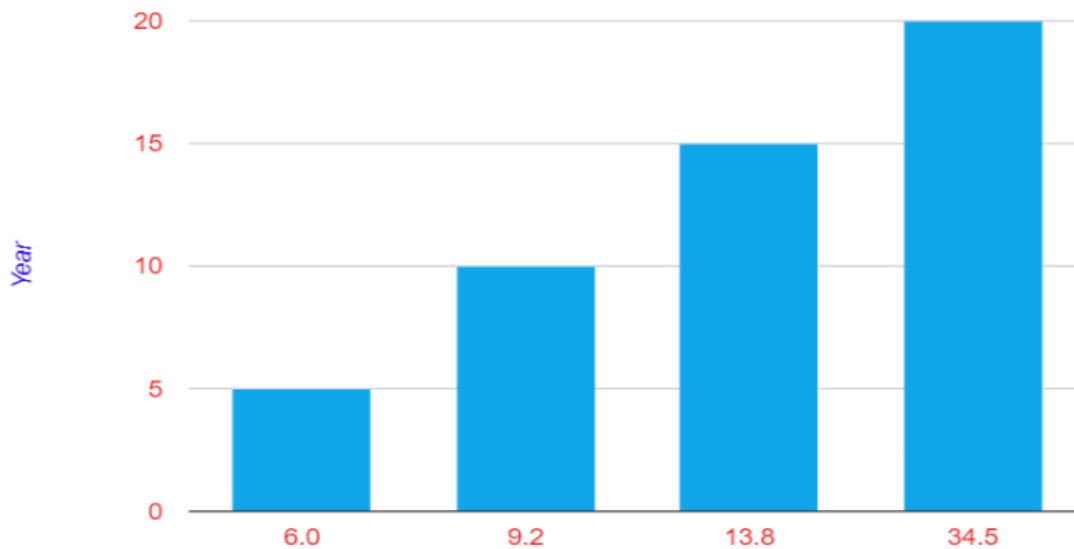


4.0.0.0.2. USDSHARES (USDS) TOKENOMICS

➤ PROJECTED MARKET CAP - 20 YEARS :

This whitepaper projects a \$117,000,000,000 market capitalization for USDS in the first 20 years period. This is broken down into four 5-year range periods to cover the 20-year projected timeline.

FIG. 3.0
USDSHARES (USDS) - PROJECTED GLOBAL ADOPTION



- **In the first 5 years (1st - 5th year):**

Starting with a market cap of \$4.5 billion and assuming a constant rate of geometric growth, we calculate the growth rate per year. Assuming an equal growth rate each year, the annual growth rate is approximately 39.89% for the first 5-year period.

If the user base grows by 10 million users, the average annual user growth rate over this period would be 2 million users per year.

- **In the second 5 years (6th - 10th year):**

Starting with a market cap of approximately **$\$4.5 \text{ billion} * (1 + 0.3989)^5 = \29.37 billion** , we calculate the annual growth rate for this period. Assuming equal growth each year, the annual growth rate is approximately **21.06%**.

Considering the user base growth rate of 2 million users per year, the total user base after the second 5-year period would be **10 million + (2 million * 5) = 20 million users**.

- **In the third 5 years (11th - 15th year):**

Starting with a market cap of **$\$29.37 \text{ billion} * (1 + 0.2106)^5 = \81.96 billion** , the annual growth rate for this period would be approximately 9.52%.

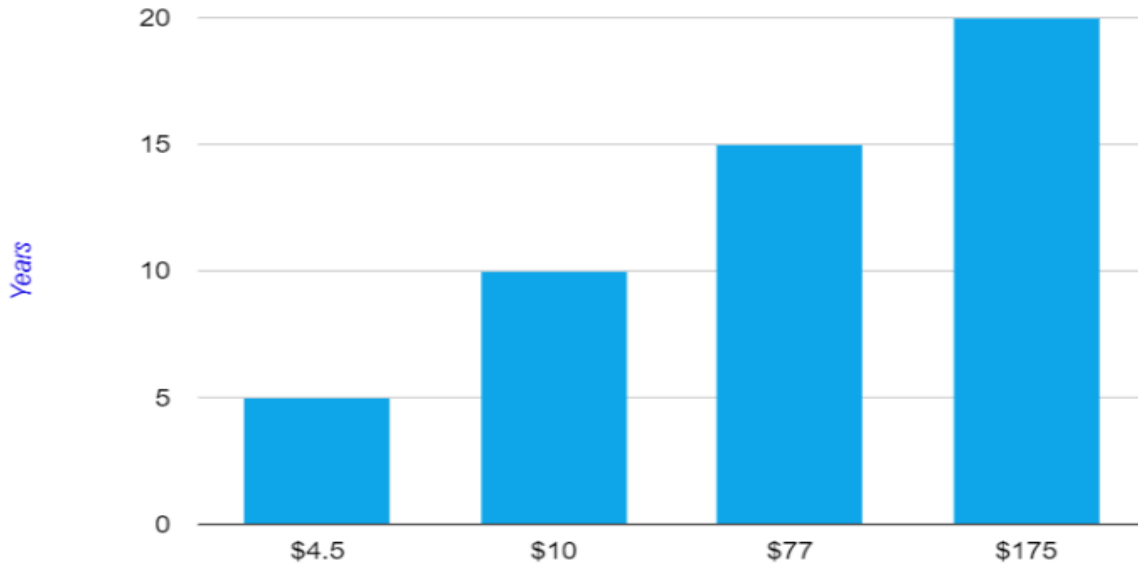
The user base would grow by 2 million users per year, resulting in a total of 20 million + (2 million * 5) = 30 million users.

- **In the final 5 years (16th - 20th year):**

Starting with a market cap of **$\$81.96 \text{ billion} * (1 + 0.0952)^5 = \117.89 billion** , the annual growth rate would be approximately 5.56%.

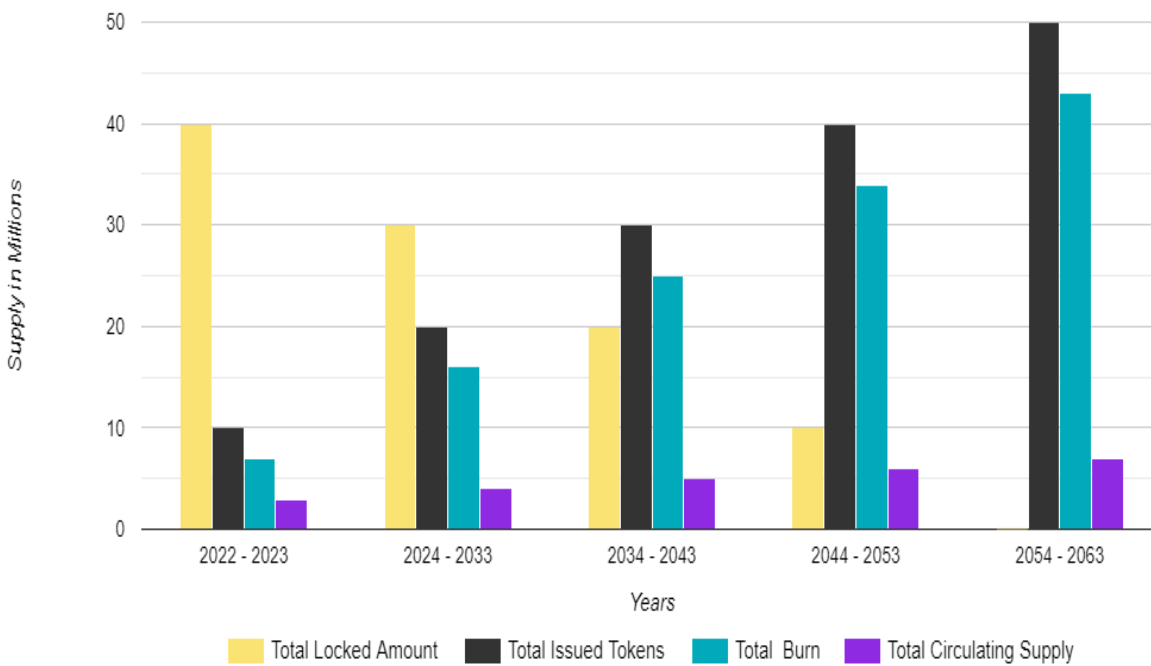
The user base would continue growing by 2 million users per year, resulting in a total of 30 million + (2 million * 5) = 40 million users.

FIG. 4.0
USDSHARES (USDS) TOKENOMICS - PROJECTED MARKET CAP



Therefore, at the end of the 20-year period, the estimated market cap of USDS would be approximately \$117.89 billion * (1 + 0.0556)⁵ = \$174.29 billion, which is close to the target of \$175 billion. Please note that this analysis is based on several assumptions and simplified calculations. Market conditions, competition, regulatory factors, and various other external influences could significantly impact the actual outcome. Therefore, it is important to consider these figures as estimates and subject to change.

FIG. 5.0
USDSHARES TOKEN SUPPLY CHART (MAXIMUM SUPPLY = 50MILLION) PER NETWORK



4.0.0.0.3. USDSHARES SMART CONTRACT ALGORITHM NON-VOLATILE STABLETOKEN API SMART CONTRACT REACTIONARY ALGORITHM :

This section explains the USDSHARES non-volatile reactionary API smart contract algorithm that maintains and controls the increasing price of the **USDSHARES non-volatile stabletoken**.

The USDS smart contract reactionary API algorithm increases the price of USDSHARES by a factor of 999999 in reaction to USDS demands , global changes in the price of main stream cryptocurrencies and price of Cryptoshares. Specifically, the reactionary smart contract API algorithm will trigger an increase in the price of USDSHARES in reaction to 1% changes in the prices of global rates of **Bitcoin, BNB, Tron, Matic, and SHARES cryptocurrencies**. The reactionary API algorithm will also ensure that the price of USDSHARES increases by 5% for every 10% increase in demand based on the total USDSHARES tokens in circulation. Importantly, the algorithm will never decrease the price of USDSHARES even if there are no changes in the dependent factors. Visit the Bloomshares project repository to read more about the USDSHARES price stability [API Algorithmic reactionary Smart Contract](#).

4.0.0.0.3.1. ANALYSIS of USDSHARES API SMART CONTRACT REACTIONARY ALGORITHM:

There are two smart contract algorithms developed for the USDS price determination and stability mechanism namely :

1. Pragma Solidity USDS Reactionary API Smart Contract Algorithm code.
2. Ruby class USDS Reactionary API Smart Contract Algorithm code.

Trading Exchanges and commercial platforms can easily integrate USDS by selecting any of the aforementioned API Smart Contracts that they deem appropriate or compatible for their own platforms.

Explanation of these two API based smart contract algorithms are as provided below in **4.0.0.0.3.1.a. & 4.0.0.0.3.1.b.** for easier understanding.

4.0.0.0.3.1.a. Pragma Solidity USDS Reactionary API Smart Contract Algorithm code

Explanation :

The USDS API smart contract solidity code implements reactionary algorithm for adjusting the price of USDS in reaction to the targeted cryptocurrencies. The contract includes variables to store the prices of different cryptocurrencies such as USDSHARES, CRYPTOSHARES, BITCOIN, BNB, MATIC, and TRON.

The contract has two main functions:

reactToSupplyDemand and *reactToMarketPriceChange*.

- *reactToSupplyDemand*

```
function reactToSupplyDemand(uint256 supplyChange, uint256 demandChange) external {
    if (supplyChange >= 10 || demandChange >= 10) {
        USDSHARESPrice = USDSHARESPrice * 105 / 100; // Increase USDSHARES price by 5%
    }
}
```

The *reactToSupplyDemand* function is called to react to changes in supply and demand. It takes two parameters: *supplyChange* and *demandChange*

which represent the percentage change in supply and demand, respectively.

If either *supplyChange* or *demandChange* is greater than or equal to 10, the price of USDSHARES is increased by 5%. This is done by:

multiplying the current price (*USDSHARESPrice*) by 105 and dividing it by 100.

- *reactToMarketPriceChange*

```
function reactToMarketPriceChange(
    uint256 cryptoSharesPriceChange,
    uint256 bitcoinPriceChange,
```

```

uint256 bnbPriceChange,
uint256 maticPriceChange,
uint256 tronPriceChange
) external {
    if (
        cryptoSharesPriceChange < 0 ||
        bitcoinPriceChange < 0 ||
        bnbPriceChange < 0 ||
        maticPriceChange < 0 ||
        tronPriceChange < 0
    ){
        USDSHARESPrice = USDSHARESPrice + 100000; // Increase USDSHARES price by $100000
    }
}

```

The *reactToMarketPriceChange* function is called to react to changes in the market prices of cryptocurrencies. It takes six parameters: *cryptoSharesPriceChange*, *bitcoinPriceChange*, *bnbPriceChange*, *maticPriceChange*, and *tronPriceChange*, which represent the percentage change in the prices of the respective cryptocurrencies.

If any of the price changes is less than 0 (indicating a decrease in price), the price of USDSHARES is increased by \$100,000.

4.0.0.0.3.1.b. Ruby class USDS Reactionary API Smart Contract Algorithm code Explanation :

This code structure methods were implemented in the Ruby code version of the USDS reactionary smart contract made available on the project repository and are explained as follows:

- *initialize*: This is a special method in Ruby that is automatically called when a new instance of a class is created. In this case, the initialize method sets the initial values for the *price*, *supply*, and *demand* attributes of the USDSHARES class.
- *update_price*: This method updates the price of the USDSHARES cryptocurrency based on the global rates of other cryptocurrencies. It takes a *global_rates* parameter, which is a hash containing the rates of different targeted cryptocurrencies. The method calculates the price change based on the rates and updates the price attribute accordingly.
- *calculate_price_change*: This method calculates the total price change based on the rates of different cryptocurrencies. It takes a variable number of arguments (**prices*) representing the rates of different cryptocurrencies. The method iterates over the arguments and calculates the price change for each non-nil argument. It then multiplies the total price change by 999999 and returns the result.
- *update_demand*: This method updates the demand of the USDSHARES cryptocurrency based on the total tokens. It takes a *total_tokens* parameter, which represents the total number of tokens. The method calculates the demand change based on the total tokens and updates the demand and price attributes accordingly.

NB: Please check the [Bloomshares github repository](#) for further code details on the Ruby class.

5.0.0.0.0. CRYPTOSHARES (SHARES) COIN

Cryptoshares is a native cryptocurrency coin within the Equitichain ecosystem that incorporates both a Proof of Stake (PoS) and Masternode consensus mechanism. Additionally, it also integrates the SHIELD Sapling privacy feature. Cryptoshares (PoS and Masternode) with the SHIELD (Sapling) privacy feature provides a secure, scalable, and privacy-focused solution within the Equitichain ecosystem. It combines the benefits of PoS for efficient transaction confirmations with Masternodes for enhanced functionality, governance, and privacy.

Here is a detailed specification and analysis of Cryptoshares (PoS and Masternode) coin with the SHIELD Sapling privacy feature:

5.0.0.0.1. SHARES SPECIFICATION:

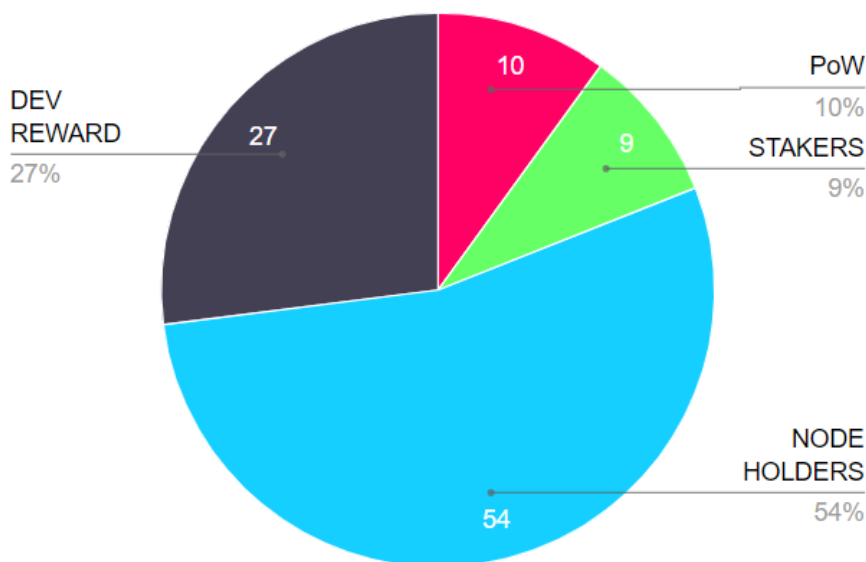
- Coin Name : **Cryptoshares**
- Ticker : **SHARES**
- Hashing Algorithm : **Proof-of-Stake(PoS)**
- Coin Type : **PoS + Masternode**
- Maximum Supply : **20,000,000**
- Minimum Staking age : **30minutes**
- Maturity : **60 Blocks**
- Block Time : **60 seconds**
- Coin Address Prefix : **B**
- P2P Port / RPC Port : **23190 / 23191**

5.0.0.0.2. SHARES TOTAL SUPPLY DISTRIBUTION CHART :

SHARES total coins that will ever be created with a total supply of 20,000,000 coins and are allocated according to the following percentages that are hardcoded in the codebase:

FIG. 6.0

CRYPTOSHARES LIFETIME BLOCK REWARD DISTRIBUTION



5.0.0.0.3. SHARES Proof-of-Stake (PoS):

SHARES Proof-of-Stake is a consensus mechanism where participants validate transactions and create new blocks based on the number of coins they hold and "stake" in the SHARES network. In the Cryptoshares PoS network there are the following :

- **SHARES Validators:** These are participants who hold and lock a certain amount of Cryptoshares and anyone can become validator. They are selected to validate transactions and create new blocks based on their **staking power** - This is the amount of coins held and staking in the participants wallet.

- **SHARES PoS Probability of Selection:** The probability of being chosen as a validator is proportional to the number of Cryptoshares held and staked by the participant. The more SHARES staked, the higher the chance of being selected and able to stake a cryptoshares block.
- **Block Validation:** Cryptoshares validators verify and validate transactions to create new blocks on the cryptoshares chain. They are incentivized by earning transaction fees and newly minted cryptoshares coins as a reward for their participation in block creation.
- **Security and Attacks:** PoS consensus is designed to deter malicious actions by requiring validators to hold a significant stake in the network. The fear of losing their stake acts as a deterrent against dishonest behavior.

5.0.0.0.4. SHARES Masternodes Logic:

Masternodes are additional nodes in the Cryptoshares network that perform specific functions beyond transaction validation. In the Cryptoshares network, participants can operate Masternodes by locking a specified amount of Cryptoshares as collateral. Masternodes perform vital functions such as facilitating, secure and instant transactions, enabling privacy features, and participating in governance. Key aspects of Cryptoshares Masternodes logic include:

- **Enhanced Services:** Masternodes provide additional network services such as instant transactions, privacy features, and governance functionalities.
- **Collateral Requirement:** To run a Masternode, participants must hold and lock a specific amount of Cryptoshares as collateral. This requirement helps ensure the seriousness and commitment of the node operator.
- **Incentives:** Masternode operators receive a portion of the block rewards generated by the network. This incentivizes them to maintain their nodes properly and contribute to the network's stability and performance.

5.0.0.0.5. SHARES SHIELD (Sapling) Privacy:

Cryptoshares incorporates the SHIELD (Sapling) privacy protocol, ensuring enhanced privacy, security and confidentiality for transactions. This feature leverages zero-knowledge proofs, allowing users to shield transaction amounts and recipient addresses, thus preserving anonymity on the blockchain.

5.0.0.0.6. Transaction Speed and Scalability:

With the combination of PoS and Masternodes, Cryptoshares offers faster transaction confirmations and increased scalability compared to traditional blockchain networks. Masternodes enable instant pay functionality, allowing for swift and efficient transactions.

5.0.0.0.7. Cryptoshares Consensus Security:

The utilization of PoS and Masternode consensus mechanisms provides a high level of security for the Cryptoshares network. PoS helps to deter attacks as attackers would need to acquire a significant amount of Cryptoshares to manipulate the network. Masternodes add an additional layer of security by ensuring the integrity and validity of transactions.

5.0.0.0.8. Cryptoshares Community and Adoption:

Cryptoshares aims to foster a vibrant community around its ecosystem, encouraging participation from various stakeholders. This includes developers, investors, merchants, and general users. The integration of privacy features like SHIELD (Sapling) enhances user confidence and encourages widespread adoption of Cryptoshares within the Equitichain ecosystem.

5.0.0.0.9. CRYPTOSHARES COIN DISTRIBUTION:

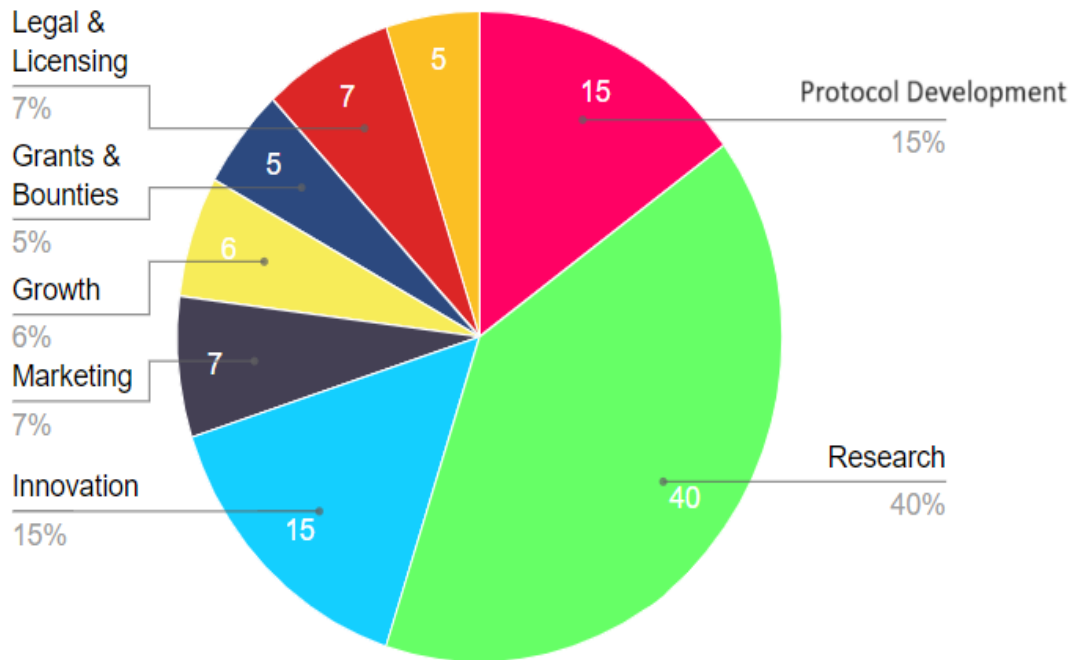
Managing and distributing dev team funds for Cryptoshares coin would be done in a transparent, efficient, and responsible manner.

- **Allocation:** A total of 5,400,000 coins have been determined as the lifetime generated allocation of dev team funds representing 27% percentage of the 20,000,000 total coin supply. This 5,400,000 SHARES coins for the dev team are generated over a 68.7 years making it a net of 78,603 coins per year.

- Vesting Schedule: The team process 19650 SHARES of dev funds every quarter in any given year to ensure responsible fund distribution. See the dev funds distribution chart below.
- Fund Application: SHARES Dev team funds are primarily allocated for **Protocol development, Research, Innovation, Marketing, Project growth support, Legal & Licensing, Community grants and Bounties, Marketing, and Partnerships.**

FIG. 7.0

SHARES Dev Team Fund Distribution



6.0.0.0.0. WRAPPED SHARES (WSHARES)

This is a tokenized version of Cryptoshares coin whose value is pegged to the value of cryptoshares. Wrapped shares, also known as **WSHARES**, is a type of digital asset that represents ownership of **Cryptoshares** asset on the **Ethereum (WSHARES-ERC20)** and **Binance Smart Chain (WSHARES-BEP20)** blockchains.

- **WRAPPEDSHARES - ERC20 (WSHARES) Smart Contract :**
0xd8a301a15a92e00a5ac7ef0b68513a78ae18d5d9
- **WRAPPED SHARES - BEP20(WSHARES) Smart Contract :**
0x709Ddc4359Bd0739ad61AC58CBBdAD331F0D610f

The process of wrapping Cryptoshares coin involves locking the original coins on the original Cryptoshares blockchain and then issuing an equivalent amount of Wrapped Shares on the target Ethereum or Binance Smart Chain blockchains. These Wrapped Shares are standardized ERC-20 or BEP-20 tokens on the Ethereum or Binance Smart Chain blockchains respectively.

The purpose of wrapping Cryptoshares coin is to enable its use and trading on different blockchain platforms that have different functionalities. For example, by wrapping Cryptoshares coin as an ERC-20 token, it becomes compatible with various decentralized exchanges and DeFi applications on the Ethereum network and same applies also when wrapping Cryptoshares coin as a BEP-20 token, it becomes compatible with various decentralized exchanges and DeFi applications on the Binance Smart Chain network.

Wrapped Shares protocols facilitate the wrapping process by acting as intermediaries and ensuring the security and legitimacy of the wrapped coins. This protocol ensure a one-to-one ratio between the original SHARES coins and Wrapped Shares, meaning that each Wrapped SHARES represents the same value as the original Cryptoshares coins.

Wrapped shares provide increased liquidity and accessibility to the Cryptoshares coin as the underlying asset as it can be traded and used on various blockchain platforms that support the wrapped shares token standards in the Ethereum and Binance Smart chain networks. Wrapped Shares also allow for cross-chain interoperability, enabling users to easily move assets between different supported blockchains.

6.0.0.0.1. WRAPPED SHARES Features and Benefits:

- **Trust and Security:** When wrapping Cryptoshares coin, the Cryptoshares coin which is the underlying asset is held securely in a smart contract, ensuring trustworthiness and mitigating the risk of loss or theft.
- **Liquidity:** Wrapped shares enhance liquidity as they can be traded on decentralized exchanges or other platforms that support the specific ERC20 or BEP20 networks. This opens up opportunities for a wider range of investors and facilitates easier trading.
- **Compatibility:** By wrapping Cryptoshares coin into a tokenized form, it becomes compatible with the decentralized finance (DeFi) ecosystem and various blockchain-based applications, including lending, borrowing, and staking platforms.
- **Accessibility:** Wrapped shares make it possible for investors to interact with traditional assets and securities through the seamless integration of blockchain technology. This accessibility extends to a broader global user base, eliminating geographical barriers.
- **Programmability:** Tokens on blockchain networks like Ethereum can code smart contracts into wrapped shares. This programmability enables the automation of certain activities, such as dividend distributions, shareholder voting, and other governance functionalities.
- **Interoperability:** Wrapped shares allow for interoperability between different blockchain networks. For instance, wrapped shares based on Ethereum or Binance Smart Chain networks can be seamlessly converted to other blockchain-compatible tokens or vice versa, increasing flexibility and utility.

7.0.0.0.0. Partnerships and Acquisitions

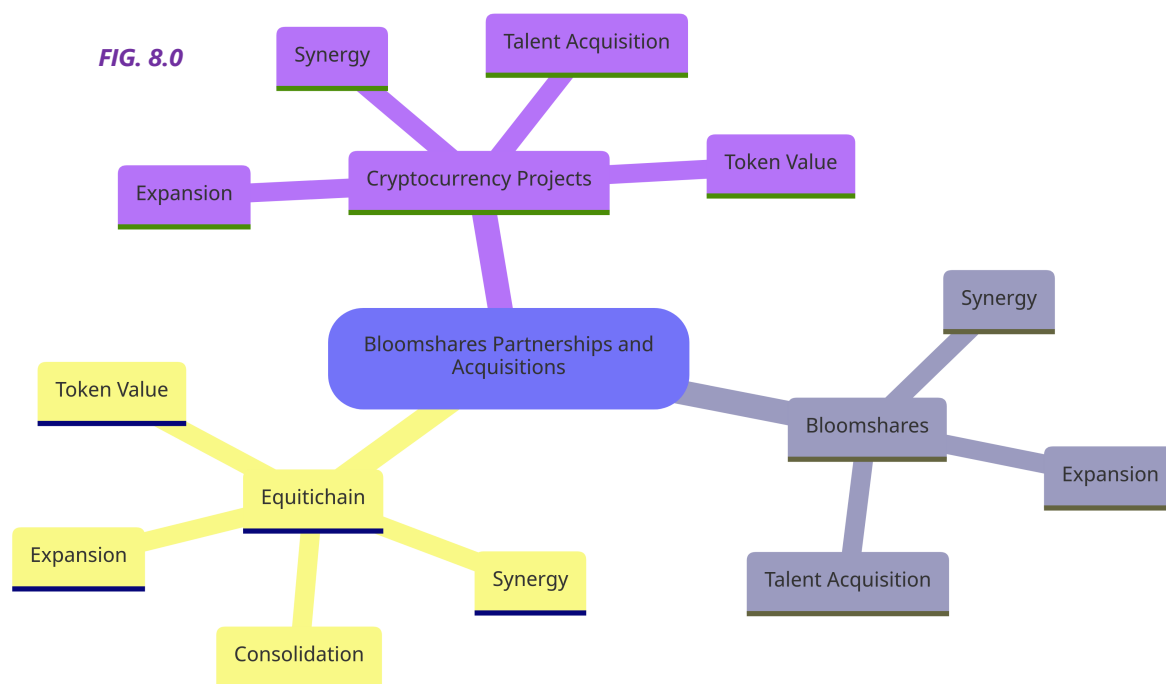
The concept of project acquisition into Bloomshares-Equitichain involves Bloomshares acquiring and integrating other cryptocurrency projects into its ecosystem.

When Equitichain's acquires a cryptocurrency project, it essentially means that the project becomes a part of Equitichain's ecosystem, with its technology, tokens, and community being integrated into the broader Equitichain network. This acquisition happens through various means, such as a merger, strategic partnership, or outright purchase.

7.0.0.0.1. The benefits of project acquisition into Equitichain include:

- **Synergy:** By acquiring other cryptocurrency or blockchain projects, Equitichain leverages its technology, userbase, and expertise to create a stronger and more diverse ecosystem. This synergy leads to enhanced capabilities, innovation, and market opportunities.
- **Expansion:** Acquiring new cryptocurrency projects or technology allows Equitichain to expand its offerings and potentially tap into new markets or user segments. This diversification can help Equitichain gain a competitive edge and attract a wider range of users.
- **Talent acquisition:** Acquiring cryptocurrency projects often involves acquiring their teams and talent. This brings in experienced individuals who can contribute to the development and growth of Equitichain, fostering innovation and strengthening the overall project.
- **Consolidation:** The acquisition of cryptocurrency projects can lead to consolidation within the industry. By integrating multiple projects under Equitichain, it becomes a centralized hub that offers a comprehensive suite of services, creating convenience and efficiency for users.
- **Token value:** When a cryptocurrency project is acquired by Equitichain, there is a potential for increased value and liquidity of the project's tokens. The integration into a larger ecosystem can attract more users, investors, and trading volume, thereby positively influencing the token's market performance.

FIG. 8.0



It's important to note that the specifics of each acquisition may vary depending on Equitichain terms and conditions, and goals of both Equitichain and the project being acquired.

8.0.0.0.0. EQUITAX APPLICATION - EQUITICHAIN USECASE

This is Equitichain Blockchain Cross-Border Tax Technology Revolutionizing Cross-Border Taxation. Equitax, built on Equitichain's blockchain technology, offers a revolutionary solution to the challenges of cross-border taxation. By leveraging tokenization, smart contracts, verification mechanisms, and cross-border compatibility, Equitax aims to transform the global tax landscape. Its features and benefits, including enhanced transparency, streamlined processes, improved compliance, and efficient cross-border taxation, make Equitax a promising innovation with the potential to reshape how taxes are assessed, collected, and remitted across borders. A 0.5% fee is charged for each tax payment handled through the Equitax app. This processing charge is determined by the amount of fiat transactions, and it is paid in USDSHARES (USDS).

8.0.0.0.1. Introduction:

The Equitax system is a transformative solution developed by Equitichain that aims to revolutionize the process of cross-border taxation through the integration of blockchain technology. This whitepaper will provide an in-depth examination of Equitax, highlighting its features and benefits, as well as the challenges it addresses.

- **The Global Challenge of Cross-Border Taxation:** Cross-border taxation presents numerous challenges for governments, businesses, and individuals around the world. The complexities arise due to variations in tax regulations, lack of transparency, difficulties in tracking and verifying transactions, and time-consuming processes. These challenges often result in inefficiencies, errors, disputes, and a loss of revenue for governments. Equitax aims to tackle these issues through the implementation of Equitichain's blockchain technology.

8.0.0.0.2. Equitax Features and Functionality:

Equitax offers a range of features and functionalities that enable seamless and transparent cross-border taxation. Some of the key elements of Equitax include:

- **Tokenization of Tax Assets:** Equitax leverages tokenization to represent tax assets on the Equitichain blockchain. Tax assets, such as assessments, liabilities, and payments, are represented as digital tokens, providing an immutable record of transactions and ensuring transparency and auditability.
- **Smart Contract Integration:** Equitax utilizes smart contracts on the Equitichain blockchain. These intelligent and self-executing contracts automate various tax-related processes, including assessment, collection, and remittance. Smart contracts eliminate the need for intermediaries, reduce human error, and enhance efficiency in the system. Illustrated below is an example code of the Equitax Smart Contract on income tax assessment and collection:
- **Verification and Authentication:** Equitax incorporates robust verification and authentication mechanisms for tax-related transactions. The blockchain technology ensures that transactions are recorded in a tamper-proof and transparent manner, reducing the potential for fraud and improving overall compliance.
- **Cross-Border Compatibility & Real Life Scenario:** Equitax is designed to be compatible with different tax jurisdictions globally. It can adapt to the unique tax regulations and requirements of various countries, facilitating seamless cross-border transactions and enabling efficient tax collection and remittance.

8.0.0.0.3. How Equitax Works in a Real Life Scenario :

In this example we aim to use Equitax to streamline cross-border taxation processes between two business transactions in the United States of America (USA) and the United Kingdom (UK). By leveraging the power of Equitichain blockchain technology, Equitax provides a secure and transparent platform for tax calculations, assessments, collection, and remittance.

8.0.0.0.4. Equitax - Real-life Scenario Example:

Applying Equitax into a real-life scenario where for example Company A in the USA and Company B in the UK can utilize Equitax to assess and remit their business taxes as follows:

- **Tokenizing Tax Assessment:**
Under the Equitax system, both Company A and Company B will have their business transactions and financial data tokenized on the Equitichain blockchain network. This helps ensure the security and transparency of their tax assessment process.
- **Cross-Border Tax Assessment:**
When it's time to assess their business taxes, Equitax automatically analyzes the tokenized data of Company A and Company B's cross-border transactions. It takes into account relevant tax laws and regulations from both the USA and the UK.
- **Transparent Tax Calculation:**
Equitax calculates the tax liabilities for Company A and Company B based on the assessed data. The results are provided in a clear and transparent manner, ensuring accuracy and eliminating potential discrepancies.
- **Tax Remittance:**
Equitax provides a seamless tax remittance process. It automatically converts the tax liabilities into the respective currencies, considering exchange rates and transaction fees. The system generates digital tax invoices and facilitates secure, cross-border payments.
- **Compliance and Reporting:**
Equitax generates comprehensive tax reports, including transaction history, tax calculations, and remittance details. This simplifies the tax compliance process for both Company A and Company B by providing a centralized platform for all tax-related information.
- **Audit Trail and Transparency:**
Equitax maintains an immutable audit trail of all tax-related activities, ensuring transparency and accountability. This allows tax authorities from both countries to access and verify the tax data whenever required.
- **Legal Compliance:**
Equitax ensures that the tax calculations and remittances comply with the tax laws and regulations of both the USA and the UK. Any updates or changes in tax regulations are promptly implemented within the system to ensure ongoing regulatory compliance. By utilizing Equitax, Company A and Company B can streamline their cross-border tax assessment and remittance processes, reducing complexities and ensuring accuracy while remaining compliant with the tax laws of their respective countries.

8.0.0.0.5. Equitax Smart Contract : Example Real-life Scenario:

```
# Step 1: Import the necessary libraries
import equitichain
import equitax
# Step 2: Define the business transactions in the USA and the United Kingdom
transaction_usa = {
    "transaction_id": "TX123",
    "country": "USA",
    "amount": 1000,
    "currency": "USD"
}

transaction_uk = {
    "transaction_id": "TX456",
    "country": "UK",
```

```

    "amount": 800,
    "currency": "GBP"
}

# Step 3: Calculate the tax using Equitax smart contracts
equitax_contract = equitax.SmartContract()
tax_usa = equitax_contract.calculate_tax(transaction_usa)
tax_uk = equitax_contract.calculate_tax(transaction_uk)

# Step 4: Assess the tax and generate assessment reports
assessment_usa = equitax_contract.assess_tax(transaction_usa, tax_usa)
assessment_uk = equitax_contract.assess_tax(transaction_uk, tax_uk)

# Step 5: Collect and remit the tax using Equitichain's blockchain technology
equitichain_network = equitichain.Network()
equitichain_network.collect_tax(assessment_usa)
equitichain_network.collect_tax(assessment_uk)
equitichain_network.remit_tax()

# Step 6: Verify the tax collection and remittance status
collection_status_usa = equitichain_network.get_collection_status(assessment_usa)
collection_status_uk = equitichain_network.get_collection_status(assessment_uk)
remittance_status = equitichain_network.get_remittance_status()

# Step 7: Print the results
print("Tax calculation and assessment:")
print("USA - Tax amount: $", tax_usa)
print("UK - Tax amount: £", tax_uk)
print("\nTax collection and remittance status:")
print("USA - Collection status:", collection_status_usa)
print("UK - Collection status:", collection_status_uk)
print("Remittance status:", remittance_status)

```

FIG. 9.0

```

# Example code for income tax calculation using Equitax smart contract

def calculate_income_tax(income):
    tax_rate = get_tax_rate(income)
    tax_amount = income * tax_rate
    return tax_amount

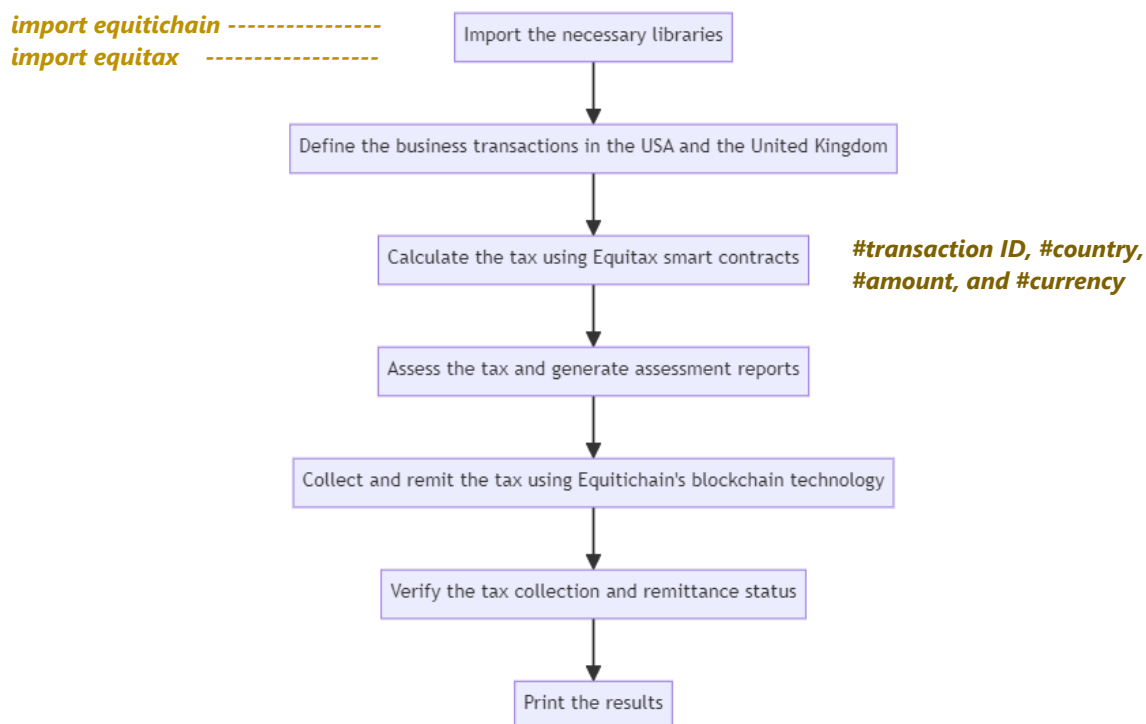
def get_tax_rate(income):
    # Retrieve tax rate from Equitax smart contract based on income bracket
    # Example implementation:
    if income < 10000:
        return 0.1
    elif income < 50000:
        return 0.2
    else:
        return 0.3

income = 60000
tax_amount = calculate_income_tax(income)
print(f"Income tax amount for income {income}: {tax_amount}")

```

Note: The above code is a simplified representation of how Equitax can be used for cross-border taxation. The actual implementation will vary depending on the specific requirements per jurisdiction and business processes involved. In this Equitax smart contract code, we import the necessary libraries, define the business transactions in the USA and the United Kingdom, calculate the tax using Equitax smart contracts, assess the tax and generate assessment reports, collect and remit the tax using Equitichain's blockchain technology, and finally verify the tax collection and remittance status.

8.0.0.0.6. Schematic Flow Diagram Illustrating Equitax Application in Use:



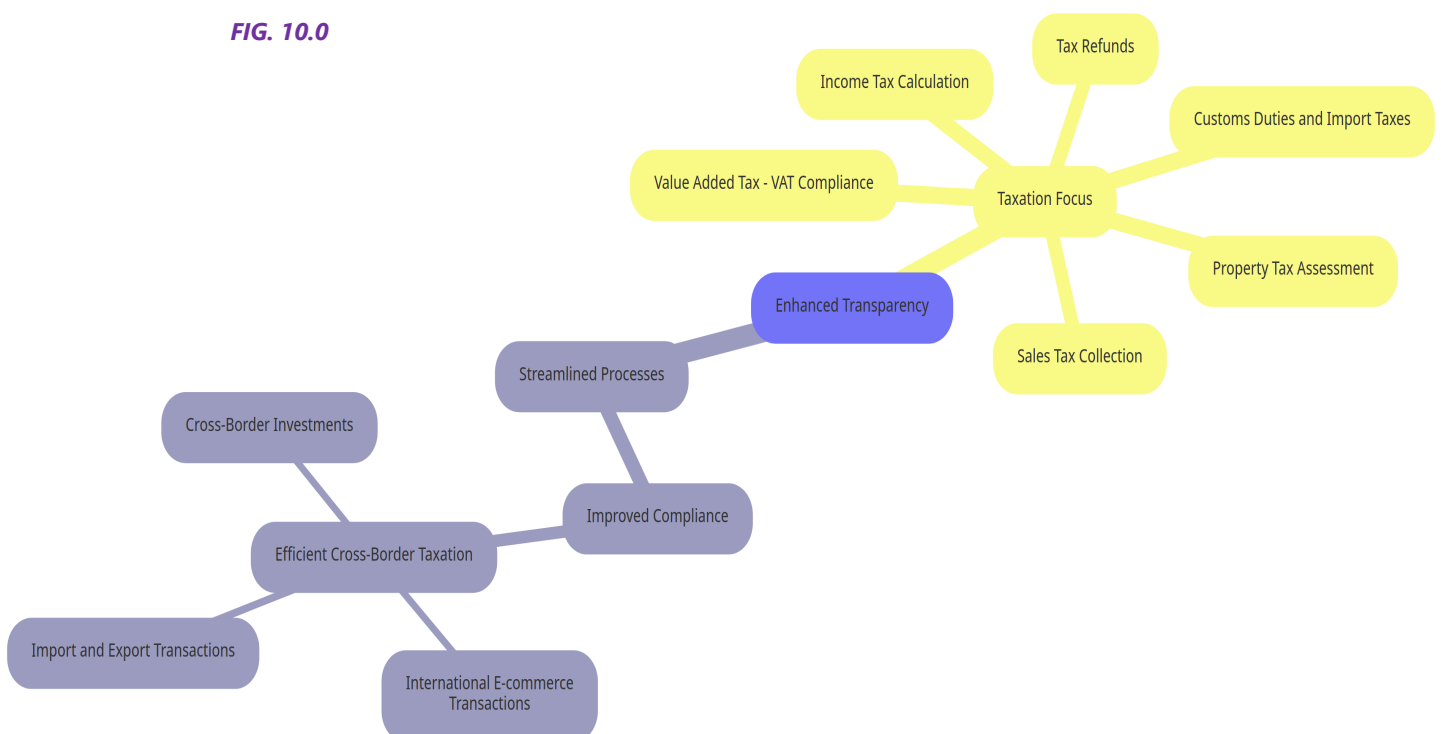
8.0.0.0.7. Equitax and Global Business :

The implementation of Equitax brings several benefits to the global business landscape and tax administration systems.

- **Enhanced Transparency:** Equitax fosters transparency in cross-border taxation by providing a clear audit trail of transactions. This transparency instills trust among taxpayers, tax authorities, and other stakeholders, reducing disputes and the potential for tax evasion.
- **Streamlined Processes:** By automating tax-related processes through smart contracts, Equitax reduces the administrative burden for both taxpayers and tax authorities. This streamlining of processes enables faster assessment, collection, and remittance of taxes, leading to improved efficiency and cost savings.
- **Improved Compliance:** Equitax improves tax compliance by eliminating manual errors and providing real-time visibility into tax obligations. Smart contracts enforce compliance rules, ensuring that taxpayers meet their obligations promptly and accurately.
- **Efficient Cross-Border Taxation:** Equitax simplifies cross-border taxation by seamlessly integrating tax processes across jurisdictions. This integration eliminates complex intermediaries and reduces the barriers to cross-border transactions, enabling smoother cross-border trade and investment.
- **International e-commerce transactions:** Equitax can be used to calculate and assess taxes on cross-border online sales, ensuring compliance with tax regulations in both the USA , the United Kingdom and several other countries globally.

- **Import and export transactions:** Equitax can automate the tax calculation and assessment process for goods and services imported or exported between various countries, simplifying the customs clearance process.
- **Cross-border investments:** Equitax can facilitate the calculation and collection of taxes on cross-border investments, such as dividends, capital gains, and interest income, ensuring accurate and timely tax payments.
- **Income Tax Calculation:** Equitax smart contracts can be programmed to automatically calculate income tax based on predefined tax rules and regulations. For example, when an individual receives their salary, the smart contract can calculate the tax amount based on their income bracket and deduct it automatically.
- **Sales Tax Collection:** Equitax smart contracts can be used to collect sales tax from businesses. When a customer makes a purchase, the smart contract can calculate the applicable sales tax based on the transaction amount and transfer it to the appropriate tax authority.
- **Property Tax Assessment:** Equitax smart contracts can automate the assessment and collection of property taxes. The smart contract can calculate the tax amount based on the property's value, location, and other relevant factors. It can also facilitate the transfer of tax payments to the local government.
- **Value Added Tax (VAT) Compliance:** Equitax smart contracts can ensure compliance with VAT regulations. Businesses can use smart contracts to automatically calculate and transfer VAT payments based on their sales and purchases. This reduces the administrative burden and minimizes the risk of errors or non-compliance.
- **Customs Duties and Import Taxes:** Equitax smart contracts can streamline the calculation and payment of customs duties and import taxes. When goods are imported, the smart contract can calculate the applicable duties and taxes based on the product category and value. It can then facilitate the payment to the customs authority.
- **Tax Refunds:** Equitax smart contracts can automate the process of tax refunds. When an individual or business is eligible for a tax refund, the smart contract can verify the eligibility criteria and initiate the refund process. This eliminates the need for manual verification and speeds up the refund process.

FIG. 10.0



9.0.0.0.0. EQUIBOND APPLICATION - EQUITICHAIN USECASE

Equibond utilizes smart contracts, which are self-executing contracts with the terms of the bond agreement directly written into code. These smart contracts automate the bond issuance process, eliminating the need for intermediaries and reducing the possibility of errors or disputes.

Equibond being an innovative solution, leverages the power of Equitichain smart contracts and the Equitichain blockchain to enable secure, transparent, and efficient issuance of financial performance bonds.

Equibond offers a novel response to the difficulties and constraints of conventional bond issuing, which ultimately benefits all stakeholders by expediting the procedure, expanding transparency, improving mutual trust in business transactions and financial security.

With features such as automation, integration with Equitichain blockchain, security measures, transparency, and immutability, Equibond revolutionizes the traditional bond issuance process, benefiting both issuers and investors.

Equibond as a solution to streamline and enhance the bond issuance process. This whitepaper will provide an in-depth examination of Equibond, highlighting its features and benefits, as well as the challenges it addresses.

9.0.0.0.1. Current Challenges in Bond Issuance:

- **Lengthy and complex bond issuance process:** The traditional process of issuing financial performance bonds involves multiple intermediaries, extensive paperwork, and manual verification, resulting in a slow and cumbersome process.
- **Lack of transparency and trust:** Due to the involvement of intermediaries, there is a lack of transparency in the bond issuance process, leading to a trust deficit between issuers and investors.
- **High costs:** The involvement of intermediaries and manual processes results in significant costs associated with the issuance of financial performance bonds.

9.0.0.0.2. Equibond Solution to Traditional Challenges in Bond Issuance:

- **Equibond** is a blockchain-based solution which aimed at revolutionizing the issuance of financial performance bonds by leveraging the Equitichain blockchain. Equibond ensures secure and transparent issuance of bonds while reducing complexity and costs associated with the traditional process. The platform enables contracting parties to secure and indemnify each other through the issuance of digital bonds on the Equitichain blockchain. The step-by-step process issuance of B\$Equibond outlined in this whitepaper how Equibond ensures the fulfillment of obligations and provides financial security for both Company A and Company B. By leveraging Equibond on the Equitichain network, Company A and Company B can secure and indemnify each other, mitigating risks and enhancing trust in their trade agreements.

Step-by-step detail process between **Company A** and **Company B** on how Equibond enables the two contracting parties to secure and indemnify each other through the issuance of digital financial performance bonds on the Equitichain blockchain smart contract to execute their mutual trades or projects.

- i. **Initial Agreement:** Company A and Company B enter into a trade agreement where they agree to execute a trade or project. This agreement includes the commitment of both parties to fulfill their respective obligations.
- ii. **Bond Requirements:** As part of the agreement, Company A requires Company B to provide a financial performance bond (2.5% of the total value of trade or project) to ensure that Company B fulfills its obligations successfully. The bond acts as a guarantee or insurance in the event of default or non-performance.

- iii. **Equibond Issuance:** Using the B\$Equibond smart contract platform, Company B applies for an Equibond denominated in USDSHARES(B\$), which represents the financial performance bond. Company B submits all required documentation, including financial records, project details, and any other necessary information.
- iv. **Verification and Assessment:** The Equibond smart contract verifies and assesses the application submitted by Company B. This assessment includes evaluating the financial stability and creditworthiness of Company B. The platform also verifies the accuracy and authenticity of the provided documentation.
- v. **Equibond Creation:** Upon successful verification and assessment, the Equibond smart contract generates a unique digital Equibond for Company B. This digital bond is encrypted and stored securely on the blockchain network.
- vi. **Indemnification and Security:** With the Equibond in place, both Company A and Company B are protected. Company A is indemnified in case of non-performance by Company B, and Company B is also secured against any undue claims or penalties by Company A.
- vii. **Trade Execution:** With the B\$Equibond issued, Company A confidently proceeds with the trade or project, knowing that the bond provides financial security in case of default or non-performance by Company B.
- viii. **Monitoring and Escrow:** The B\$Equibond smart contract continuously monitors the progress of the trade or project, ensuring that both parties fulfill their obligations. Any discrepancies, delays, or disputes are recorded and resolved transparently on the blockchain.
- ix. **Bond Release or Claim:** Upon successful completion of the trade or project, the B\$Equibond smart contract releases the Equibond, indicating the fulfillment of Company B's obligations. The bond is considered void, and no further claims can be made against it.
- x. **Dispute Resolution:** In the event of any disputes or non-performance, both parties can refer to the blockchain records and the terms of the Equibond for resolution. The transparent nature of the blockchain ensures a fair and auditable dispute resolution process.

9.0.0.0.3. Equibond Integration with Equitichain Blockchain and Smart Contract:

- **Equibond Integration with Equitichain Blockchain:**
Equibond leverages the Equitichain blockchain technology for secure and transparent issuance of financial performance bonds to power businesses and transactions globally. The blockchain provides a decentralized and distributed ledger where all bond-related transactions are recorded. This ensures immutability and prevents unauthorized tampering of bond-related data.
- **Equibond Smart Contract:**
This below represents the Equibond smart contract for issuing and releasing Equibonds on the Equitichain blockchain network.

```
// Solidity code for Equibond issuance and trade execution on Equitichain Blockchain
contract Equibond {
  // Define the structure for the Equibond
  struct Bond {
    uint256 value; // Value of the bond
    address issuer; // Address of the bond issuer (Company B)
    address beneficiary; // Address of the bond beneficiary (Company A)
    bool released; // Flag indicating if the bond has been released
  }

  // Mapping to store the Equibonds
  mapping(uint256 => Bond) public bonds;
```

```

// Function to issue an Equibond
function issueBond(uint256 bondId, uint256 value, address issuer, address beneficiary) public {
    // Create a new bond
    Bond memory newBond = Bond(value, issuer, beneficiary, false);

    // Store the bond in the mapping
    bonds[bondId] = newBond;
}

// Function to release an Equibond
function releaseBond(uint256 bondId) public {
    // Check if the bond exists
    require(bonds[bondId].value > 0, "Bond does not exist");

    // Check if the bond has not been released already
    require(!bonds[bondId].released, "Bond has already been released");

    // Mark the bond as released
    bonds[bondId].released = true;
}
}

```

The *Equibond* contract defines a *Bond* structure that includes the value of the bond, the addresses of the issuer and beneficiary, and a flag indicating if the bond has been released.

The *issueBond* function allows Company B to issue a new Equibond by providing the *bond ID*, value, issuer address (Company B), and beneficiary address (Company A). The function creates a new *Bond* instance and stores it in the *bonds* mapping.

The *releaseBond* function enables the release of an Equibond. It checks if the bond exists and has not been released already. If the conditions are met, the function marks the bond as released.

By utilizing Equibond smart contract platform, Company A and Company B can securely issue and release Equibonds on the Equitichain blockchain network, ensuring the fulfillment of trade agreements and providing financial security for both parties.

Equibond revolutionizes trade execution by leveraging the power of blockchain technology. Through the issuance of digital financial performance bonds, Equibond enables secure and indemnified trade agreements between contracting parties.

With Equibond, companies can confidently engage in trade or project execution, knowing that they are protected against non-performance and undue claims. The transparency and immutability of the Equitichain Equibond network ensure a fair and auditable dispute resolution process, further enhancing the trust between the parties involved.

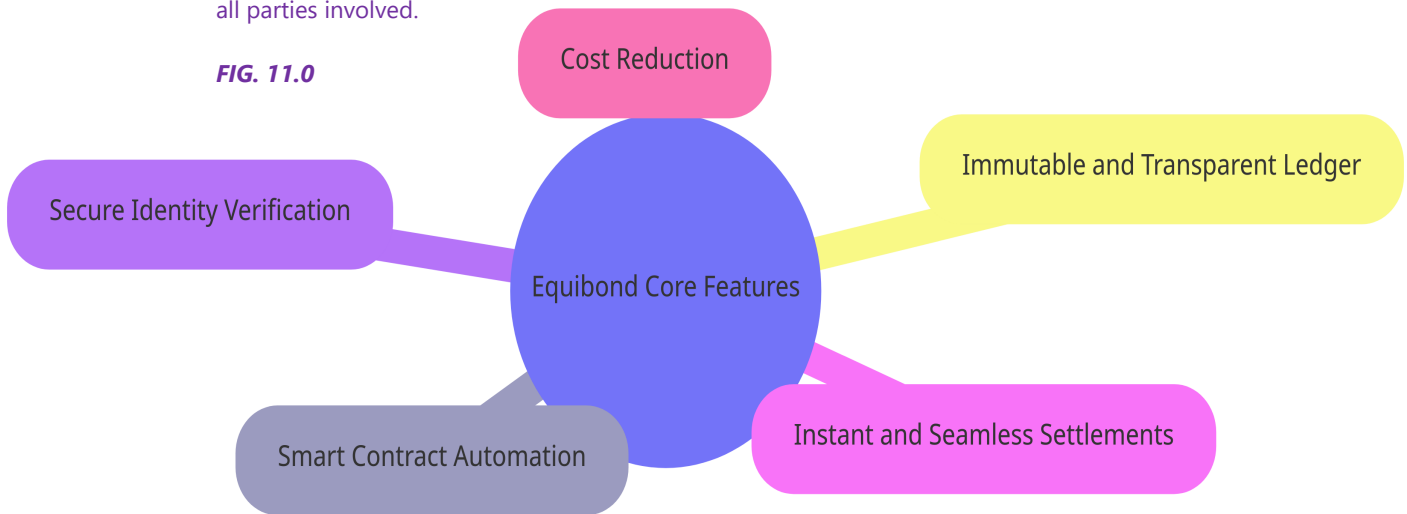
With Equibond, trade execution becomes more efficient, secure, and reliable, paving the way for a new era of trust and collaboration in the business world.

9.0.0.0.4. Equibond Core Features :

- a. **Smart Contract Automation:** Equibond utilizes smart contracts to automate the bond issuance process. Smart contracts are self-executing agreements that facilitate the transfer of funds and ensure the fulfillment of contractual obligations.
- b. **Immutable and Transparent Ledger:** Equitichain provides an immutable and transparent ledger where all bond-related transactions and data are recorded. This enhances trust and eliminates the need for intermediaries.
- c. **Secure Identity Verification:** Equibond employs robust identity verification mechanisms to ensure that only authorized parties can participate in bond issuance and trading. This strengthens security and prevents fraudulent activities.

- d. **Instant and Seamless Settlements:** The Equitichain blockchain enables instant settlements, eliminating the need for delay-prone manual processes. This saves time and streamlines the bond issuance and trading process.
- e. **Cost Reduction:** By eliminating intermediaries and reducing manual processes, Equibond significantly reduces the costs associated with financial bond issuance, making it more accessible and affordable for all parties involved.

FIG. 11.0



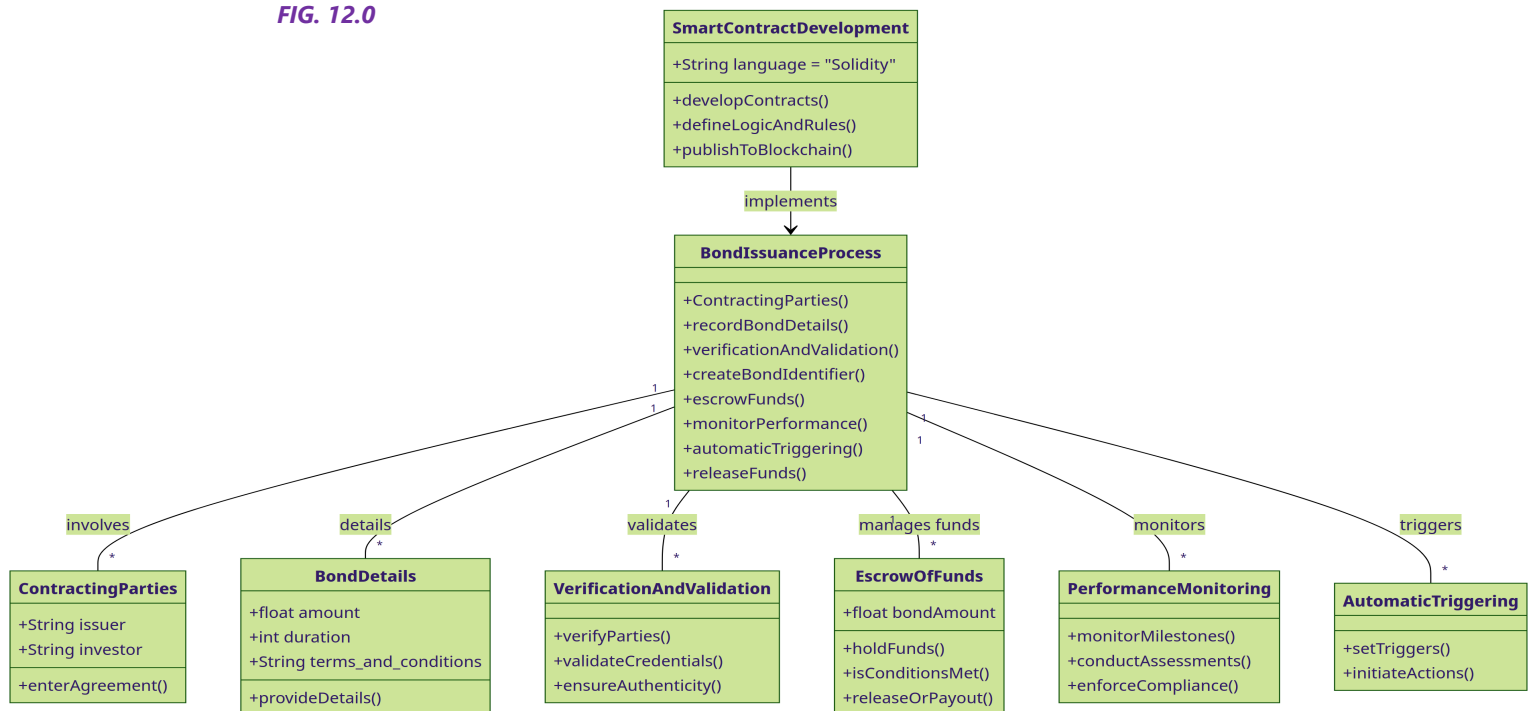
9.0.0.0.5. Equibond And Global Financial System

- a. **Enhanced Efficiency:** Equibond simplifies and automates the bond issuance process, reducing delays and enhancing overall efficiency.
- b. **Increased Transparency, Auditability and Trust:** By leveraging the Equitichain blockchain's transparency and immutability, Equibond fosters trust between contracting parties, reducing the risk of fraud and disputes. All bond-related transactions are recorded on the Equitichain blockchain, making them visible to all authorized parties. This transparency enhances trust between issuers and investors, as they can independently verify the integrity and history of the bond issuance process. Furthermore, the blockchain's immutability ensures that once a transaction is recorded, it cannot be altered or deleted, providing an auditable trail of all bond-related activities.
- c. **Efficiency and Lower Costs:** With the elimination of intermediaries and the automation of processes, Equibond reduces costs associated with bond issuance, making it more cost-effective for all parties involved. By automating the bond issuance process through smart contracts and removing intermediaries, Equibond significantly reduces the time and resources required for bond issuance. This streamlines the process for both issuers and investors, resulting in cost savings and improved efficiency.
- d. **Improved Security:** Equibond's secure identity verification mechanisms and utilization of blockchain technology ensure the security and integrity of bond transactions, minimizing the risk of data breaches and unauthorized activities. The Equitichain blockchain utilizes cryptographic techniques to secure transactions and validate the integrity of data. Additionally, access controls and encryption mechanisms are implemented to ensure only authorized parties can interact with the bond issuance system.
- e. **Immutability and Data Integrity:** The Equitichain blockchain ensures the immutability of bond-related data. Each transaction is linked to the previous one through cryptographic hashes, forming a chain of blocks. Once a transaction is recorded on the blockchain, it is nearly impossible to modify or tamper with, ensuring the integrity of the bond issuance process and providing a secure record of all transactions.
- f. **Accessibility for SMEs and Individuals:** Equibond aims to democratize bond issuance by providing a platform that is accessible to small and medium-sized enterprises (SMEs) and individual investors. By removing the traditional barriers to entry, such as high costs and complex processes, Equibond allows SMEs and individuals to tap into the bond market and raise capital efficiently.

- g. **Integration of KYC/AML Compliance:** Equibond incorporates robust KYC (Know Your Customer) and AML (Anti-Money Laundering) verification processes to ensure compliance with regulatory requirements. This helps maintain the integrity of the platform and safeguards against illicit activities.
- h. **Seamless Investor Experience:** Equibond provides a user-friendly interface for investors to participate in the bond issuance process. Investors can easily browse and select bonds based on their preferences and investment criteria, simplifying the investment process.

9.0.0.0.6. Equibond - Technical Implementation

FIG. 12.0



➤ Equibond Key Components and Issuance

- **Smart Contract Development:** Equibond architects smart contracts using Solidity, a programming language specifically designed for Ethereum-based blockchains. The smart contract code defines the logic and rules governing the issuance of financial performance bonds.
- **Bond Issuance Process:** The bond issuance process on Equibond consists of the following steps:
 - a. **Contracting Parties:** The issuer, typically a contractor, and the investor, typically a project owner or client, agree to enter into a financial performance bond agreement.
 - b. **Bond Details:** The issuer provides the necessary bond details, including the bond amount, duration, terms, and conditions to the smart contract.
 - c. **Verification and Validation:** The Equitchain network verifies the authenticity and credibility of the contracting parties. This ensures that both parties are legitimate and have the necessary qualifications to conduct the bond issuance.
 - d. **Bond Creation:** Once the verification process is complete, the smart contract creates a unique bond identifier and records the bond details and parties involved on the blockchain.

e. Escrow of Funds: The investor transfers the bond amount to an escrow account on the Equitichain network. The smart contract holds the funds securely until the conditions of the bond are met or released based on predefined events.

f. Performance Monitoring: The Equitichain network monitors the performance of the issuer throughout the bond duration. This may involve tracking milestones or conducting periodic assessments to ensure compliance with the defined terms and conditions.

g. Automatic Triggering: If the issuer fails to fulfill the obligations outlined in the bond agreement, pre-defined triggers or milestones will automatically initiate actions. For example, if the project is delayed, the smart contract can trigger a partial or full payout from the escrow account to the investor.

h. Release of Funds: Once the bond duration is complete, and all the conditions are met, the smart contract releases the funds from the escrow account back to the issuer.

The Equitichain blockchain provides a transparent and tamper-proof record of all bond-related transactions and events. This transparency enhances trust between the contracting parties, eliminates the need for intermediaries, and ensures accountability.

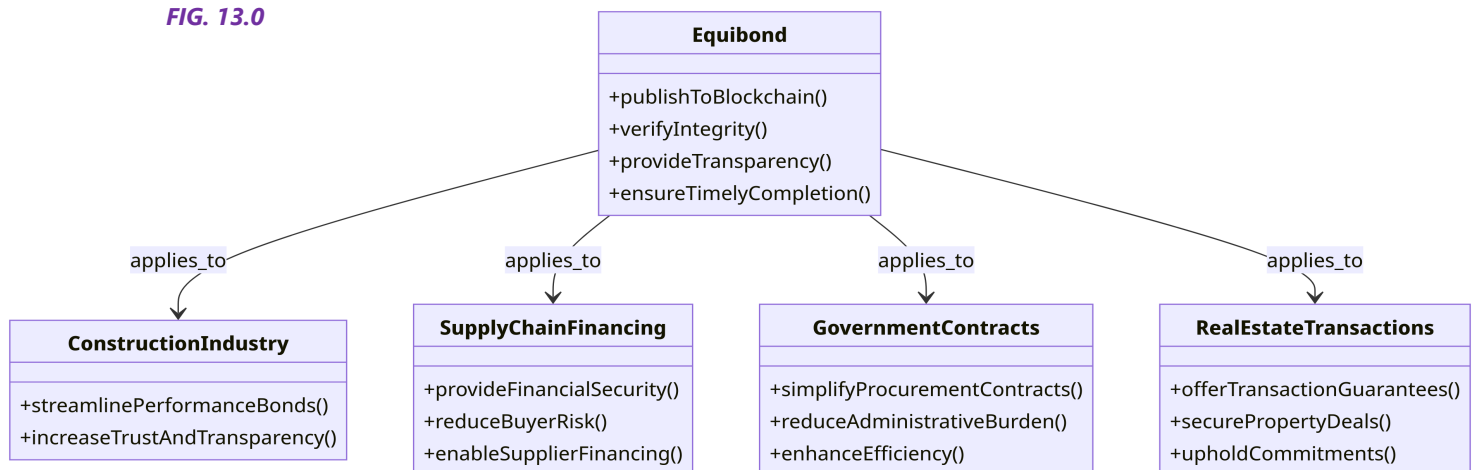
Equitichain's decentralized network stores the bond-related information across multiple nodes, making it resistant to single points of failure and tampering. Each transaction is encrypted and recorded, creating an immutable and auditable record of all bond issuance activities.

9.0.0.0.7. Equibond Potential Commercial Applications

The overarching functionalities of Equibond are tailored to and applied in various industrial/commercial contexts. Equibond could potentially revolutionize different sectors by providing secure and transparent services tailored to each industry's needs. The unified model diagram below illustrates the broad application spectrum and implementation specifics in each industrial and commercial sector, from construction to real estate, enriching understanding and strategic insights into Equibond's commercial advantages.

Equibond applies to strategic sectors where financial performance bonds are commonly used.

FIG. 13.0



- **Construction Industry:** In the construction industry, Equibond can streamline the issuance of performance bonds between contractors and project owners. Using Equibond, contractors can provide a secure guarantee of their performance and ensure timely completion of projects, leading to increased trust and transparency in the industry.
- **Supply Chain Financing:** Equibond can be utilized in supply chain financing to provide financial security between buyers and suppliers. For example, Equibond can be used by a supplier to offer a financial performance bond to a buyer, ensuring the timely delivery of goods or services. This reduces the risk for the buyer and allows suppliers to access financing based on the value of their performance bond.

- **Government Contracts:** Equibond can be applied in government procurement contracts, where performance bonds are often required. Through Equibond, government agencies can verify the integrity of the bonds in real-time, reducing the administrative burden and improving the overall efficiency of the procurement process.
- **Real Estate Transactions:** Equibond can streamline the real estate transaction process by providing a transparent and secure platform for buyers and sellers. Equibond can be used as a guarantee for the completion of property transactions, ensuring that both parties uphold their commitments.

9.0.0.0.8. Real Life Usecase Illustration

These use cases demonstrate how Equibond can empower secure and transparent issuance of financial performance bonds across various industries, enhancing trust, efficiency, and reliability for all involved parties.

a) ABC Construction:

ABC Construction is a major construction company. Using Equibond, they issue performance bonds to project owners, ensuring the completion of their projects within the agreed-upon timeline. Equibond's smart contracts automatically verify the completion milestones and release the funds accordingly, reducing the need for manual audits and intermediaries.

b) XYZ Supplier Finance:

XYZ is a supplier in the manufacturing industry. They utilize Equibond to offer performance bonds to their buyers, assuring the timely delivery of goods or services. This enables XYZ to access supply chain financing based on the value of their performance bond, improving their cash flow.

9.0.0.0.9. Security and Compliance in Equibond:

Security measures and compliance with regulations are of utmost importance in Equibond to provide a secure and trustworthy ecosystem for the issuance of financial performance bonds. Here are the key aspects of security and compliance in Equibond:

- **Strong Encryption:** Equibond employs state-of-the-art encryption techniques to safeguard sensitive data and transactions. All data transmitted through the Equitichain blockchain network is encrypted using industry-standard encryption protocols, ensuring that it remains confidential and secure from unauthorized access.
- **Immutable Record Keeping:** The Equitichain blockchain network ensures that all bond issuance transactions are recorded in a tamper-proof and immutable manner. Once recorded on the blockchain, the data cannot be altered or manipulated, providing an auditable trail of all transactions.
- **User Authentication and Access Control:** Equibond implements robust user authentication mechanisms, requiring users to securely authenticate their identities before gaining access to the platform. Access control measures are also enforced to restrict unauthorized access to sensitive data and functionalities.
- **Compliance with Financial Regulations:** Equibond adheres to relevant financial regulations and industry standards, ensuring compliance with Know Your Customer (KYC) and Anti-Money Laundering (AML) regulations. This ensures that all participants in the Equibond ecosystem are verified and that any suspicious activities are promptly reported and addressed.
- **Regular Security Audits and Updates:** Equibond undergoes regular security audits by independent third-party firms to identify and fix any potential vulnerabilities. Updates and patches are promptly applied to address any security vulnerabilities and mitigate risks.

9.0.0.1.0. Equibond Future Enhancement and Upgrades

Equibond is currently in its early stages of development. Our primary focus at this stage is to create a robust platform that provides a seamless and secure bonding experience for users. We aim to address the pain points and challenges faced by traditional bonding platforms by leveraging blockchain technology.

In the near future, we plan to roll out the following enhancements and upgrades to optimize and expand Equibond's capabilities:

- **Bond Issuance and Secondary Market:** We are working towards enabling bond issuers to easily issue bonds on the platform. This will include features such as customizable bond terms, automated settlement processes, and integration with global financial markets. Additionally, we are exploring the possibility of establishing a secondary market where bondholders can trade their bonds.
- **Enhanced Security and Privacy:** We understand the importance of maintaining the security and privacy of users' data. To address this, we are implementing state-of-the-art security measures, including multi-factor authentication, data encryption, and regular security audits. We are also working towards being compliant with industry regulations such as General Data Protection Regulation (GDPR).
- **Integration with DeFi Ecosystem:** DeFi (Decentralized Finance) has seen significant growth in recent years, offering innovative financial products and services. We plan to integrate Equibond with the DeFi ecosystem, allowing users to leverage the benefits of decentralized lending, liquidity pools, and other DeFi protocols.
- **Cross-Chain Compatibility:** To enhance accessibility and interoperability, we are exploring the integration of multiple blockchain networks. This will allow users to participate in bond offerings regardless of the blockchain they prefer or the network they are connected to.
- **Expanded Token Support:** Currently, Equibond supports a limited number of tokens for bonding. In the future, we plan to expand the range of supported tokens, giving users more options to utilize their preferred cryptocurrencies for bonding.
- **Community Governance:** We believe in the power of community input and collaboration. As Equibond progresses, we plan to implement community governance mechanisms that allow token holders to participate in decision-making processes and contribute to the platform's development.

9.0.0.1.1. Equibond Emergence as a Game-Changer

In the bond issuance landscape, this whitepaper provides the foundation for understanding its advantages and potential applications as Equibond paves the way for a future where financial transactions are seamless, secure, and accessible to all parties involved. Equibond has the potential to revolutionize the bond issuance market by streamlining the process and reducing costs. By leveraging blockchain technology, Equibond offers increased security, transparency, and efficiency, eliminating the need for intermediaries and reducing manual errors.

The benefits of Equibond are numerous. Issuers can benefit from reduced issuance costs, faster time-to-market, and access to a global pool of investors. Investors, on the other hand, can enjoy increased liquidity, improved transparency, and reduced counterparty risks.

Equitichain is committed to innovation, transparency, and efficiency in the global financial ecosystem. We will continue to enhance and expand Equibond's capabilities based on user feedback and market demands. Our goal is to create a truly transformative solution that empowers issuers and investors alike, driving the growth and evolution of the bond issuance market.

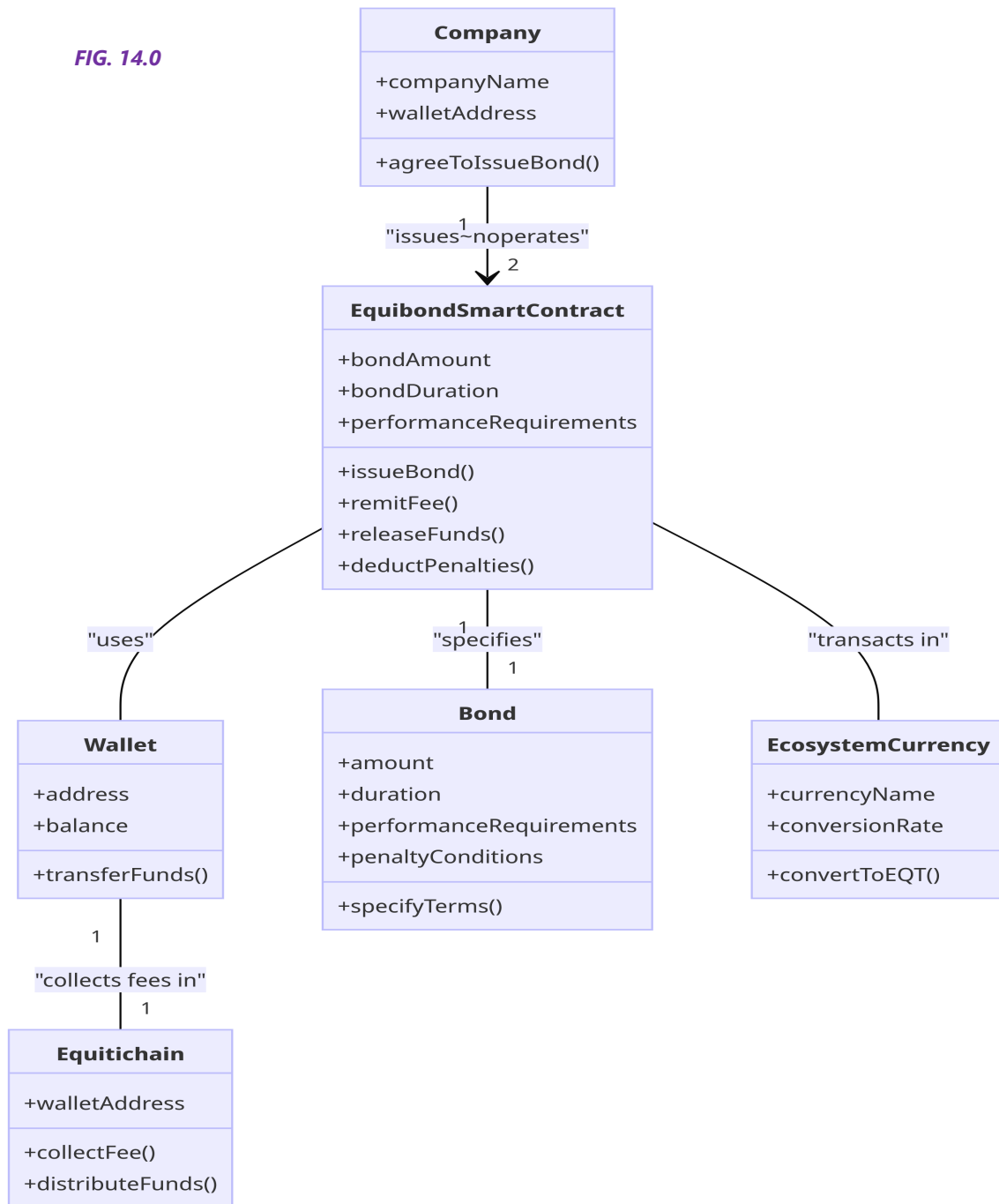
This whitepaper has provided an in-depth technical analysis that explores Equibond and its potential impact. We invite everyone globally to join us on this exciting journey towards a more efficient and inclusive financial system.

9.0.0.1.2. Equibond Revenue/Fee Collection:

Equibond smart contract remits a 1% fee charged per transaction volume by Equitichain on the Equibond issued between Company A and Company B for the issuance of digital financial performance bonds on the Equitichain blockchain. The fees are collected in any of the following ecosystem currencies : **EQT (EQT20 Token Standard), USDS-BEP20, USDS-MATIC, USDS-ERC20 and CRYPTOSHARES.**

Below is the illustration on how the Equitichain revenues are generated and collected instantly using smart contract:

FIG. 14.0



- **Contract Creation:**
Company A and Company B agree to issue a digital financial performance bond using Equibond on the Equitichain blockchain. Based on the transaction, a smart contract is generated specifying the terms and conditions of the bond, including the bond amount, duration, and performance requirements.
- **Equibond Issuance:**
Company A initiates the issuance of the Equibond by depositing the required bond amount plus the 1% fee charged by Equitichain into the smart contract. The smart contract ensures that the funds are locked until the bond's maturity or performance requirements are met.

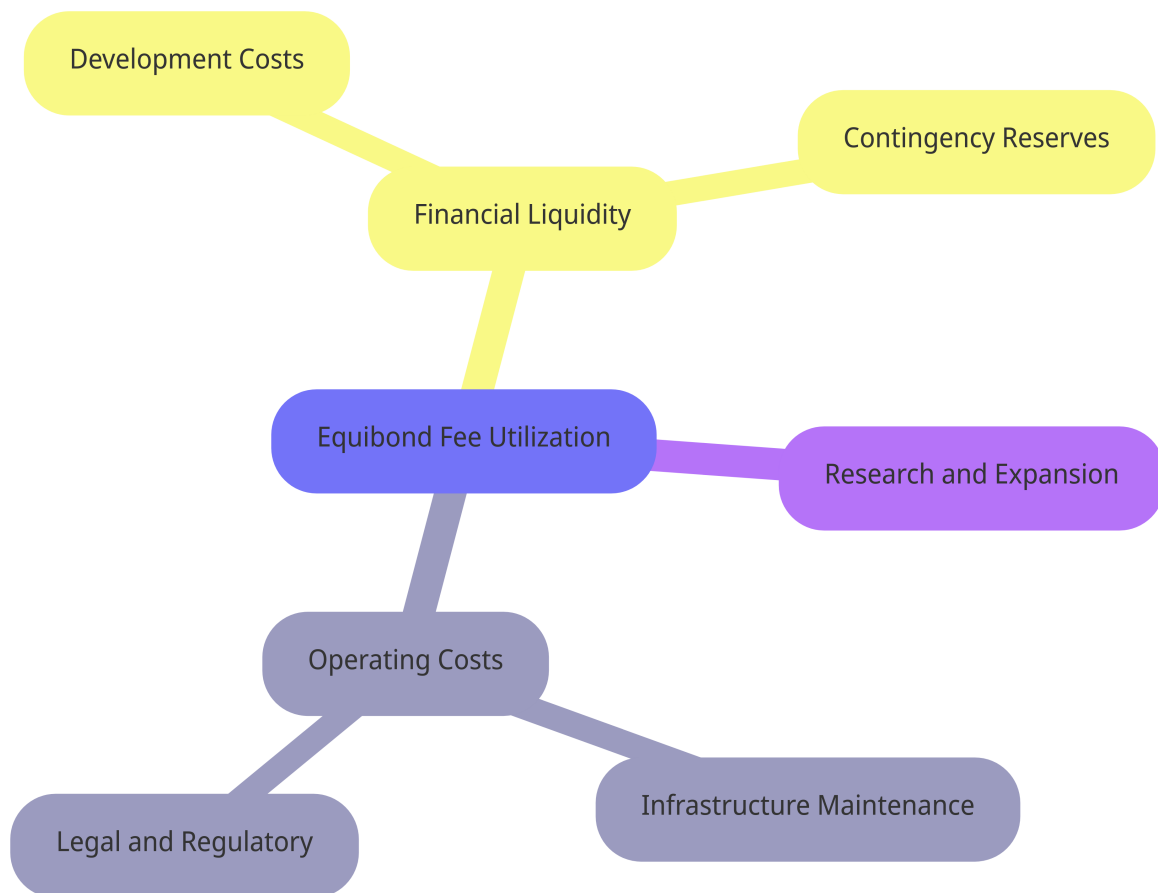
- **Fee Remittance:**
Once the Equibond is issued, the smart contract automatically deducts the 1% fee charged by Equitichain from the deposited funds. The fee is then transferred to the designated wallet address of Equitichain.
- **Bond Execution:**
During the bond duration, Company B fulfills the specified performance requirements stated in the smart contract. If Company B fails to meet the requirements, the bond amount can be forfeited.
- **Bond Maturity:**
At the maturity of the bond or when the performance requirements are met, the smart contract releases the bond amount (minus any penalties, if applicable) to the party entitled to it. **The fee deducted earlier is not returned but remains with Equitichain.**

9.0.0.1.3. Equibond Fee Utilization:

Equitichain utilizes the fees collected from Equibond multiple transactions globally to cover operating costs, build up financial liquidity for the various assets in the ecosystem, maintenance of the blockchain and ecosystem infrastructures, acquisition of regulatory licenses in various jurisdiction, servers and outsourced development cost, build funds reserves against contingencies, research and growth/expansion.

This process ensures transparency, automated fee collection, and efficient execution of digital financial performance bonds while enabling Equitichain Equibond to sustain its operations through the collected fees.

FIG. 15.0



10.0.0.0.0. EQUITCHAIN BLOCKCHAIN (EQT20)

- **Equitichain Token (EQT)**
- **EQT20 TOKEN STANDARD**

10.0.0.0.1. Introduction to Equitichain:

Equitichain Token (EQT) is a web3 token developed on the EQT20 Token Standard decentralized web3 network, designed to revolutionize the way corporate organizations, companies, and governments interact with blockchain technology. The EQT20 Token Standard blockchain enables seamless tokenization, trading, and management of various financial instruments, including stocks, shares, equities, and government bonds, all while providing users with a secure and transparent environment powered by Equitichain blockchain technology.

By utilizing the EQT20 Token Standard blockchain network, Equitichain ensures the security, transparency, and reliability of all transactions, offering a new way to access and manage traditional financial instruments on a decentralized platform.

Equitichain Token (EQT) represents a new era of financial asset tokenization and trading, providing a secure and transparent platform for individuals, companies, and governments to access and engage with global financial markets. By combining blockchain technology with innovative features, Equitichain aims to redefine the way financial instruments are managed, traded, and accessed in the digital age.

10.0.0.0.2. Equitichain Token (EQT) Specification:

FIG. 16.0

Token_Specification		
string	Token_Name	Equitichain
string	Ticker	EQT
string	Token_Standard	EQT20
string	Total_Maximum_Supply	300,000,000 EQT
string	Hashing_Algorithm	DPoS
string	Block_Reward	0.000002 EQT
string	Minimum_Staking_Amount	200 EQT
string	Staking_Maturity	5000 blocks
string	Address_Prefix	P
string	Block_Time	50 blocks per second

FIG. 17.0

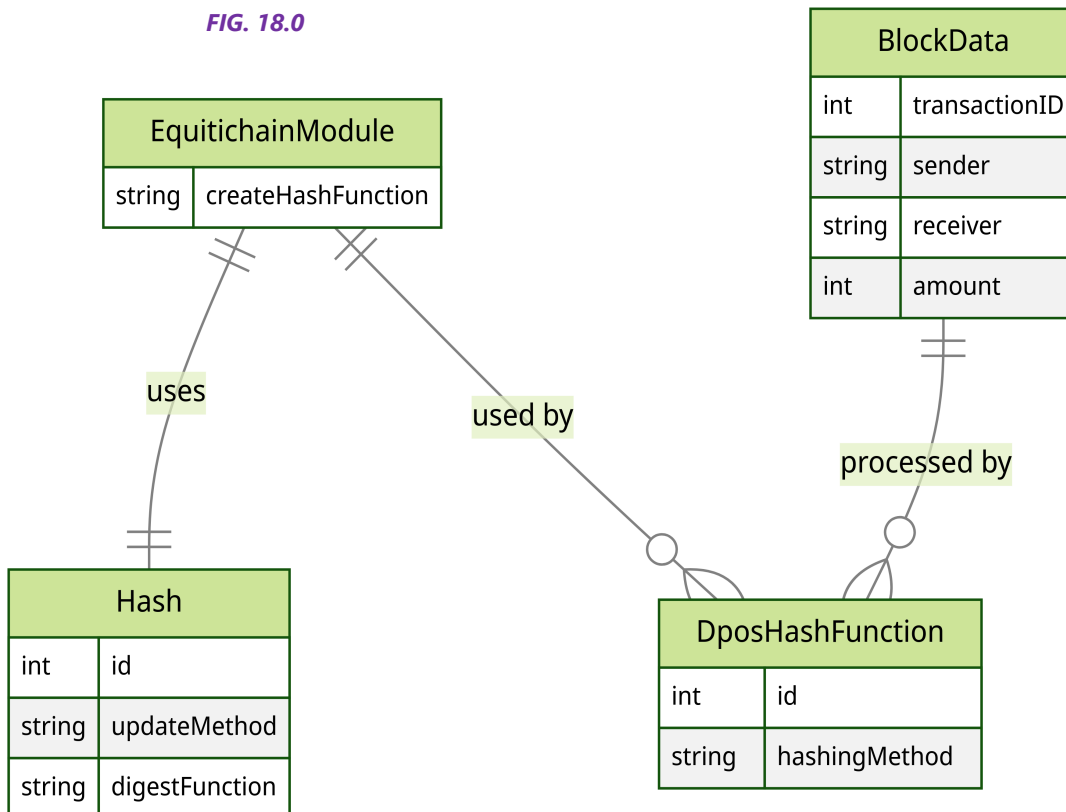
```
class DPoS {
    +address currentValidator
    +voteForValidator(address)
    +validateTransaction() bool
}
```

DPoS	
+address	currentValidator
+voteForValidator(address)	
+validateTransaction()	: bool

The FIG. 17.0 represents the basic implementation of a DPoS system for the Equitichain EQT20 token standard, enabling token holders to participate in block validation through voting.

- The DPoS contract includes a mapping to store token balances of addresses and a variable *currentValidator* to track the current validator.
- The constructor sets the deployer of the contract as the initial validator. The *voteForValidator* function allows token holders to vote for a new validator by specifying the validator's address. The voter must have tokens to participate in the EQT20 voting process.
- The *validateTransaction* function checks if the sender of a transaction is the current validator, returning true if the transaction is valid.

FIG. 18.0



The FIG. 18.0 showcases a simplified version of how the Equitichain Delegated proof of stake Hashing Algorithm (DPoS) is implemented for Equitichain EQT20 token standard blockchain. Hashing plays a crucial role in ensuring data integrity and security within the EQT20 blockchain systems by generating unique fixed-size hashes for input data.

- The *dposHash* function takes data as input, creates a *SHA-256* hash object, updates it with the input data, and returns the hexadecimal digest of the hash.
- We define a sample *blockData* object representing a *transaction* with *sender*, *receiver*, and *amount* fields.
- We hash the *blockData* object by converting it to a *JSON* string and passing it to the *dposHash* function.
- The hashed data is then executed.

10.0.0.2. Equitichain Blockchain Features :

i. Tokenization of Assets:

Companies and firms can tokenize, launch, and trade their stocks, shares, and equities on the EQT20 Token Standard blockchain, ensuring that tokenized assets are backed by real-life assets traded on traditional stock exchanges. This process is supported by Equitichain's API, which mirrors the price of traditional assets in the tokenized form.

ii. Government Bonds Tokenization:

Governments can tokenize their bonds for global trading, with each unit of bond value equivalent to the local currency value in USD. This enables governments to raise funds, remit taxes, and issue financial instruments on the Equitichain blockchain.

iii. Financial Bonded Basket:

Individuals can create a financial bonded basket starting from a minimum of \$1000, which can be traded on the Equitichain network.

iv. DApp and Exchange Platform:

Equitichain provides a decentralized application (DAPP) for its ecosystem, allowing users to deploy apps, bonds, execute tokenization, and trade assets securely. Additionally, an exchange platform is available for users to access and engage in trading activities.

v. Cross-Border Payments:

EQT token being a decentralized and viable digital currency serves as a means for cross-border payments, offering users a convenient and efficient way to transact internationally using EQT decentralized ledger technology.

vi. Smart Contracts and DApp Development:

Equitichain provides comprehensive support for smart contracts and decentralized application (Dapp) development, offering a suite of features and tools to empower developers to build innovative and secure applications on the platform. Equitichain's smart contract framework provides developers with a flexible and efficient environment to create custom smart contracts tailored to specific use cases, featuring advanced scripting capabilities and seamless deployment processes. Additionally, Equitichain offers a user-friendly development toolkit, including SDKs, APIs, and developer documentation, to streamline the Dapp development process and accelerate time-to-market. With a focus on usability, security, and scalability,

Equitchain empowers developers to unleash their creativity and build cutting-edge DApps that drive value and adoption within the blockchain ecosystem.

FIG. 19.0

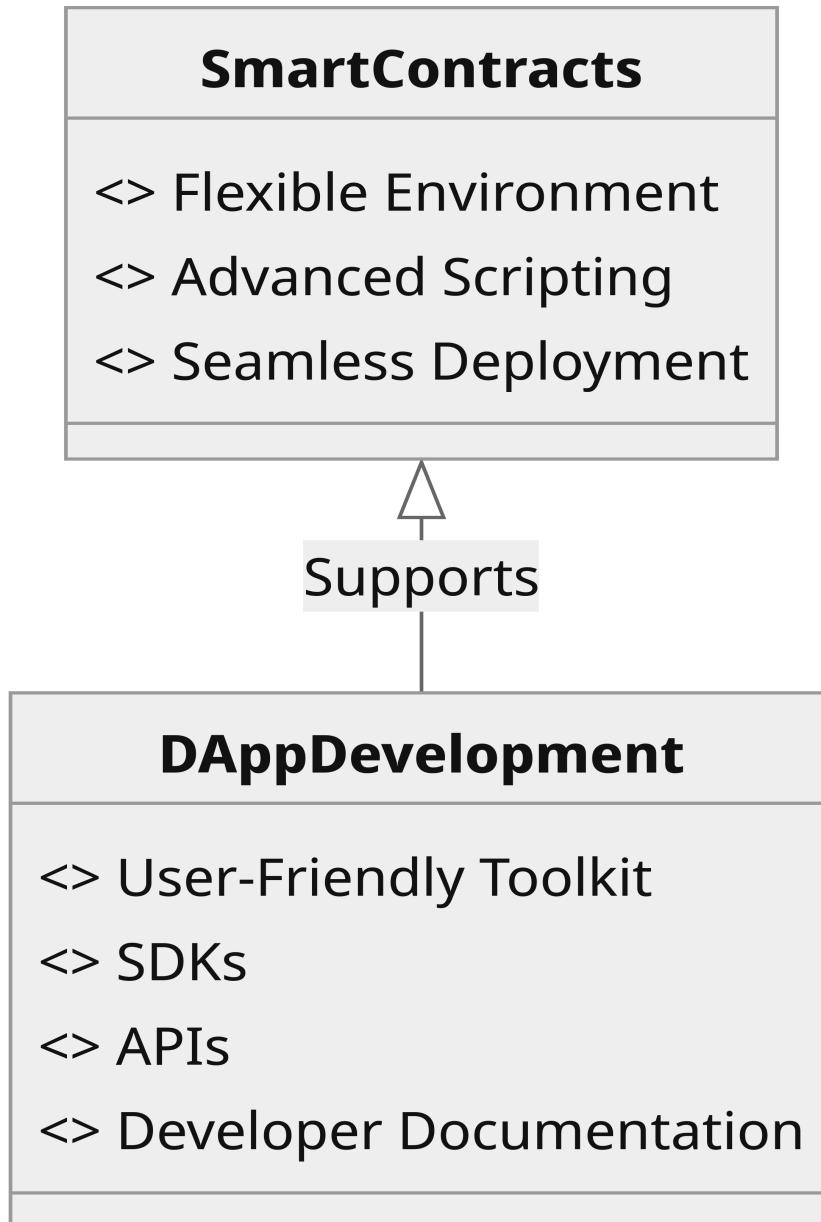
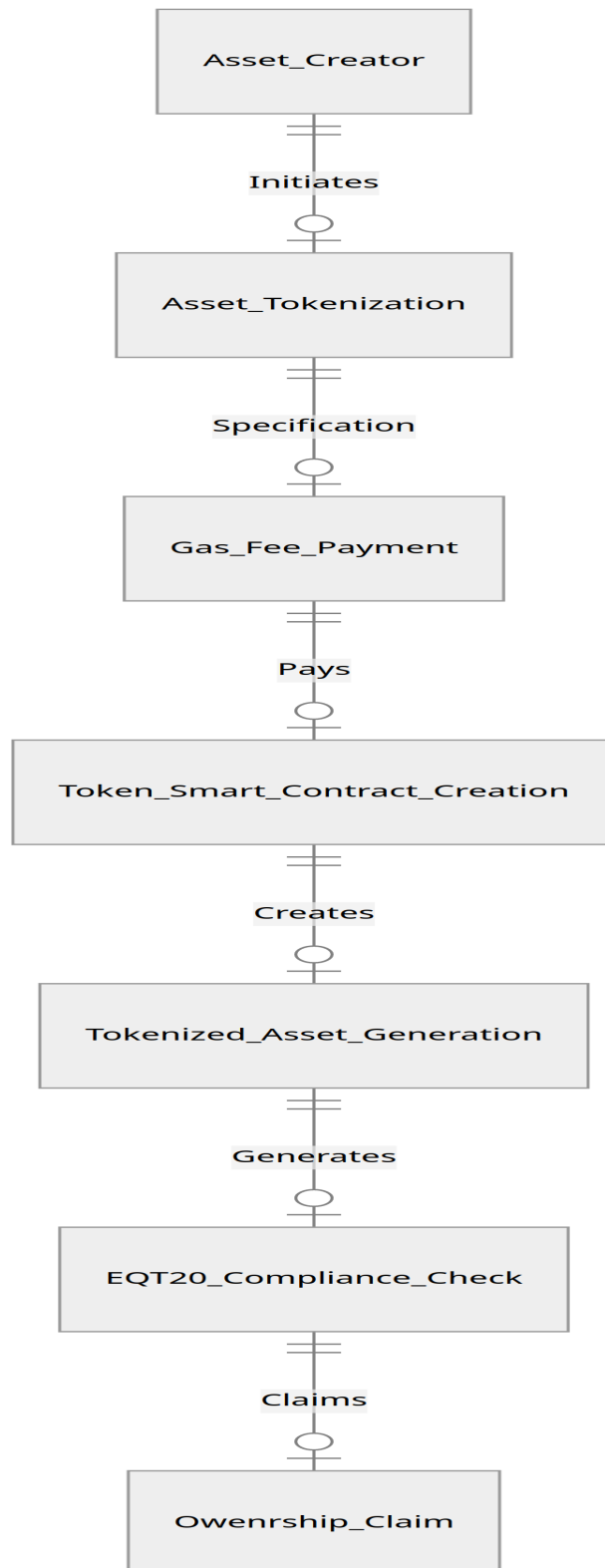


FIG. 20.0



10.0.0.3. Equitichain Blockchain Context and background:

Equitichain Token (EQT) emerges in a world where traditional financial markets are plagued by inefficiencies, lack of transparency, and limited accessibility. These issues have persisted for far too long, hindering global economic development and stifling the growth potential of both individuals and businesses. Concurrently, existing blockchain solutions have made significant strides in addressing some of these challenges but still fall short in providing a comprehensive and user-friendly platform for asset management and investment. Equitichain Token (EQT) aims to bridge these gaps and revolutionize the way assets are traded and managed in a digital economy.

Equitichain Token (EQT) is poised to revolutionize the asset management landscape by offering a secure, efficient, and user-centric platform that addresses the limitations of traditional finance and existing blockchain solutions. With its innovative approach to asset tokenization, seamless trading experience, and commitment to regulatory compliance, Equitichain Token (EQT) stands as a beacon of hope for a more inclusive and sustainable financial ecosystem.

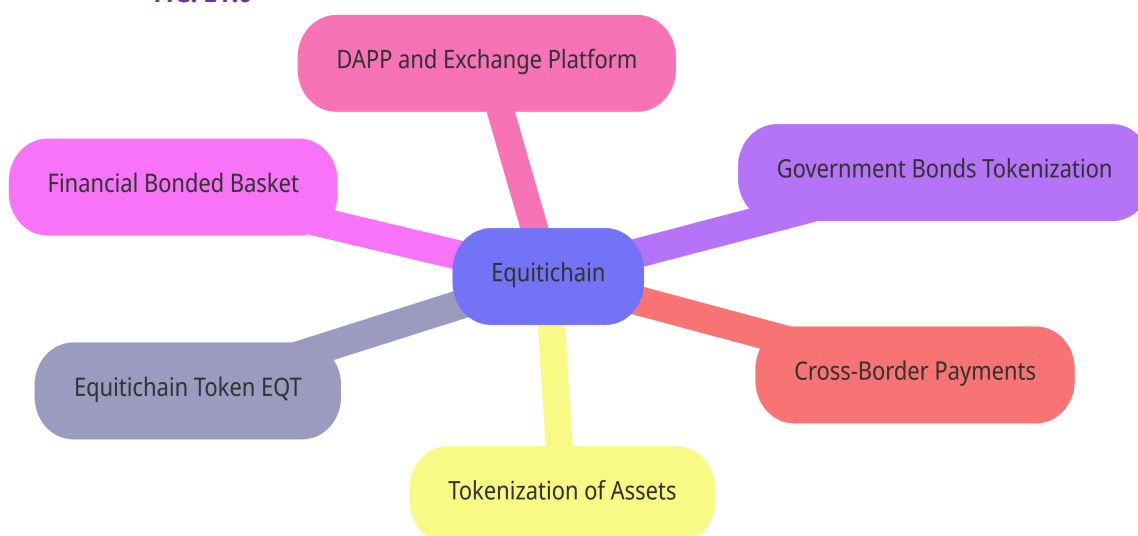
10.0.0.4. Problems Solved and Statements:

Traditional finance systems suffer from various shortcomings, such as high transaction costs, lengthy settlement times, limited market access, and a lack of trust among participants. These inefficiencies not only make it difficult for investors to enter the market but also expose them to higher risks and restricted investment opportunities. On the other hand, existing blockchain solutions, while offering decentralization and security benefits, have struggled with scalability, user adoption, and regulatory compliance hurdles. The need for a platform that combines the best of both worlds—**traditional finance and blockchain technology**—has never been more urgent.

10.0.0.5. Proposed Solutions:

Equitichain network that is powered by its own native EQT20 Token Standard protocol on which Equitichain Token (EQT) codebase is run, presents a comprehensive network that leverages EQT20 Token Standard blockchain technology to streamline asset management processes while ensuring compliance with global regulations. The network provides users with secure access to a wide range of assets, including equities, cryptocurrencies, and digital tokens, all in one integrated blockchain and marketplace. By utilizing smart contracts and advanced encryption techniques, Equitichain ensures transparency, immutability, and trust in every transaction. Moreover, the network's unique value proposition lies in its ability to facilitate instant settlements at a speed of 5,000,000 transactions per minute, lower transaction costs, and expand market opportunities for both retail and institutional investors.

FIG. 21.0



10.0.0.0.6. EQT20 Architecture and Technical Analysis

10.0.0.0.6.1. Architecture Overview:

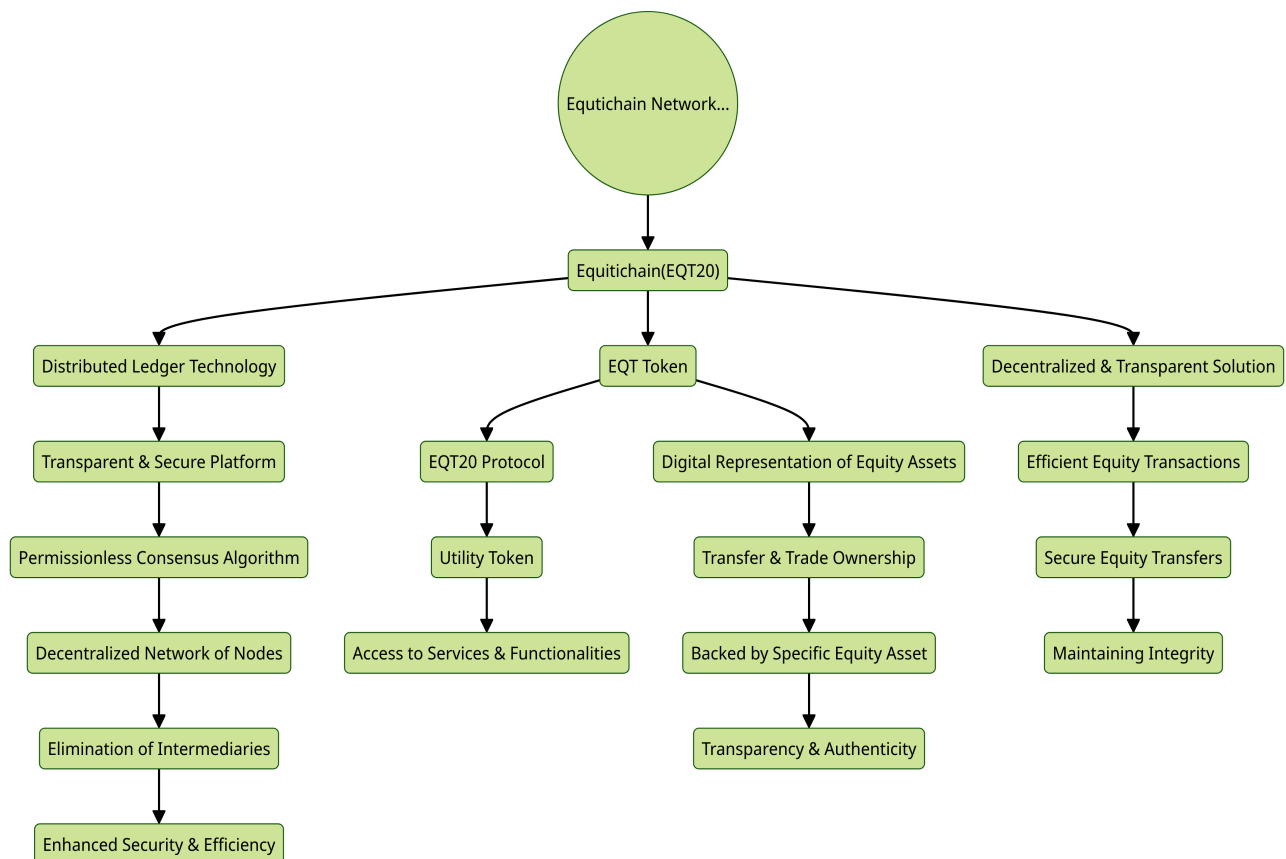
Equitichain (EQT20 Token Standard) is a decentralized blockchain network designed to revolutionize the way equity is managed and transferred. At its core, Equitichain utilizes a distributed ledger technology to create a transparent and secure platform for digitalizing equity assets. The network is built on a permissionless consensus algorithm, ensuring that all transactions are verified and recorded by a decentralized network of nodes, thus eliminating the need for intermediaries and enhancing the security and efficiency of equity transfers.

One of the key components of the Equitichain ecosystem is the EQT token, which plays a pivotal role in facilitating equity transactions within the network. The EQT token is a standard token built on the Equitichain blockchain, adhering to the EQT20 Token Standard protocol. As a utility token, the EQT token enables users to access various services and functionalities offered by the Equitichain ecosystem.

Furthermore, the EQT20 generated tokens serves as a digital representation of any equity/stocks/shares assets within the network, allowing users to transfer and trade ownership of equities seamlessly and securely. Each EQT20 token issued on the EQT20 token standard blockchain is backed by a specific equity asset of the fiat counterpart of the issued token, providing transparency and authenticity to the digitalized equity ownership process. The architecture of Equitichain (EQT20 Token Standard) offers a decentralized and transparent solution for managing and transferring of the issued equity assets. The EQT20 tokens acts as a crucial element in this ecosystem, enabling users to engage in equity transactions efficiently and securely while maintaining the integrity of the underlying equity assets.

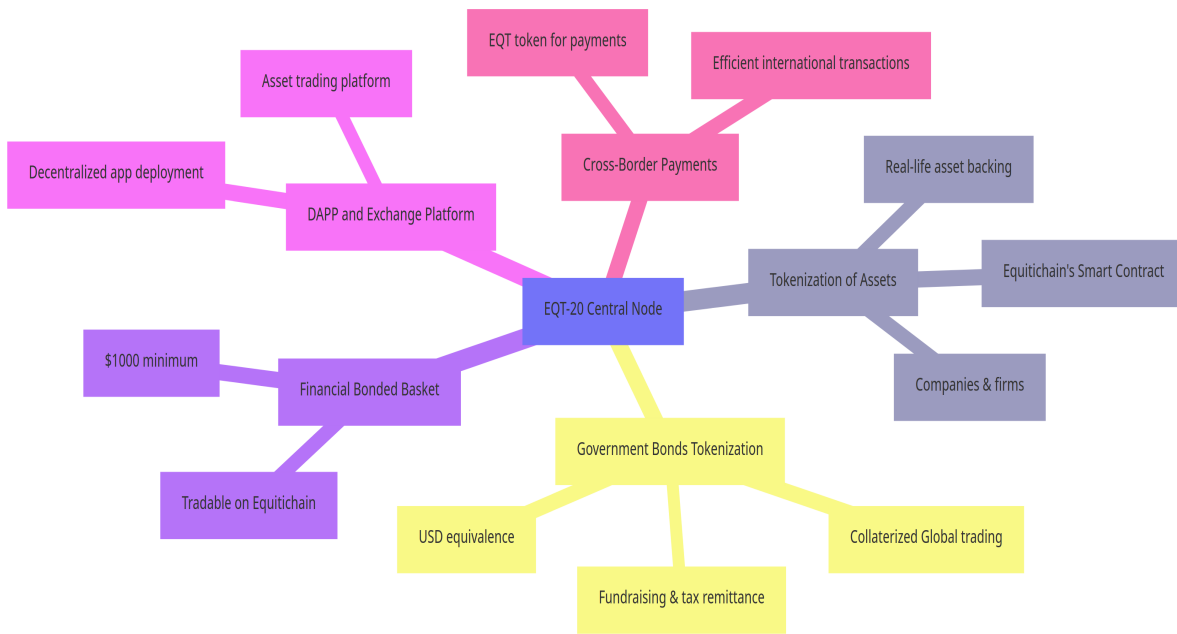
EQT20 token standard paves the way for innovative financial instruments, such as security tokens and asset-backed tokens, to be created and exchanged on a secure and efficient blockchain infrastructure. This opens up new avenues for capital formation, investment opportunities, and liquidity in the financial markets. Overall, the EQT20 token standard network is poised to revolutionize the way equity, stocks, and company shares are tokenized and traded, ushering in a new era of digital asset ownership and management.

FIG. 22.0



The blockchain architecture employs a Delegated Proof of Stake (DPoS) consensus mechanism, supporting smart contracts and decentralized applications (DApps). These contracts govern asset tokenization, transfer, and management, ensuring transparency and security. Additionally, the network includes features for digital identity management, asset tokenization standards, and inter-chain communication protocols to facilitate seamless integration with external systems and platforms. The network ensures real-time value representation, instant transaction settlement, and global accessibility for a diverse range of assets.

FIG. 23.0



10.0.0.6.2. Equitichain (EQT20) Technical Analysis :

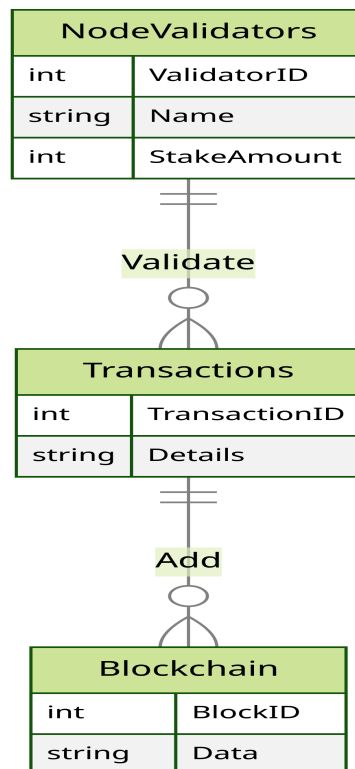
- **Security Measures:**
Equitichain prioritizes network and asset security through advanced encryption, multi-factor authentication, and regular security audits. Proactive measures are taken to identify and address potential security risks, ensuring a safe environment for asset storage and transactions.
- **Scalability Solutions:**
Equitichain addresses blockchain scalability challenges through sharding, layer 2 solutions, and optimized consensus algorithms. These solutions increase transaction throughput and reduce latency, enabling effective scalability without compromising network performance or security.
- **Interoperability:**
Equitichain enables seamless cross-chain trading and interactions through interoperability protocols and standards. Strategic partnerships with other blockchain ecosystems enhance liquidity, market access, and user experience, fostering a vibrant and interconnected blockchain ecosystem.

10.0.0.0.7. The EQT20 Token Standard Consensus

Equitichain network utilizes a novel consensus mechanism known as the EQT20 Token Standard Consensus Mechanism to secure its blockchain network and validate transactions. At the core of this mechanism are the node validators, which are responsible for ensuring the accuracy and integrity of the data being added to the blockchain.

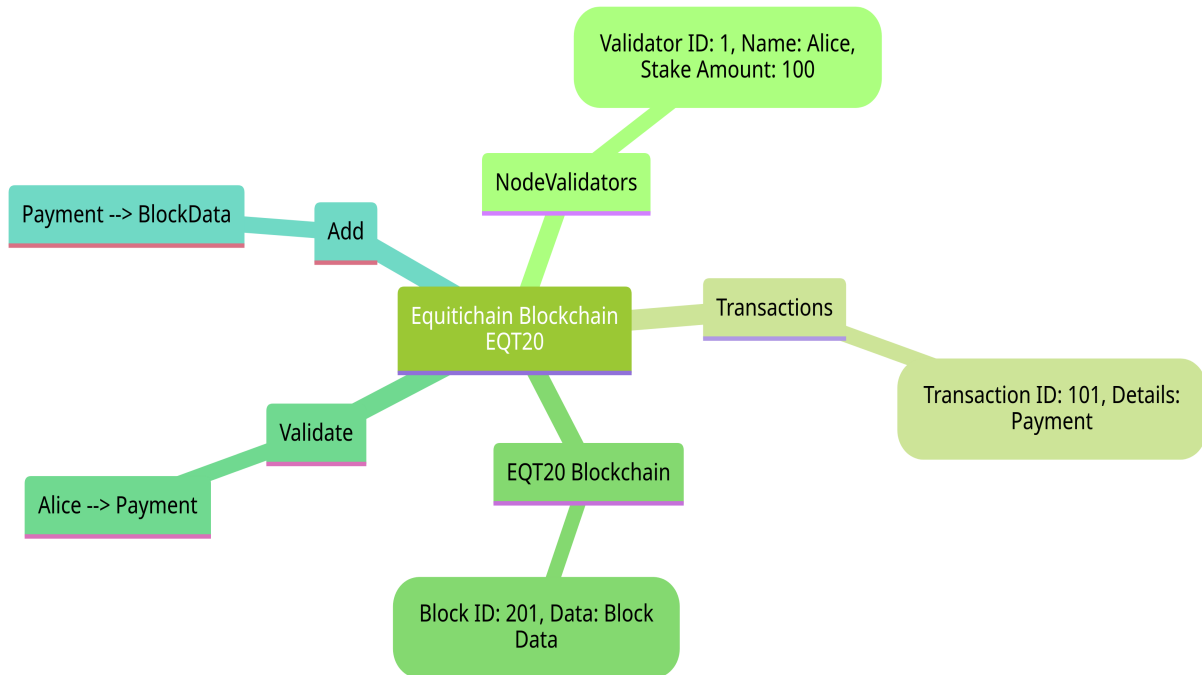
By visualizing the EQT20 Token Standard Consensus Mechanism through the below *diagrams*, the complex process of securing the Equitichain network and validating transactions becomes more comprehensible and structured.

FIG. 24.0



- **Node validators** on the Equitichain network are selected based on their stake in the platform's native token, EQT. By staking a certain amount of EQT tokens, validators can participate in the consensus process and contribute to maintaining the security and decentralization of the network. This staking mechanism not only incentivizes validators to act honestly but also ensures that the network is protected from malicious actors seeking to compromise its integrity.
- **Consensus on the** Equitichain network is achieved through a process that involves the node validators coming to an agreement on the validity of transactions and the order in which they are added to the blockchain. This agreement is reached through a combination of factors, including the staked amounts of validators, the unique cryptographic algorithms used by the network, and the overall consensus rules established by the protocol.
- **The EQT Consensus** Mechanism/Equitichain EQT20 Token Standard protocol in deployment is able to provide a secure, efficient, and decentralized network and DAPP platform for users to transact speedily and confidently interact with the blockchain. The synergy between node validators, staking mechanisms, and consensus protocols ensures that the network remains resilient against attacks and able to scale to meet the demands of a growing user base.

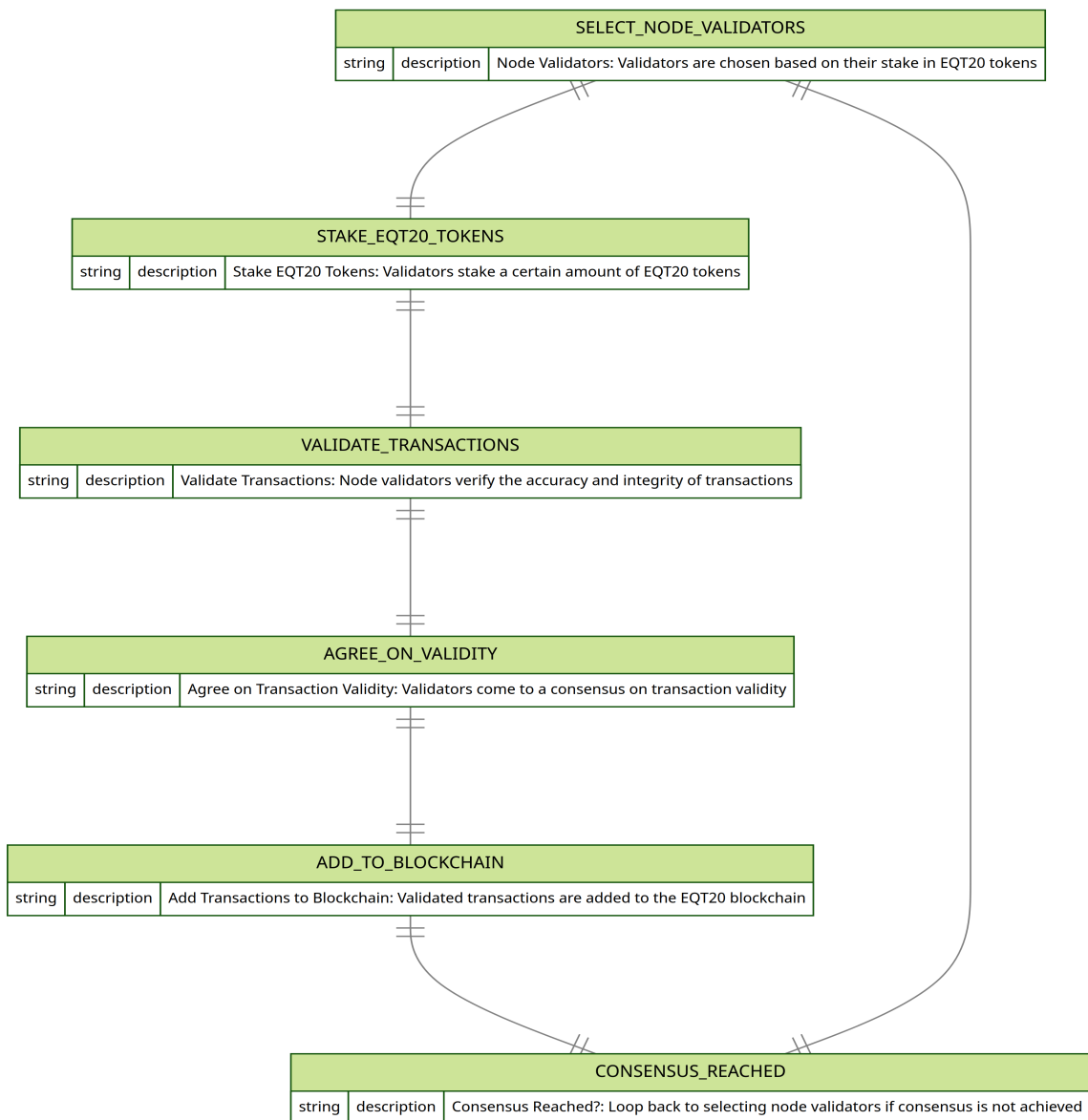
FIG. 25.0



- **Select Node Validators:** Node validators are chosen based on their stake in EQT tokens, determining their eligibility to participate in the consensus process.
- **Stake EQT Tokens:** Validators stake a certain amount of EQT tokens to contribute to network security and decentralization, incentivizing honest behavior and deterring malicious activities.
- **Validate Transactions:** Node validators verify the accuracy and integrity of transactions before they are added to the blockchain.

- **Agree on Transaction Validity:** Validators come to a consensus on the validity of transactions and the order in which they should be added to the blockchain.
- **Add Transactions to Blockchain:** Once consensus is reached, validated transactions are added to the blockchain for execution.
- **Consensus Reached:** The process loops back to selecting node validators if consensus is not achieved, ensuring the integrity of the network.

FIG. 26.0



11.0.0.0.0. EQT Initial Supply Tokenomics and Token Distribution

The tokenomics model for the Equitichain token (EQT20) takes into account the various token distributions and vesting details provided. It offers technical and financial benefits to investors, the Equitichain project, partners, and early adopters. Overall, the designed tokenomics model provides a solid foundation for the ICO/Presale campaign, ensuring fairness, stability, and long-term growth potential.

Equitichain's tokenomics, distribution, and release schedule are meticulously designed to foster a balanced and sustainable ecosystem. The combination of high block generation rate and transaction speed, predictable inflationary mechanism, and strategic token distribution underscores Equitichain's project team commitment to building a resilient blockchain network capable of driving the next wave of decentralized applications and financial services globally.

The Equitichain token (EQT20) tokenomics offers several benefits to various stakeholders as highlighted below:

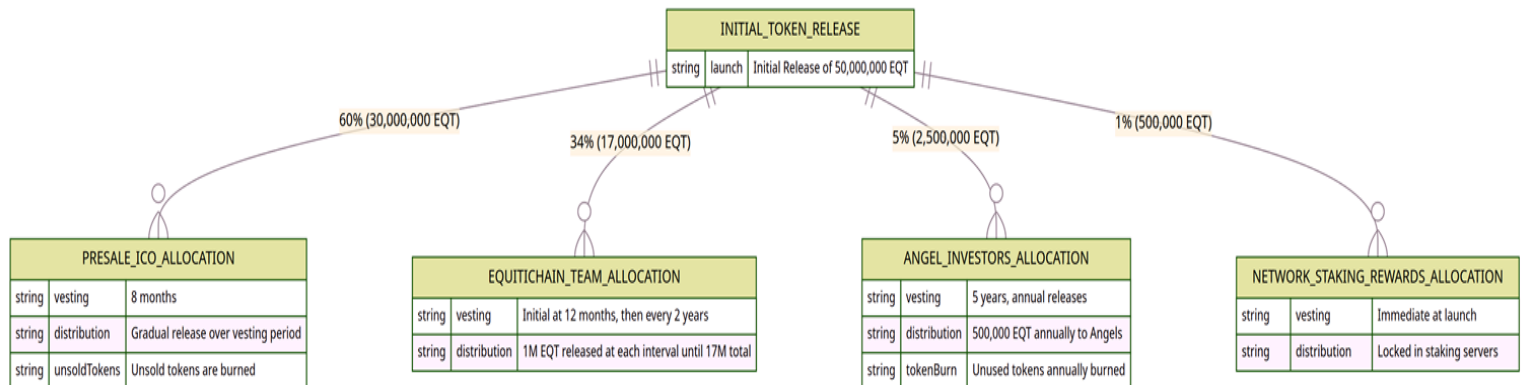
- **Investors:** The tokenomics model ensures a fair distribution of tokens and incentivizes long-term holding. The vesting periods for the project team and Angel investors promote stability and discourage short-term speculation and manipulation. The staking rewards provide an opportunity for investors to earn additional tokens by participating in the network.
- **Equitichain Project:** The tokenomics model supports the growth and development of the Equitichain project. The allocation of tokens to the project team ensures their long-term commitment and aligns their interests with the success of the project. The staking rewards incentivize network participation and contribute to the security and decentralization of the blockchain.
- **Equitichain Project Partners:** The tokenomics model offers benefits to Equitichain partners by enabling them to swap their assets to Equitichain tokens on the ecosystem commercial platform. This promotes liquidity and interoperability between different tokens and enhances the overall ecosystem.
- **Early Adopters :** Early adopters of Equitichain tokens (EQT20) will have the opportunity to participate in the ICO/Presale campaign and benefit from the potential value appreciation of the tokens over time. The vesting periods for Angel investors ensure that early adopters are rewarded for their long-term commitment and support.
- **Impact on ICO/Presale Campaign :** The designed tokenomics model is expected to have a positive impact on the ICO/Presale campaign for Equitichain. The structured release of tokens over time ensures a controlled supply and avoids market saturation. The vesting periods for the project team and Angel investors create a sense of trust and confidence among potential investors, as it demonstrates the long-term commitment of the team and aligns their interests with the success of the project. The staking rewards incentivize participation in the network and attract investors who are interested in earning additional tokens through staking.
- **Ecosystem Assets Swapping :** The ability for Equitichain partners to swap their assets to Equitichain tokens on the ecosystem commercial platform enhances the value proposition of the project and attracts a wider range of investors.

11.0.0.0.1. Tokenomics

❖ Initial Token Released at Launch

At the launch of Equitichain, an initial supply of 50,000,000 EQT tokens will be released into circulation. This initial supply distribution will be executed by the Equitichain smart contract and is categorized as follows:

FIG. 27.0



❖ Token Distribution/Allocation

- **Presale/Initial Coin Offering (ICO) Allocation - 60% of initial token supply :**

- **Vesting Period :** 8 months after the end of ICO/presale.
- **EQT Allocation Amount :** 30,000,000 EQT (60% of initial token supply).
- **Distribution :** Released to investors gradually over the vesting period.
- **Purpose :** Funding for project development and ecosystem growth.
- **Impact :** Ensures a fair distribution to early investors, promotes project stability and development.
- **Unsold/Unsubscribed tokens :** All unsold tokens allocated to ICO/Presale will be destroyed via token burn.

- **Equitichain Team Allocation - 34% of Initial Tokens Supply :**

- **Vesting Period :** Initial release at 12 months, subsequent releases every 2 years.
- **EQT Allocation Amount :** 17,000,000 EQT (34% of initial token supply).
- **Distribution :** 1,000,000 EQT tokens will be released exactly 12 months after the completion of the ICO/Presale. Subsequently, 1,000,000 EQT tokens will be released every two (2) years to the team wallet until the total project team allocation of 17,000,000 EQT is exhausted.
- **Purpose :** Team incentives, ecosystem development, and support for asset swapping platform (for holders of USDSHARES (USDS) Token, CRYPTOSHARES Coin (SHARES), and HERENCIA Coin (HEIRS) to swap their assets to Equitichain tokens (EQT) at anytime on the EQT20 DApp platform.
- **Impact :** Ensures long-term commitment from the project team, supports ecosystem growth and development.

- **Angel Investors Allocation - 5% of Initial Tokens Supply :**

- **Vesting Period :** 5 years, with annual releases.
- **EQT Allocation Amount :** 2,500,000 EQT (5% of initial token supply).
- **Distribution :** 500,000 EQT released annually to participating Angel investors.
- **Purpose :** Attracting strategic investors, providing ongoing support for project growth.
- **Impact :** Builds investor confidence, promotes long-term commitment and stability.
- **Vesting Execution & Token Burn :** The vesting will be automatically executed by the Equitichain vesting smart contract. In the event that there are no Angel investors in a given year to subscribe and claim, the released tokens will be automatically destroyed by token burn contract.

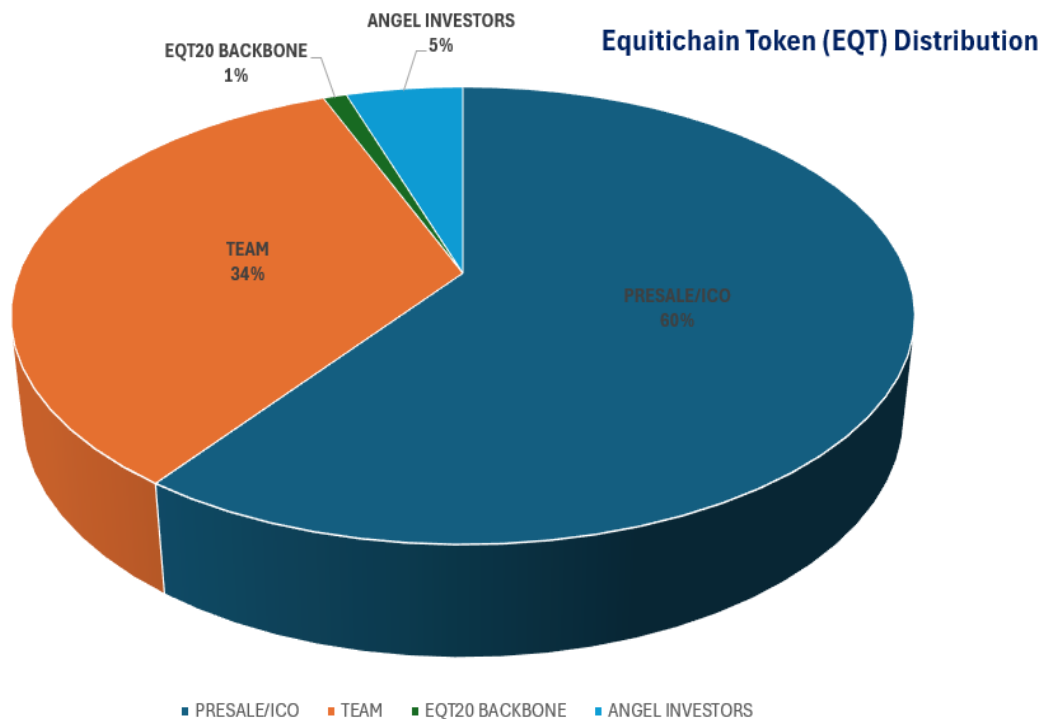
- **Network Staking/Block validation Rewards Allocation - 1% of Initial Tokens Supply :**

- **Vesting Period :** Immediate release at launch.
- **EQT Allocation Amount :** 500,000 EQT (1% of initial token supply).
- **Distribution :** Locked in staking servers to support network transaction confirmation.
- **Purpose :** Backbone support for EQT20 blockchain staking network.
- **Impact :** Enhances network security and stability, encourages staking participation.

- **Total Annual Staking Rewards:**

- **Vesting Period :** Released annually, recurring till total supply is exhausted.
- **Total Staking Rewards :** 3153.6 EQT per annum
- **Distribution :** Split parts/tranches of 8.64 EQT daily over 365 days
- **Purpose :** Incentivizing network participation, rewarding stakers for securing the blockchain
- **Impact :** Encourages staking, enhances network security and decentralization

FIG. 28.0



11.0.0.2. Tokenomics Impact Analysis

➤ **Block Time and Total Blocks Generated :**

The network showcases remarkable scalability advantages over existing standards like ERC20, BEP20, and TRC20, with a block time of 50 blocks per second, Equitichain generates a total of 4,320,000 blocks per day and 1,576,800,000 blocks per annum. This results in an Annual Token Release of 3153.6 EQT, promoting a healthy ecosystem and incentivizing stakers. The high block generation rate ensures fast transaction confirmations and enables rapid throughput within the Equitichain blockchain network.

➤ **Annual Token Releases due to Staking :**

The annual token releases due to staking and rewarded to stakers amount to 3153.6 EQT. This issuance is designed to incentivize network participation, validate transactions, and secure the Equitichain blockchain. Stakers receive rewards in the form of EQT tokens for contributing to the security and operation of the network through staking.

➤ **Tokenomics and Inflation Rate :**

The annual token releases due to staking contribute to the inflation rate of EQT tokens. With an issuance of 3153.6 EQT annually, this represents a predictable and controlled inflationary mechanism designed to maintain network security and incentivize participation. Stakers receive rewards proportional to their stake, encouraging long-term holding and network engagement.

➤ **Initial Token Distribution :**

The initial token distribution at launch reflects a strategic allocation of EQT tokens to various stakeholders. The presale/ICO, equitichain team, and angel investors receive significant portions of the initial token supply, providing funding, incentives, and liquidity to support the development and growth of the Equitichain ecosystem.

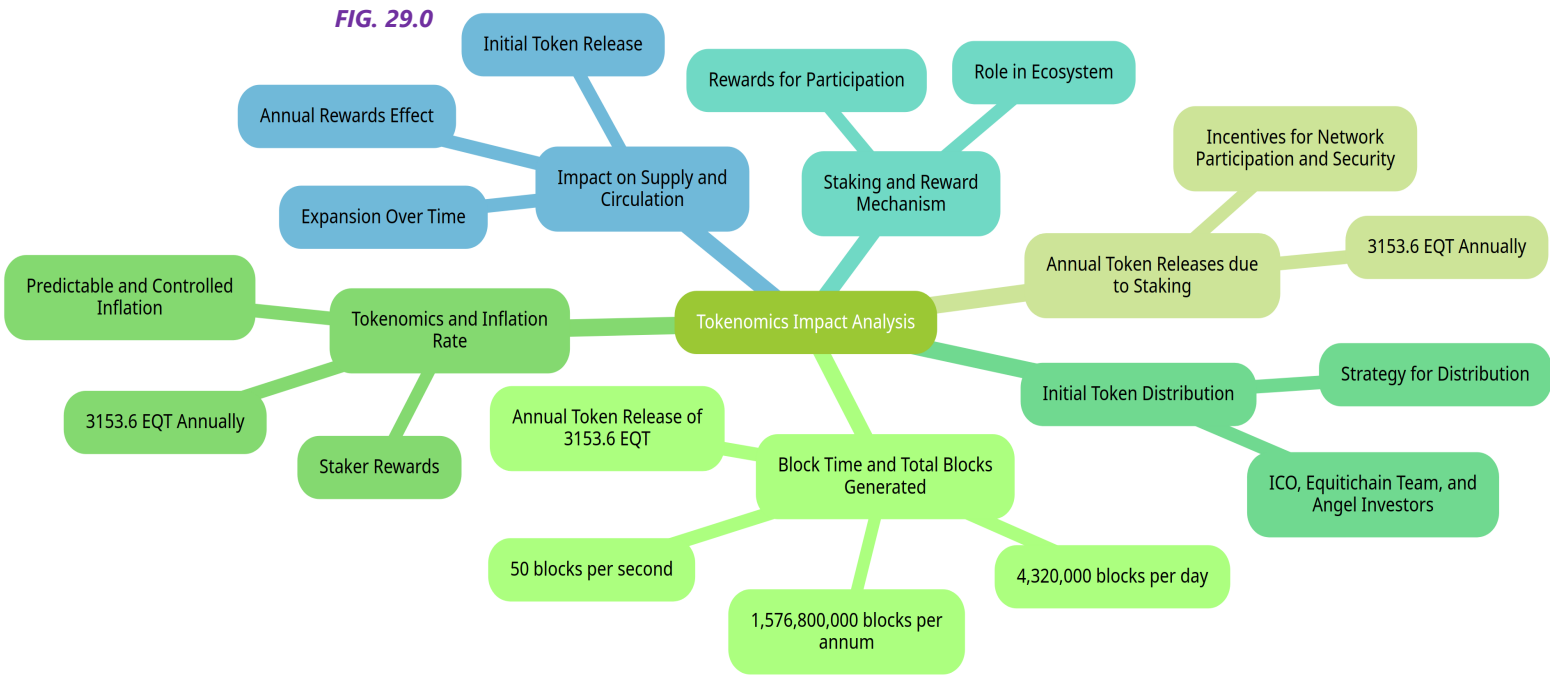
➤ **Staking and Reward Mechanism :**

The annual token releases due to staking play a crucial role in the Equitichain ecosystem by incentivizing network participants to stake their tokens, validate transactions and actively contribute to network security and operation. Stakers receive rewards for their participation, aligning their interests with the long-term success and sustainability of the Equitichain network.

➤ **Impact on Supply and Circulation :**

The initial token release and annual staking rewards influence the circulating supply and liquidity of EQT tokens. As stakers earn rewards and additional tokens are released into circulation, the total supply of EQT tokens increases over time. This gradual expansion of the token supply aims to balance inflationary pressures with network growth and adoption, ensuring a stable and sustainable ecosystem for all participants.

FIG. 29.0



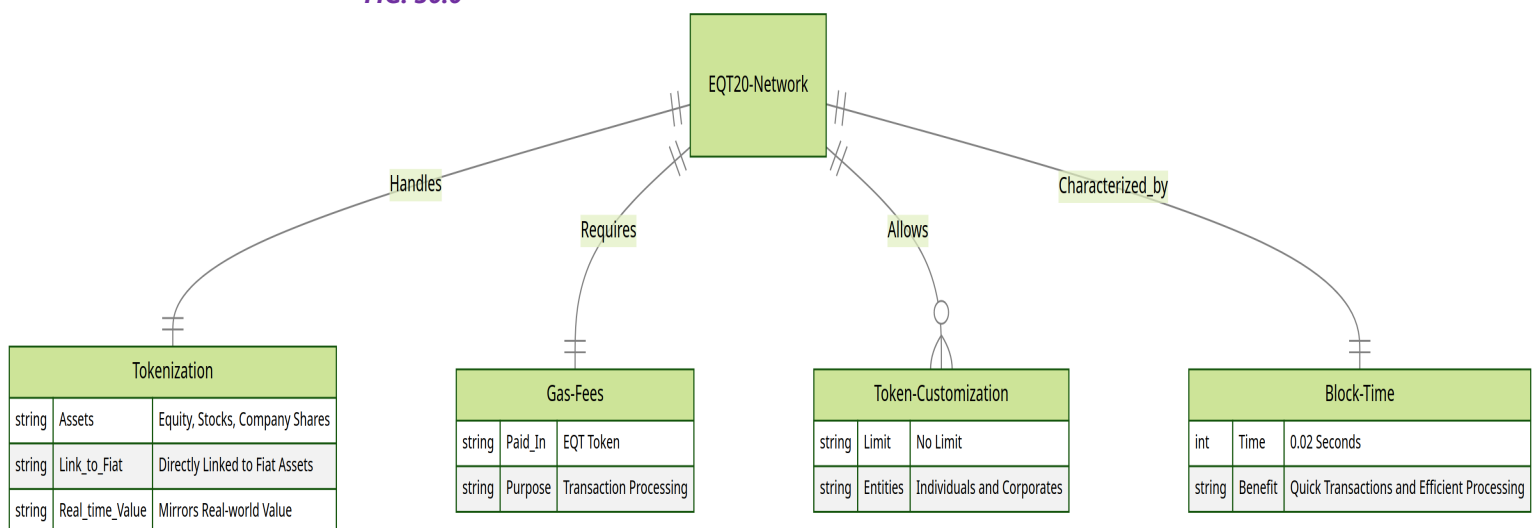
12.0.0.0.0. EQT20 Blockchain Overview

The EQT20 is a novel blockchain token standard introduced by the Equitichain development team in 2024. It is specifically designed to facilitate the creation and launch of decentralized applications (DApps) on its blockchain with a focus on tokenizing equity, stocks, and company shares.

12.0.0.0.1. Key Features of the Blockchain

- **Tokenization of Equity:**
EQT20 allows projects to tokenize equity, stocks, and company shares on its blockchain. These tokenized assets are directly linked to the physical fiat version of the assets, ensuring real-time value representation and equal backing.
- **Real-time Asset Value:**
Each token created on the EQT20 network mirrors the value of the corresponding stock traded on traditional stock exchanges in fiat currency. This ensures that the tokenized assets maintain parity with their real-world counterparts.
- **Gas Fees in EQT:**
Gas fees, which are incurred for transaction processing on the EQT20 network, are paid using the Equitichain Token (EQT) . This creates intrinsic value for the EQT token within the ecosystem and incentivizes its usage for network operations.
- **Customizability:**
There is no limit to the number of customized EQT20 tokens that can be created by individuals and corporate entities on the network. This flexibility allows for a wide range of assets to be tokenized using the EQT20 standard, thereby promoting inclusivity and diversity within the ecosystem.
- **Fast Block Time:** The EQT20 network boasts a rapid block time of 0.02 seconds(50 blocks per second), ensuring quick transaction confirmations and efficient processing of DApps. This feature enhances the overall user experience and scalability of the network.

FIG. 30.0



12.0.0.0.2. Equitichain SWOT Analysis, Integration and Mitigation

12.0.0.0.2.1. Strengths

➤ Strengths Analysis:

1. Innovative Use Cases: Equitichain offers a diverse range of use cases, including asset tokenization, automated compliance, global accessibility, and peer-to-peer trading, which cater to the evolving needs of the financial market.

2. Projected Community Growth: The network is anticipated to experience significant community growth, attracting various user segments, including individual investors, institutional traders, and liquidity providers, contributing to its network effect and user engagement.

3. Major Stock Exchanges Integration: Equitichain's integration with major stock exchanges facilitates real-time pricing data fetching for listed assets, ensuring price parity and market efficiency, thus providing users with accurate information for informed trading decisions.

4. Attractiveness to Liquidity Providers: Equitichain's unique approach to stock trading and asset tokenization makes it an appealing platform for liquidity providers, offering rewards for providing liquidity, which could incentivize their participation and contribute to the platform's liquidity pool.

✓ Strengths Integration:

The project will leverage Equitichain's innovative use cases, projected community growth, major stock exchange integration, and attractiveness to liquidity providers to drive adoption and market penetration.

12.0.0.0.2.2. Weaknesses

➤ Weaknesses Analysis:

1. Competition with Established Players: Equitichain faces competition from established blockchain networks like Ethereum and Binance Smart Chain, which have already gained market traction and possess significant network effects, potentially posing challenges to Equitichain's market penetration.

2. Regulatory Uncertainty: Despite the potential benefits of blockchain technology, regulatory frameworks surrounding decentralized finance and asset tokenization are still evolving, which could pose regulatory risks and uncertainties for Equitichain's operations, hindering its growth prospects.

✓ Weaknesses Mitigation:

The Equitichain project team will technical and comprehensively address competition with established players and regulatory uncertainty through proactive marketing efforts and regulatory compliance initiatives.

12.0.0.0.2.3. Opportunities

➤ Opportunities Analysis:

1. Growing Market Trends: The increasing interest in asset tokenization and blockchain-based solutions across various sectors presents significant growth opportunities for Equitichain, enabling it to capitalize on the rising demand for decentralized finance solutions and innovative financial products and services.

2. Integration into Traditional Financial Systems: As regulatory frameworks evolve to accommodate blockchain technologies, Equitichain stands to benefit from increased adoption and integration into traditional financial systems, thereby expanding its market reach and user base.

✓ Opportunities Integration:

The project team will capitalize on growing market trends, such as asset tokenization and blockchain-based solutions, by positioning Equitichain as a leading player in the industry and integrating into traditional financial systems.

12.0.0.0.2.4. Threats

➤ **Threats Analysis:**

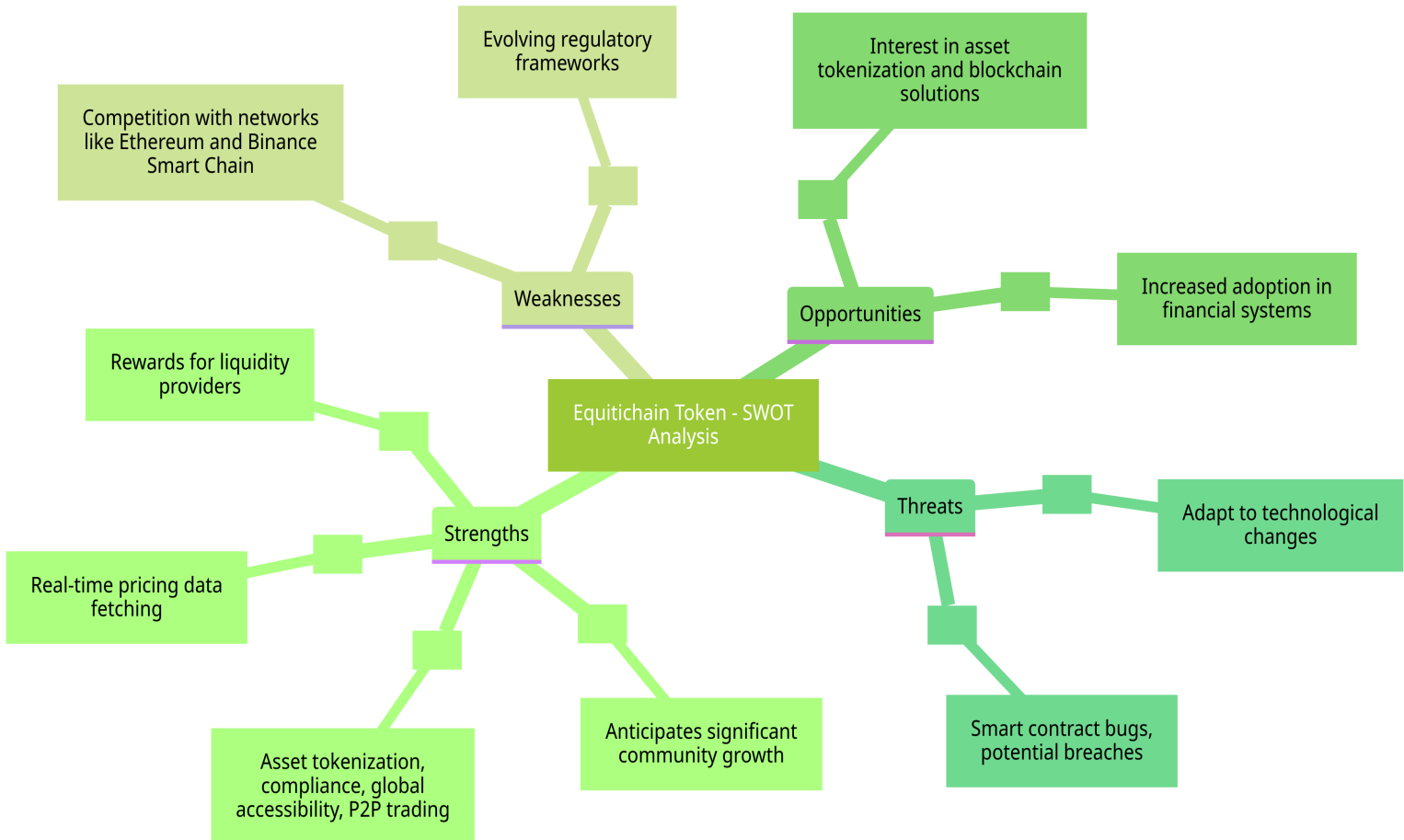
1. Technological Risks: Rapid technological advancements and emerging innovations in the blockchain space pose threats to Equitichain's market competitiveness, as failure to adapt to technological changes could result in the platform becoming obsolete or losing its competitive edge.

2. Security Concerns: The decentralized nature of blockchain technology introduces security vulnerabilities, such as smart contract bugs and potential security breaches, which could undermine user trust and confidence in Equitichain's platform, leading to reputational damage and loss of market share.

✓ **Threats Mitigation:**

The Equitichain project team will diligently mitigate technological risks and security concerns by prioritizing technological advancements, security measures, and user education to build trust and confidence in Equitichain's platform.

FIG. 31.0



13.0.0.0.0. Equitichain Token Projected User-base Growth

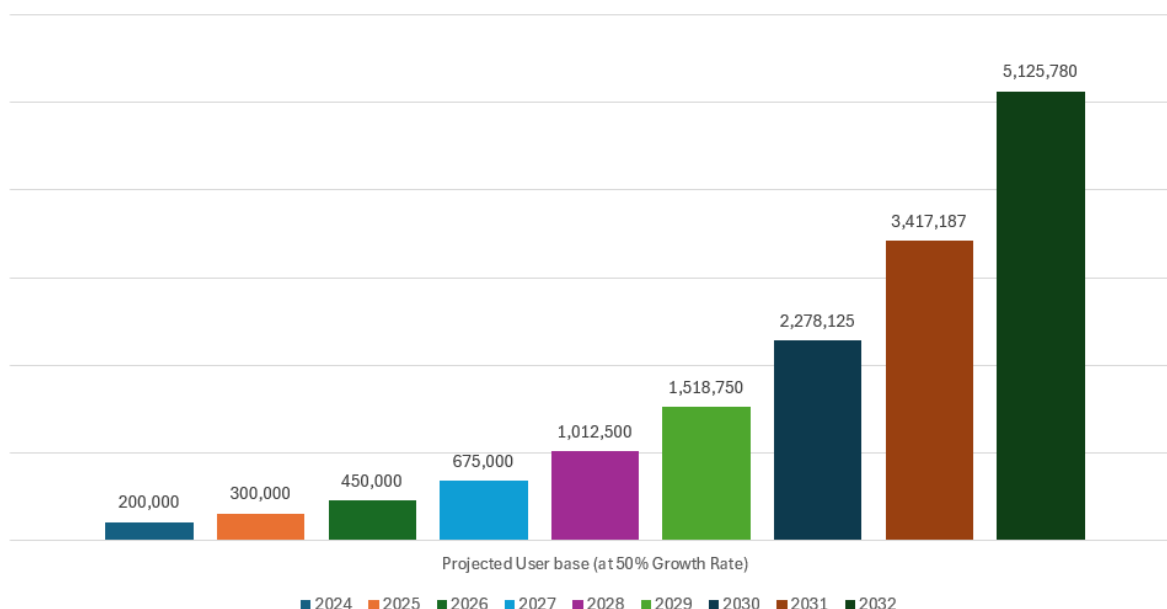
Equitichain Token (EQT) is projected to experience significant community growth, with a target of 500,000 users between Q3, 2024 to end of Q4,2025, then subsequently maintain an annual growth rate projection of 70% which team hope to sustain till a target userbase of 5,000,000 goal is achieved. The platform is expected to attract a diverse range of users, including individual investors, institutional traders, and liquidity providers. This growth will be driven by the unique value proposition of Equitichain, which offers a secure and efficient platform for trading both traditional equities and tokenized assets.

13.0.0.0.1. EQT Userbase Growth Projections:

- Initial user base (at project launch in Q4 2024 - Q4 2025): 200,000
- Target user base: 5,000,000
- Annual growth rate: 50%

FIG. 32.0

Equitichain Token Global Adoption Projected Growth Rate



By implementing the strategies below and projecting the unique use cases as a centerpiece of the project, the Equitichain token goal of reaching a user base of 5,000,000 by year 2032 can be successfully achieved. Much more importantly and to achieve this growth, Equitichain Token project team will focus on several strategies, including:

1. Marketing Campaigns:

Implement targeted marketing campaigns to attract individual investors, institutional traders, and liquidity providers. Project team will highlight the platform's unique value proposition, emphasizing its secure and efficient platform for trading both traditional equities and tokenized assets.

2. User Education:

Provide educational resources and workshops to empower users with the knowledge and skills to navigate and utilize the various Equitichain platforms effectively.

3. Partnerships:

Forge strategic partnerships with other blockchain projects, financial institutions, insurance, chambers of commerce, securities and exchange commissions of various countries and regulatory bodies to expand the platform's ecosystem and enhance credibility.

4. Continuous Innovation:

Continuously innovate and improve the platform to meet the evolving needs of the market and maintain a competitive edge.



14.0.0.0.0. EQT Total Supply Tokenomics

14.0.0.0.1. Token Allocation

1. Initial Token Release:

- Initial Equitichain tokens released in the first year-2024: 50,000,000 EQT
- Additional tokens minted and released into circulation annually : 3153.6 EQT via blockchain staking: 3153.6 EQT tokens per annum.

2. Token Allocation:

- **Total Token Ever Supply = 300,000,000 EQT**
- **Team** : 5.7% (17,000,000)
- **Presale and ICO** : 10% (30,000,000)
- **Angel Investors** : 0.83% (2,500,000)
- **Network Backbone** : 0.17% (500,000)
- **Staking Mint Rewards** : 83.3% (250,000,000 EQT)

FIG. 33.0

EQT TOKENOMICS - ALLOCATION

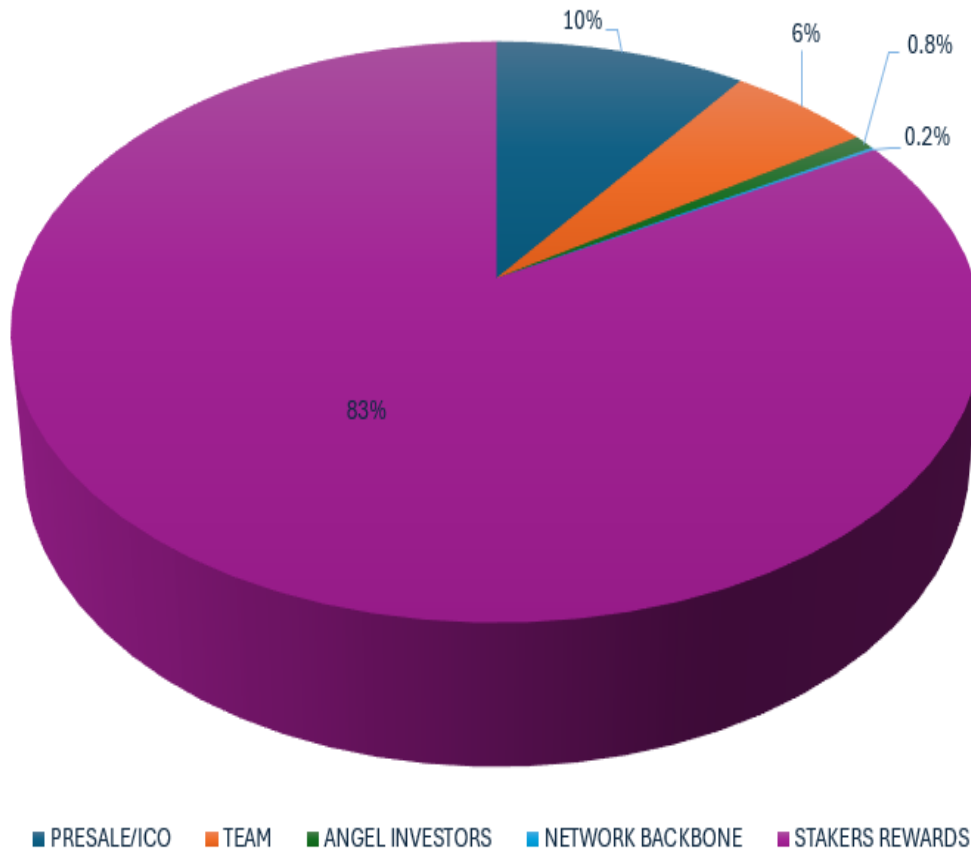
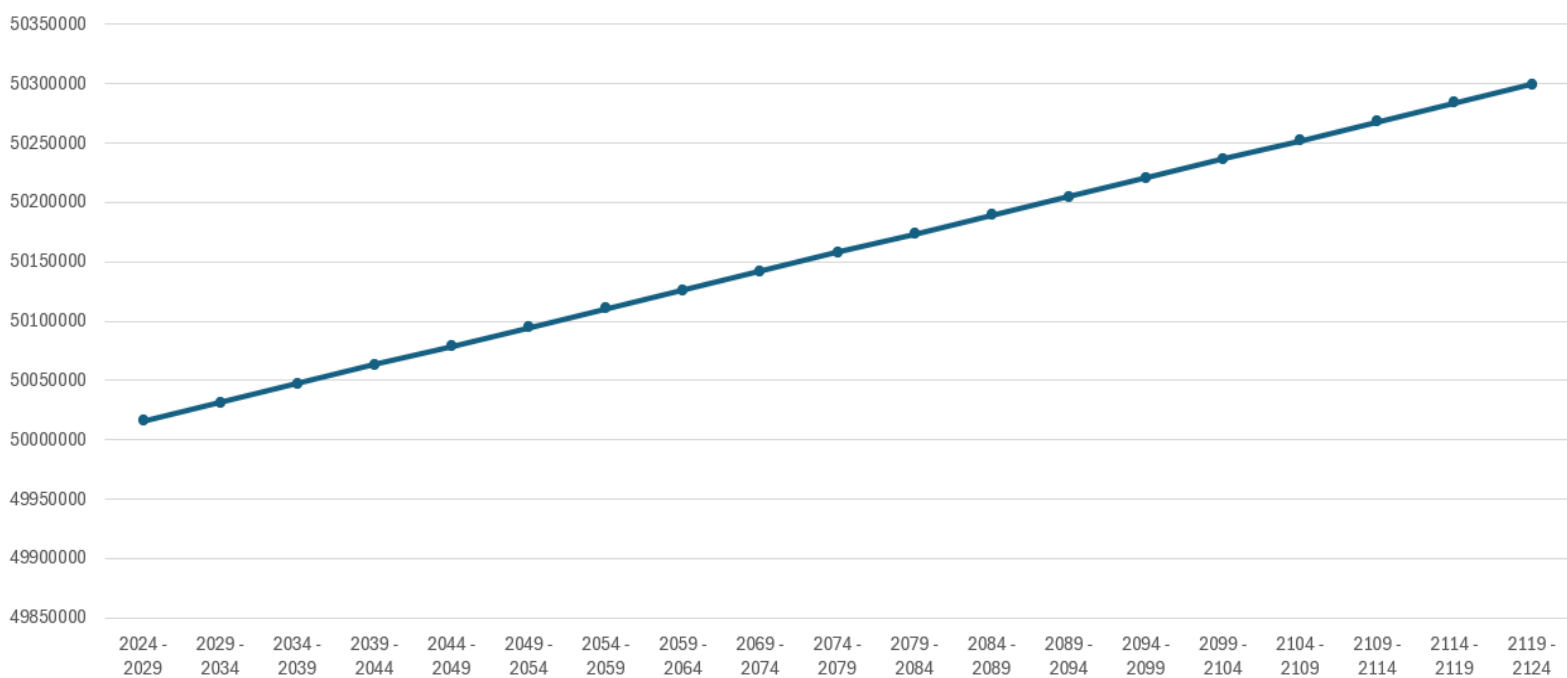


FIG. 34.0

Range in Years	EQT Token Circulation	Userbase Projected Growth
2024 - 2029	50015768	1012500.00
2029 - 2034	50031536	7688670.00
2034 - 2039	50047304	26910345.00
2039 - 2044	50063072	30946896.75
2044 - 2049	50078840	35588931.26
2049 - 2054	50094608	40927270.95
2054 - 2059	50110376	47066361.59
2059 - 2064	50126144	54126315.83
2069 - 2074	50141912	62245263.21
2074 - 2079	50157680	71582052.69
2079 - 2084	50173448	82319360.59
2084 - 2089	50189216	94667264.68
2089 - 2094	50204984	108867354.39
2094 - 2099	50220752	125197457.54
2099 - 2104	50236520	143977076.17
2104 - 2109	50252288	165573637.60
2109 - 2114	50268056	190409683.24
2114 - 2119	50283824	218971135.73
2119 - 2124	50299592	251816806.09

FIG. 35.0

EQT Token Emission - 100 Yrs Span



15.0.0.0.0. MINTRAX EXCHANGE

The Equitichain Equity/Stock Tokenization Platform, known as **Mintrax Exchange**, is a revolutionary stock and equity trading exchange within the Equitichain network. This platform is meticulously crafted to facilitate the tokenization of corporate organizations and start-ups' equity, transforming traditional ownership rights into digitized assets. The default currency of the exchange is Equiti Token(EQT20 Token Standard).

The Equitichain Equity/Stock Tokenization Platform, represented by Mintrax Exchange, is a pioneering initiative that reimagines equity trading through blockchain technology. By offering a secure, efficient, and transparent environment, this platform sets a new standard for equity tokenization exchanges, unlocking a world of opportunities for market participants.

15.0.0.0.1. Introduction:

Equity tokenization, propelled by blockchain technology, is redefining how ownership rights are digitized and traded. The Equitichain - Mintrax equity tokenization exchange stands at the forefront of this transformation, offering unparalleled liquidity, broader market access, and fractional ownership possibilities. By leveraging blockchain's immutable and transparent nature, this platform ensures a secure and efficient environment for trading digitized ownership rights.

The primary objective of the Mintrax Exchange is to introduce a dedicated equity trading platform tailored for equity tokenization. This whitepaper serves as a foundational document outlining the vision and functionality of the MINTRAX Exchange. It aims to bridge the gap between traditional ownership structures and the innovative world of blockchain-based equity trading.

15.0.0.0.2. Equitichain Equity Tokenization and its Benefits

Equitichain equity tokenization refers to the process of converting traditional ownership rights, such as shares or securities, into digital tokens that can be securely traded on the Equitichain blockchain platform/network. This process offers numerous benefits, including increased liquidity, fractional ownership opportunities, global accessibility, ease of transfer, and enhanced transparency. These benefits are made possible through the use of blockchain technology, which provides a decentralized and immutable ledger for recording ownership and transaction details.

15.0.0.0.3. Advantages of Mintrax Equity Trading Exchange

The Mintrax Equity Trading Exchange is a platform that facilitates the trading of tokenized assets. It offers several advantages over traditional equity trading. These advantages include:

- **Increased Liquidity:** Tokenized assets can be traded more easily and efficiently, leading to increased liquidity in the market. This is because tokenization allows for fractional ownership, enabling smaller investors to participate in the market and increasing the overall trading volume.
- **Fractional Ownership Opportunities:** Tokenization allows for the division of assets into smaller units, enabling fractional ownership. This opens up investment opportunities to a wider range of investors who may not have had access to traditional equity markets.
- **Global Accessibility:** The Mintrax Equity Trading Exchange operates on a blockchain network, which is accessible to anyone with an internet connection. This global accessibility allows investors from around the world to participate in the market, increasing market efficiency and potential returns.
- **Ease of Transfer:** Tokenized assets can be transferred quickly and securely on the blockchain. This eliminates the need for intermediaries and reduces settlement times, making the trading process more efficient and cost-effective.
- **Enhanced Transparency:** The use of blockchain technology ensures transparency in the trading process. All transactions are recorded on the blockchain, providing a transparent and auditable history of ownership and transaction details. This transparency increases trust and confidence in the market.

15.0.0.0.4. The Need for Mintrax Equity Trading Exchange

Traditional equity trading has several limitations, including the involvement of intermediaries, lengthy settlement times, limited market access, and lack of transparency. The Mintrax Equity Trading Exchange addresses these limitations by providing a secure and efficient platform for trading tokenized assets.

An equity trading exchange plays a crucial role in tokenized markets by providing features such as global order matching, global price discovery, aggregated global liquidity provision, improved transparency and efficiency. It should serve as a marketplace where buyers and sellers can come together to trade tokenized assets or stocks globally.

To meet the needs of the global equity trading market, the Mintrax Equity Trading Exchange on the Equitichain network will have the following core features and functionalities. These include global trading interfaces, global order books, decentralized global market makers, and regulatory compliance mechanisms. These features ensure a seamless and compliant trading experience for market participants regardless of location.

15.0.0.0.5. Design and Architecture of the Mintrax Equity Trading Exchange

The design and architecture of the Mintrax Equity Trading Exchange consist of various components that work together to facilitate the trading of tokenized assets.

- **Trading Engine:** The trading engine is the core component of the exchange. It handles global order matching, global price discovery, and global trade execution. The trading engine ensures that buy and sell orders are matched efficiently and fairly.
- **User Interface:** The user interface provides a user-friendly platform for market participants to interact with the exchange. It allows users to place orders, view market data, and manage their accounts.
- **Wallet Integration:** Wallet integration enables users to securely store and manage their tokenized assets. It allows for seamless transfer of assets between the exchange and users' wallets.

15.0.0.0.6. Mintrax Smart Contract Functionality:

Smart contracts are self-executing contracts with the terms of the agreement directly written into code. They automate the execution of trades and ensure that transactions are carried out according to predefined rules and conditions.

15.0.0.0.7. Blockchain Integration: The integration of blockchain technology ensures transparency, immutability, and security in the trading process. Different blockchain options can be considered for an equity trading exchange, depending on factors such as scalability, speed, and consensus mechanism.

15.0.0.0.8. Security and Regulatory Compliance: Maintaining robust security measures and adhering to regulatory requirements are crucial for an equity trading exchange. Best practices, KYC/AML procedures, and compliance mechanisms should be implemented to protect market participants and ensure a secure trading environment.

15.0.0.0.9. Trading Process and Functionality

The trading process on the Mintrax Equity Trading Exchange involves several steps and functionalities.

- **User Registration and KYC/AML Verification:** To ensure a compliant and secure trading environment, users are required to register and undergo KYC/AML verification. This process verifies the identity of users and helps prevent fraudulent activities.
- **Token Issuance and Primary Market Trading:** Tokenized assets are issued on the exchange, and primary market trading takes place. This involves the initial sale of tokenized assets to investors. The exchange facilitates the issuance and distribution of these assets.

- **Secondary Market Trading and Liquidity Provision:** After the primary market trading, tokenized assets can be traded on the secondary market. The exchange provides features such as an order matching engine, trading pairs, and market-making strategies to ensure liquidity provision and efficient trading.
- **Order Matching and Settlement Mechanisms:** Efficient and transparent order matching and settlement processes are essential for an equity trading exchange. Different approaches and technologies can be used to achieve this, such as centralized order matching or decentralized order books.

FIG. 36.0



15.0.0.1.0. Market Adoption and Potential Challenges:

The adoption of an equity trading exchange for tokenized assets may face challenges.

- **Onboarding** traditional asset owners onto the exchange can be a challenge, as they may be unfamiliar with the concept of tokenization. Strategies and incentives should be implemented to encourage participation from traditional market participants.
- **Navigating the regulatory environment** is critical for the success and legitimacy of an Mintrax equity trading exchange.
- **Compliance** with regulatory requirements and the establishment of transparent governance structures are essential.
- **Education** and awareness initiatives should be undertaken to educate market participants about the benefits and mechanics of Equitichain equity tokenization blockchain and the Mintrax equity trading exchange.

15.0.0.1.1. Market Policy Statement for Equitichain Mintrax Equity Tokenization Exchange:

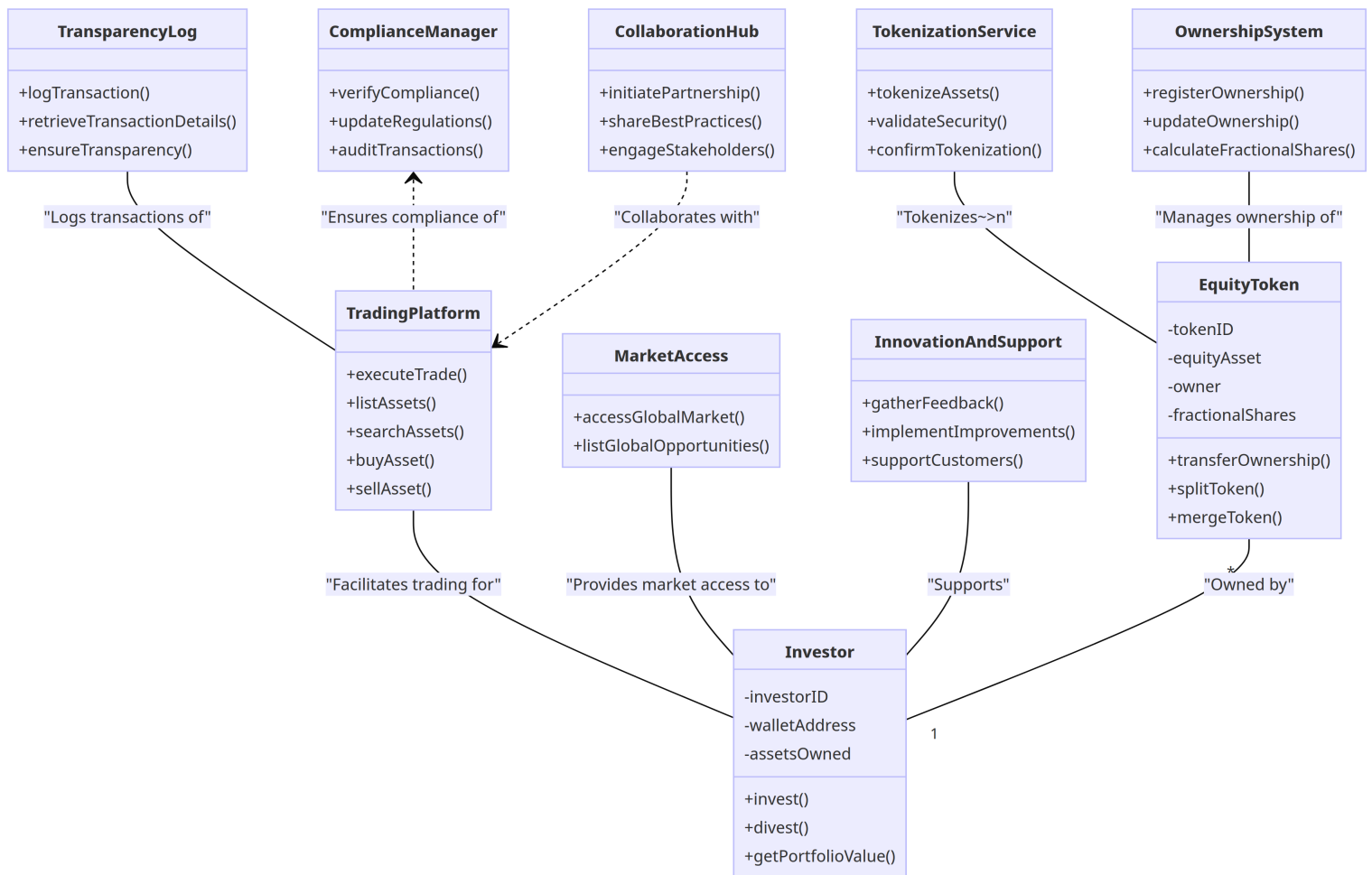
Mintrax is committed to revolutionizing the equity trading landscape through its innovative Equity Tokenization Exchange. This market policy statement outlines our dedication to providing a secure, efficient, and transparent platform for equity trading. At Equitichain Mintrax Equity Tokenization Exchange, we are committed to revolutionizing the equity market through secure tokenization, efficient trading, and unwavering transparency. Our platform leverages blockchain technology to enable fractional ownership, broaden market access, and deliver unparalleled value to investors. We prioritize regulatory compliance, foster industry collaborations, and drive innovation to ensure customer satisfaction and trust. Join us in shaping the future of equity tokenization with Equitichain Mintrax. Tokenization and trading exchange on Equitichain blockchain as personified by Mintrax exchange, is poised to revolutionize the equity trading landscape through through the cutting edge revolutionary technology implemented on our Equity Tokenization platform.

15.0.0.1.2. Key Features of Mintrax Exchange:

- **Secure Tokenization:** Mintrax ensures the secure tokenization of equity assets, providing investors with peace of mind and confidence in their investments.
- **Efficient Trading:** Our platform facilitates seamless and efficient trading, allowing investors to buy and sell corporate equity tokens and stocks with ease.
- **Transparency:** We prioritize transparency in all transactions, providing investors with comprehensive information to make informed decisions.

- **Fractional Ownership:** Equity tokenization enables fractional ownership, allowing investors to diversify their portfolios and access previously inaccessible markets.
- **Broader Market Access:** Through Equitichain network and blockchain technology, Mintrax exchange offers investors broader market access, unlocking opportunities globally for growth and expansion.
- **Regulatory Compliance:** Equitichain Mintrax is committed to regulatory compliance, adhering to all relevant laws and regulations governing equity trading unique to all operating jurisdiction. The platform prioritizes transparency and accountability to ensure a fair and secure trading environment for all investors.
- **Industry Collaboration:** We recognize the importance of collaboration within the industry to drive innovation and progress. Equitichain Mintrax exchange actively engages with industry partners to foster collaboration and drive the development of best practices in equity tokenization.
- **Commitment to Innovation and Customer Satisfaction:** Mintrax exchange is dedicated to continuous innovation and improvement to meet the evolving needs of our customers. We prioritize customer satisfaction, striving to provide an exceptional trading experience for all investors on our platform.

FIG. 37.0



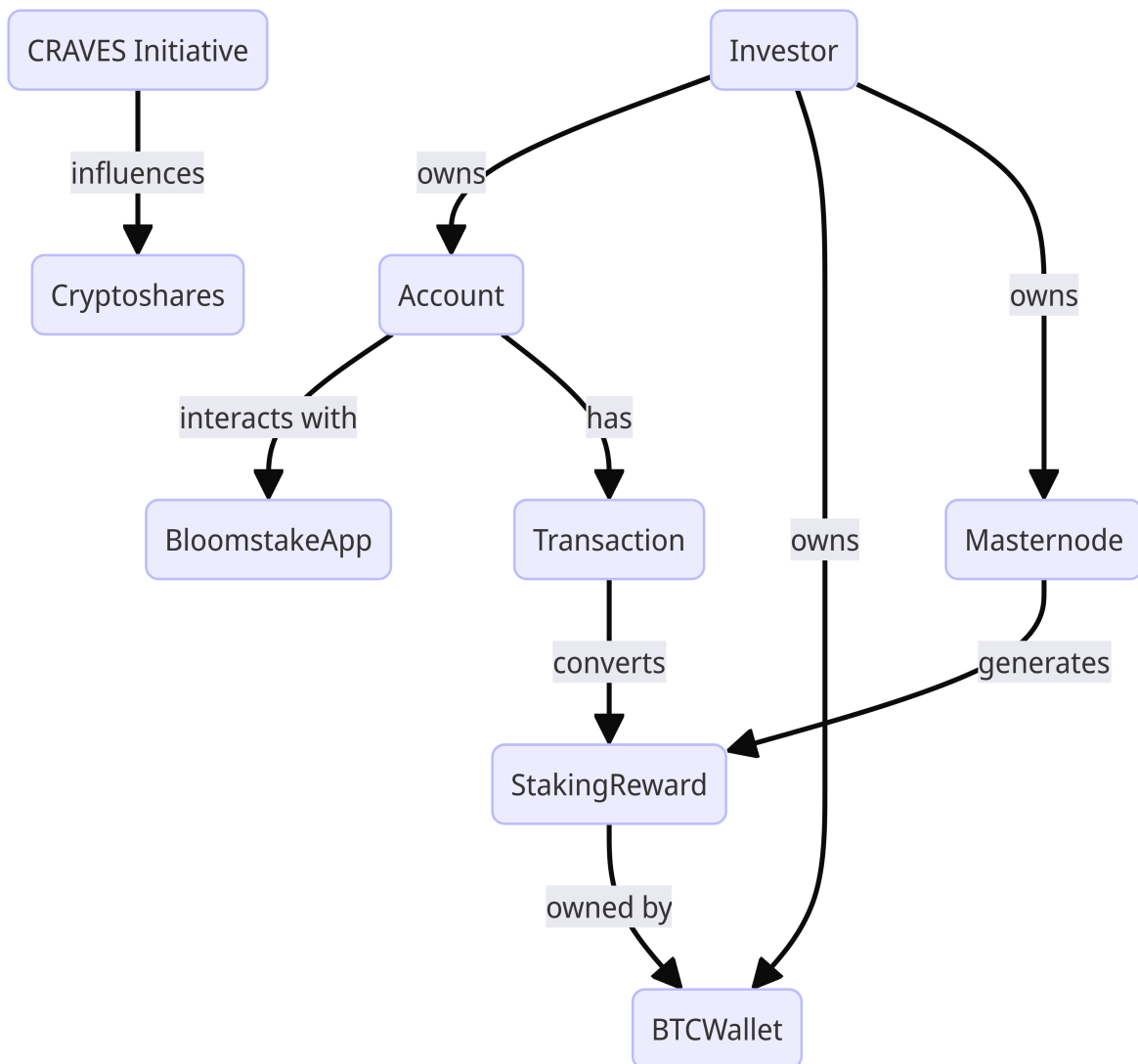
16.0.0.0.0. CRYPTOSHARES ASSETS AND VALUE ENHANCEMENT SUPPORT (CRAVES)

16.0.0.0.1. CRAVES initiatives Introduction

CRAVES is the bloomshares -Equitichain ecosystem's strategic program and liquidity backup scheme with a goal of developing liquidity for Cryptoshares (SHARES) coin while destroying emitted coins by coin burn in exchange for Bitcoin to achieve specific minimum price target for SHARES. This process is executed at the point of users withdrawal of accumulated of stakes/masternodes SHARES rewards on Bloomstake app. CRAVES comes with several potential benefits and advantages for investors and the project in general including increased market value, enhanced liquidity, improved investor confidence, direct auto-conversion opportunities, profit potential, long-term sustainability, enhanced platform usability, greater financial predictability, and a robust community ecosystem. These efforts are targeted to contribute to the overall growth and success of the Bloomshares-Equitichain projects, attracting more participants and expanding the reach and impact of the ecosystem.

The ultimate goal of CRAVES is to achieve a final maximum price target of \$40/SHARES within a 3 year period. The value will move from the minimum (300% of market price and volume over 24hrs period) gradually until the maximum price target of \$40 is attained and continuously sustained.

FIG. 38.0



16.0.0.0.2. CRAVES Technical Overview

CRAVES operates on the Bloomstake mobile staking app, where investors can onboard by depositing a full collateral of SHARES to earn staking and masternode rewards. The platform seamlessly converts generated rewards to BTC at a fixed conversion rate, starting at a minimum of 300% of prevailing 24hrs market price/volume tracked on Coingecko.

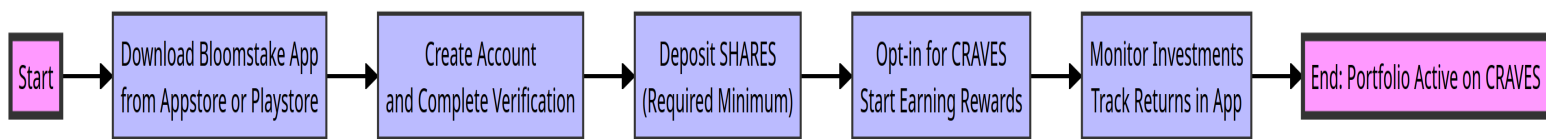
16.0.0.0.3. Unique Investment and Financial Benefits

One of the key highlights of CRAVES is that only the rewards from staking and masternodes are converted to BTC and credited to users BTC wallet on Bloomstake, not the masternode collateral. Investors have the flexibility to withdraw their masternode collateral in SHARES from the scheme at any time after an initial 72-hour investment period. This feature empowers investors with control over their assets while leveraging the potential for significant returns.

16.0.0.0.4. How to Onboard onto CRAVES on Bloomstake App:

Here is a step-by-step guide for investors to activate their investment portfolios on CRAVES:

FIG. 39.0



STEP 1. Download and Install the Bloomstake mobile staking app from your Appstore or Playstore.

STEP 2. Create an account and complete the necessary verification steps.

STEP 3. Deposit the required 500 SHARES minimum deposit of SHARES to participate in staking and shared masternode activities.

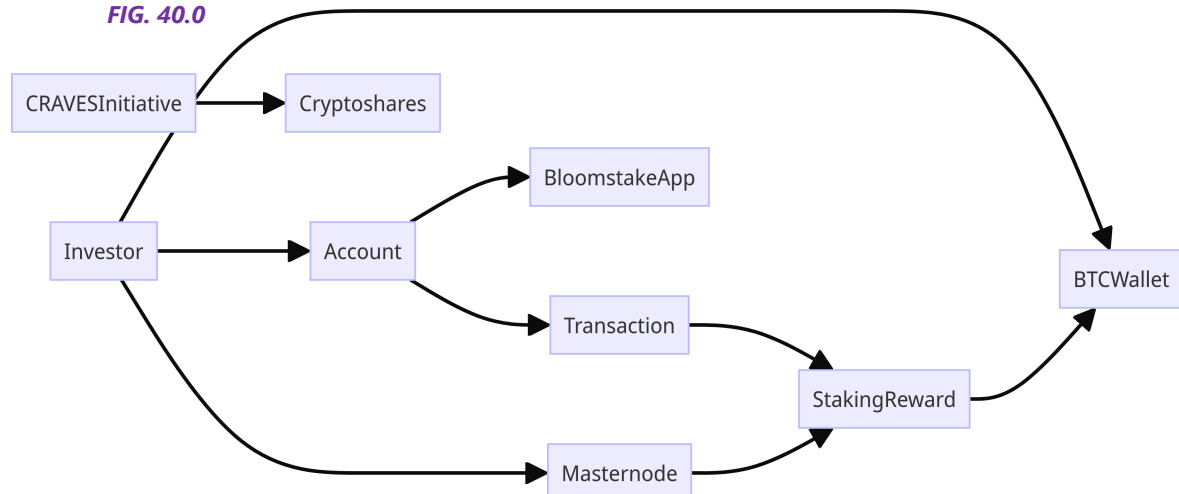
STEP 4. Start earning rewards, which will be automatically converted to BTC at fixed rates if you select the CRAVES option at the point of your investment cancellation or withdrawal.

STEP 5. Monitor your investments and track your returns conveniently within the app.

NOTE : There is no limit to the amount investors can deposit in the app provided it is not below the minimum acceptable deposit to participate in CRAVES, offering unparalleled potential for growth and profitability.

16.0.0.0.5. CRAVES Goals and Initiatives : This initiatives aims to significantly impact the Cryptoshares (SHARES) project by developing liquidity and enhancing its market value. The CRAVES final targeted price value of \$40 per SHARES, is to be achieved through continuous effort from the launch day of the CRAVES initiatives scheme to span over 3 years starting at launch with 300% price /SHARES. The goal is to achieve \$40/SHARES within the 3 years projection and sustain it as long as the project last or as re-evaluation of price stability is done and reassessment of SHARES positive global adoption is satisfied. This initiative also includes upgrades to Bloomstake platform functionalities, enabling holders to automatically convert their masternodes and staking rewards ONLY at this pegged value via a standing order. The main collateral is exempt from the CRAVES initiatives program, that is you cannot sell your masternode collateral nor any part of it on CRAVES.

FIG. 40.0



16.0.0.6. CRAVES - Projected Impact : CRAVES represents a comprehensive strategy by the Bloomshares team aimed at not just significantly increasing the market value of SHARES but also at enhancing the overall health of the flagship product of the project ecosystem. However, achieving these ambitious targets will require meticulous planning, continuous effort, and possibly overcoming considerable challenges related to market dynamics and investor sentiments.

Highlighted below are some of the projected impact CRAVES is expected to have on the SHARES project :

- **Increased Market Value:** By targeting a minimum price value of \$5 per SHARES reward generated from staking or masternode rewards on Bloomstake, the ecosystem aims to boost the market value of SHARES significantly. This could attract more investors and traders to the ecosystem, resulting in increased trading volumes.
- **Enhanced Liquidity:** Developing liquidity for the SHARES can improve its trading volume and liquidity in the market. This liquidity can provide investors with greater flexibility in swapping their rewards to bitcoin(BTC), reducing instances of price slippage and improving overall market stability.
- **Improved Investor Perception:** Achieving the projected pegged values for the coins will further strengthen investors confidence in the SHARES project. When investors perceives and see that the ecosystem is committed to maintaining a certain price floor, trust and confidence are instilled in the long-term viability of the projects.
- **Direct Selling of Masternodes and Staking Rewards:** Upgrading the Bloomstake platform to allow holders to swap their masternodes and staking rewards at the projected pegged value to BTC equivalent offers a unique advantage to investors. This feature will provide investors with a more direct and seamless way to realize profits from their investments.
- **Potential for Profit:** If the ecosystem successfully reaches the target price values for SHARES and HEIRS coins, investors who bought in at lower prices could potentially realize substantial profits. This potential for profit can incentivize more investors to participate in the ecosystem, further boosting liquidity and demand for the coins.
- **Long-Term Sustainability:** By setting clear objectives for price targets and liquidity development, the ecosystem demonstrates a commitment to the long-term sustainability of the projects. This focus on sustainability can attract more serious investors and contributors who are interested in supporting projects with clear goals and strategies.
- **Financial Predictability:** The ability to predict potential income from masternodes and staking with more certainty due to pegged values adds a layer of financial predictability not often found in the volatile crypto market.
- **Creation of a Robust Ecosystem:** The ecosystem's overall strengthening, through both liquidity development and price stability, fosters a healthier, more vibrant crypto community. This is expected to lead to increased adoption and innovation within the global cryptocurrency ecosystem.

17.0.0.0.0. Equitichain Ecosystem Marketing Strategy

17.0.0.0.1. Market Overview:

Equitichain operates in the rapidly growing blockchain and decentralized finance (DeFi) markets, which have witnessed exponential growth and adoption. The emergence of blockchain technology has transformed traditional financial systems by offering increased security, transparency, and efficiency, while DeFi has enabled the development of innovative financial products and services without intermediaries.

17.0.0.0.2. Competitive Analysis:

Equitichain positions itself as a cutting-edge blockchain network challenging major players like Ethereum and Binance Smart Chain. It distinguishes itself through unique approaches to tokenization and asset management, leveraging advanced technologies such as sharding and interoperability.

17.0.0.0.3. Target Market and Audience:

Equitichain targets corporate organizations, individuals, and governments looking to leverage blockchain for asset tokenization. Corporate organizations benefit from efficient asset management solutions, individuals diversify their investment portfolios, and governments enhance transparency and efficiency in public sector operations.

17.0.0.0.4. Adoption and Growth Potential:

Market trends show growing interest in asset tokenization and blockchain-based solutions across sectors. Equitichain's strategic positioning and focus on security and scalability make it a compelling choice for users. Regulatory evolution and emphasis on user experience and developer support enhance its adoption prospects.

17.0.0.0.5. Marketing Analysis:

Equitichain's marketing strategy aims to raise awareness, drive adoption, and establish itself as a leading industry player. It includes content marketing, social media engagement, influencer partnerships, partnership development, community building, events participation, developer outreach, user education, and regulatory compliance.

17.0.0.0.6. Market Penetration Goals:

Achieve a user base of 20,000 within the first year, secure partnerships with three major stock exchanges, and establish liquidity provider partnerships to ensure adequate liquidity.

17.0.0.0.7. Target Market Segments:

Equitichain targets corporate organizations, individual investors, and governments seeking blockchain-based asset tokenization solutions. Key demographics include high-net-worth individuals, asset managers, investment firms, cryptocurrency enthusiasts, and businesses seeking cross-border payment solutions.

17.0.0.0.8. Detailed Marketing Strategy:

Tailored marketing strategies will include content creation, social media engagement, influencer collaborations, partnership development, community building, events participation, developer outreach, user education, and regulatory compliance initiatives.

17.0.0.0.9. Technical and Financial Benefits Highlight:

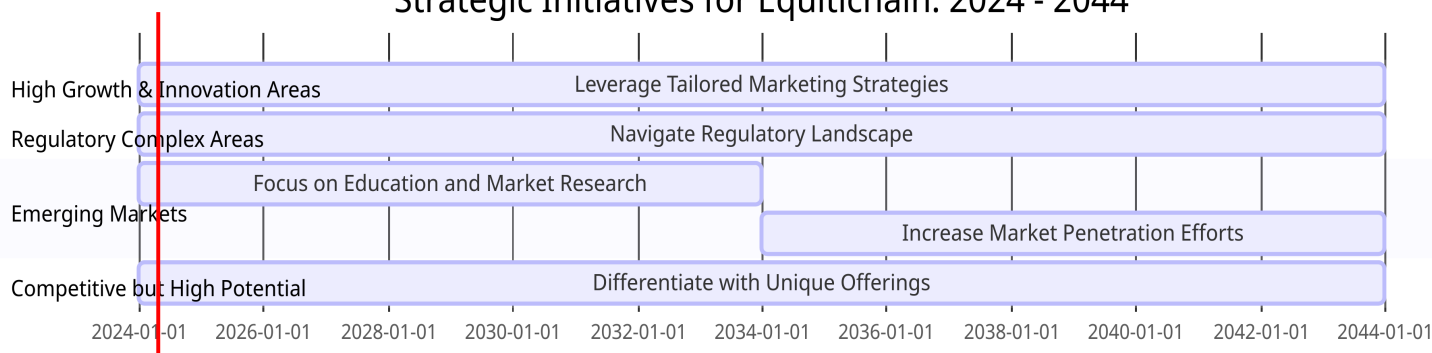
Marketing efforts will emphasize Equitichain's secure and efficient trading environment, streamlined processes, global accessibility, real-time pricing data integration, opportunities for liquidity providers, and product offerings such as Equiti (EQT20 Token Standard), USDSHARES, Cryptoshares, Herencia, Equitax, Equibond, Bloompay, Mintrax Equity Tokenization Exchange, Bloomshares DeFi Wallet, Bloomstake, and Bloomshares P2P Escrow Trading Exchange.

17.0.0.1.0. Global Adoption:

Equitichain will target regions with high cryptocurrency adoption rates and regulatory clarity, such as North America, Europe, and Asia-Pacific. Marketing efforts will focus on education, partnerships, regulatory compliance, community engagement, scalability, and innovation to achieve yearly growth targets and long-term capitalization projections.

FIG. 41.0

Strategic Initiatives for Equitichain: 2024 - 2044



17.0.0.1.1. Understanding the Target Market:

The target market for Equitichain ecosystem range of products/assets includes both institutional investors and individual retail investors seeking to diversify their portfolios and access previously inaccessible markets. Marketing efforts will intensify globally penetrating various corporate channels seeking to adopt innovative approach in their operations. The marketing thrust and drive will span over a period of six (6) years starting from the year of launch - 2024 and sustained consistently for six years.

The market for blockchain-based products and decentralized finance (DeFi) solutions is rapidly growing, driven by increasing interest in digital assets, cross-border transactions, and decentralized applications.

Key demographics include high-net-worth individuals, asset managers, individuals seeking to earn passive income, investment firms looking for innovative investment opportunities, cryptocurrency enthusiasts, investors seeking alternative financial instruments, and businesses looking for efficient cross-border payment solutions

17.0.0.1.2. Competitors Analysis:

Competitors in the equity tokenization and blockchain space include traditional stock exchanges, other blockchain-based trading platforms, and emerging fintech companies offering similar services.

Equitichain ecosystem differentiates itself by emphasizing its stable token asset, masternode assets, borderless tax payments and remittance product, secure global financial bonds issuance product, secure tokenization and efficient trading platform, and transparent operations compared to competitors.

17.0.0.1.3. Regulatory Landscape:

Equitichain ecosystem will navigate the complex regulatory landscape governing equity trading, taxes, financial instruments and blockchain technology in various regions worldwide.

Compliance with regulatory requirements is crucial to the Equitichain ecosystem for building trust with investors and ensuring the platform's long-term viability.

17.0.0.1.4. Market Trends and Dynamics:

The adoption of equity tokenization is on the rise globally, driven by the increasing demand for alternative investment opportunities and advancements in blockchain technology.

Market trends indicates a growing interest in fractional ownership and broader market access, presenting significant opportunities for Equitichain Mintrax to capitalize on.

17.0.0.1.5. Key Regions for Adoption:

Regions with high potential for equity tokenization adoption include North America, Europe, and Asia-Pacific, where there is a robust financial market infrastructure and a favorable regulatory environment.

Emerging markets in Africa and Latin America also present opportunities for growth, particularly as blockchain technology becomes more widespread.

17.0.0.1.6. Tailored Marketing Strategies:

Tailored Marketing Strategies form a cornerstone of Equitichain's approach to engaging with diverse markets and demographics effectively. By adopting comprehensive market research data, Equitichain's project ecosystem is planned to develop customized marketing strategies tailored to the unique characteristics and preferences of various regions and demographics.

By harnessing data-driven insights, Equitichain project team aims to optimize its marketing efforts, ensuring that messages resonate with target audiences and effectively convey the value proposition of equity tokenization. Moreover, these tailored strategies are designed to address specific regulatory concerns and compliance requirements inherent to each target market, thereby instilling confidence and trust among investors.

Key focal points of Equitichain's project marketing endeavors include elucidating the tangible benefits of equity tokenization, such as increased liquidity, fractional ownership, and enhanced access to investment opportunities. Additionally, efforts will be directed towards demystifying regulatory complexities surrounding tokenized assets and articulating Equitichain's project commitment to adherence and compliance.

Central to Equitichain's marketing approach is the cultivation of trust and credibility with investors in every target market. Through transparent communication, educational initiatives, and strategic partnerships, Equitichain aims to establish itself globally as a trusted partner and industry leader in the realm of equity tokenization.

By aligning marketing strategies with regional nuances and demographic preferences, Equitichain endeavors to foster meaningful engagement, drive awareness, and ultimately, facilitate the widespread adoption of equity tokenization on a global scale.

17.0.0.1.7. Global Reach and Impact:

Global Reach and Impact represent fundamental objectives within Equitichain's primary marketing strategy, reflecting the project ecosystem's ambition to extend its influence and accessibility worldwide. Equitichain's ecosystem is committed to deploying comprehensive marketing initiatives geared towards expanding its global footprint and maximizing the impact of both its network and the Equitichain token (EQT20 Token Standard).

At the core to achieving this goal is the cultivation of strategic partnerships with a diverse array of stakeholders, including local financial institutions, industry influencers, and regulatory bodies. By forging alliances with established entities within various jurisdictions, Equitichain project team aims to leverage the EQT20 blockchain networks, expertise, and credibility to amplify its marketing efforts and enhance its brand presence on a global scale.

These partnerships serve as a vital conduit for increasing awareness, driving adoption, and fostering trust in the Equitichain ecosystem and the Equitichain token. Collaborating with local financial institutions provides an opportunity to tap into existing customer bases and penetrate new markets more effectively. Meanwhile, engagement with industry influencers enables Equitichain project team to leverage EQT20 blockchain's reach and credibility to resonate with target audiences and drive engagement.

Moreover, establishing relationships with regulatory bodies underscores Equitichain's project commitment to compliance and regulatory adherence, instilling confidence among investors and stakeholders. By proactively engaging with regulatory authorities, Equitichain team aims to navigate the evolving regulatory landscape effectively and position itself as a trusted leader in the equity tokenization and blockchain space.

Through these concerted marketing efforts, Equitichain project team seeks to enhance its global reach and impact, solidifying the ecosystem position as a frontrunner in revolutionizing traditional finance through innovative blockchain solutions, drive widespread adoption, usher in a new era of financial inclusivity and empowerment on a global scale.

18.0.0.0.0. Global Adoption Strategy

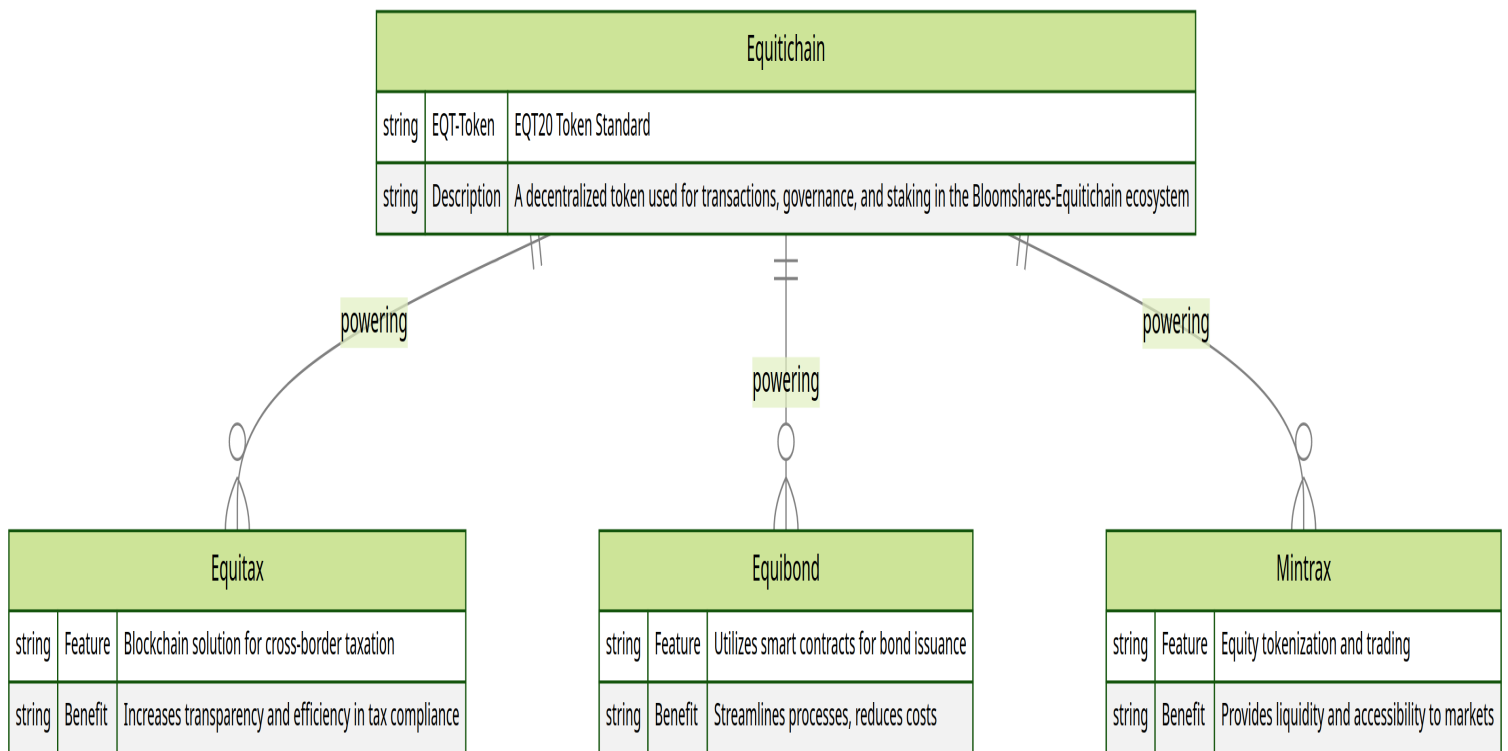
18.0.0.0.1. Product Analysis:

1. Product Analysis - Equitichain (EQT20 Token Standard) Token:

A decentralized token providing utility within the Bloomshares-Equitichain ecosystem. It can be used for transactions, governance, and staking. It is the currency that powers the following decentralized applications and platforms :

- **Equitax:** A blockchain solution addressing cross-border taxation challenges, offering transparency and efficiency in tax compliance.
- **Equibond:** Utilizes smart contracts to automate bond issuance and management, streamlining processes and reducing costs for issuers and investors.
- **Mintrax Equity Tokenization Exchange:** Facilitates the tokenization and trading of equity assets, providing liquidity and accessibility to traditional financial markets.

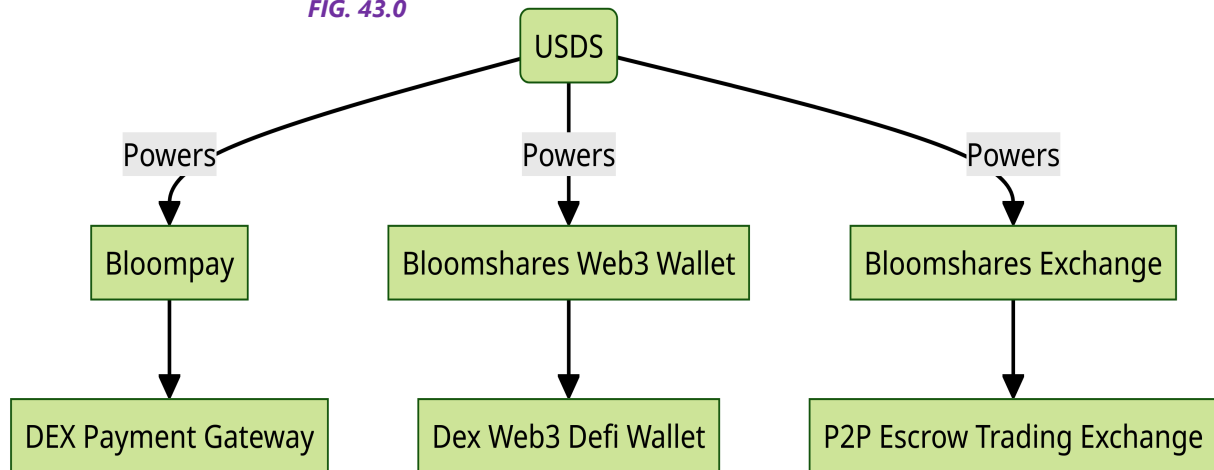
FIG. 42.0



2. Product Analysis - USDSHARES (USDS) As Base Currency :

- A stable token pegged to fiat currency and supported on multiple blockchain networks, offering stability and liquidity for users. It is the default currency that powers the following decentralized applications and platforms :
 - **Bloompay** : A WordPress WooCommerce Decentralized Payment Gateway Plugin.
 - **Bloomshares Web3 Wallet** : A decentralized web3 Defi wallet for secure storage and Atomic Swap of Equitichain ecosystem assets.
 - **Bloomshares Exchange** : A P2P Escrow Crypto-Fiat Trading and Exchange.

FIG. 43.0

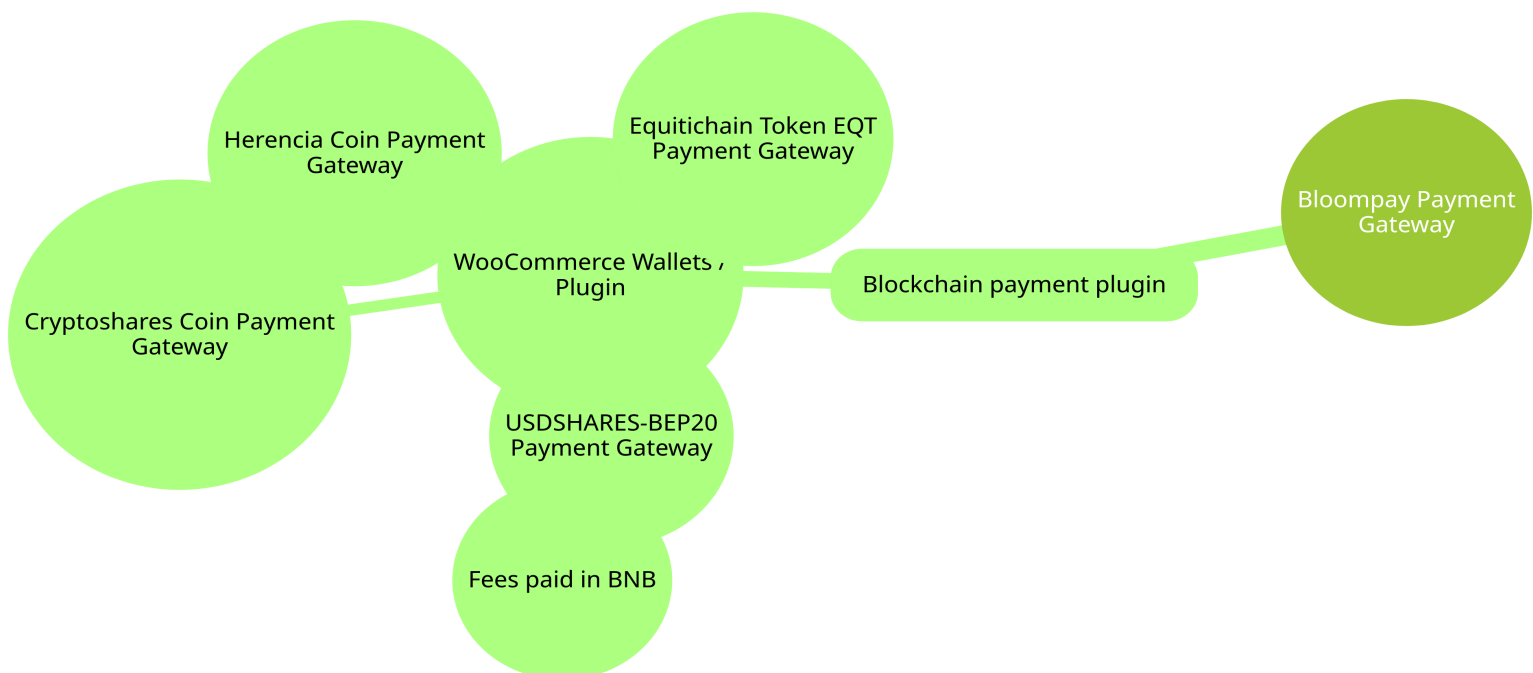


3. Bloompay Payment Gateway Plugin:

A blockchain payment plugin enabling seamless and secure transactions for merchants using WooCommerce. Bloompay plugin host the WordPress - WooCommerce wallets for e-commerce payments in the following ecosystem assets:

- **USDSHARES-BEP20 Payment Gateway(Fees paid in BNB)**
- **Cryptoshares Coin** Payment Gateway.
- **Herencia Coin** Payment Gateway.
- **Equitichain Token (EQT)** Payment Gateway.

FIG. 44.0

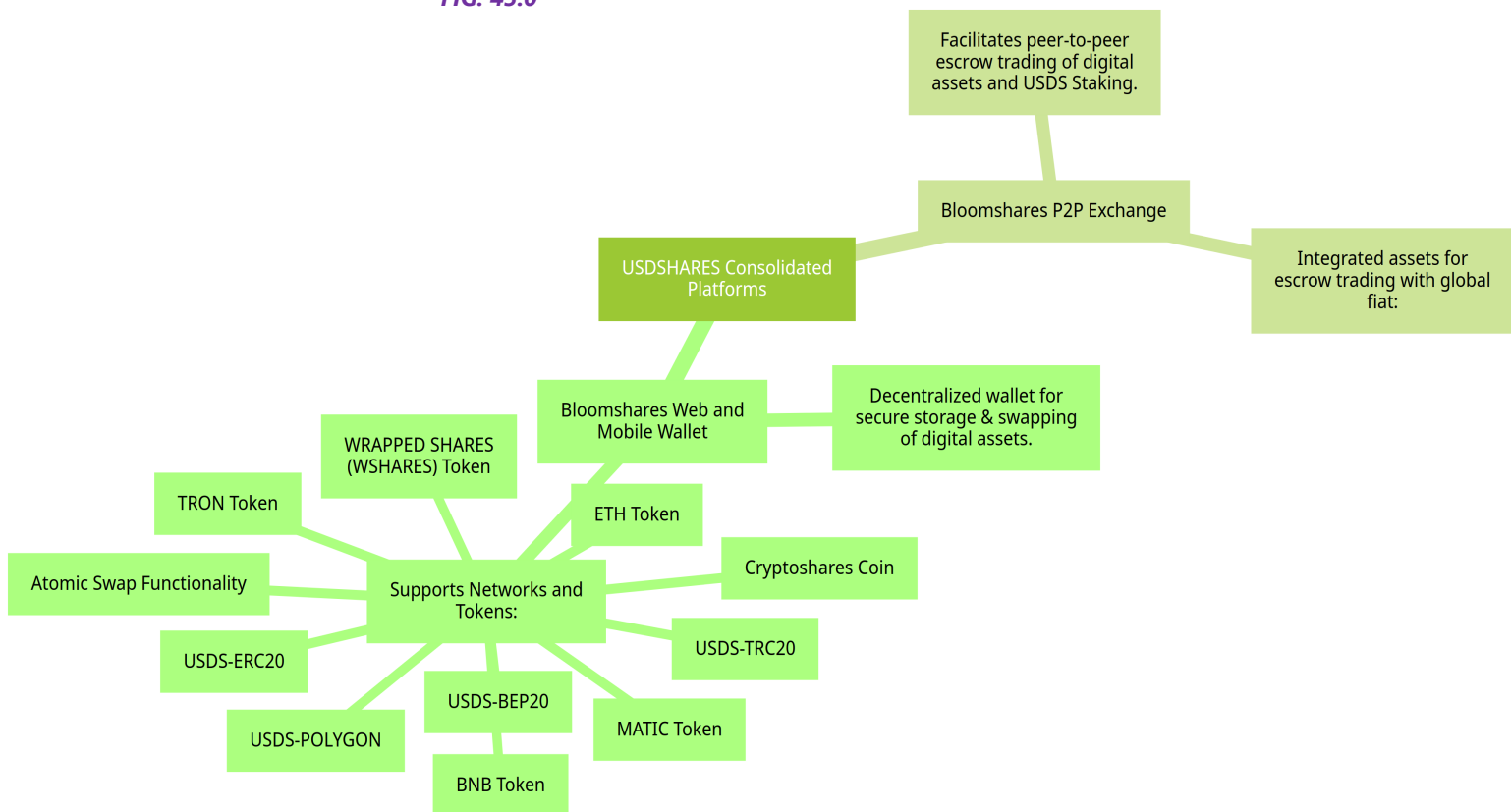


18.0.0.0.2. USDSHARES Consolidated Platforms:

- **Bloomshares DeFi :** A decentralized wallet offering secure storage and swapping of various digital assets, enhancing user control and privacy. Specifically, this web3 wallet host the entire four networks of USDS assets and their base network currencies as detailed below:
 - **USDS-BEP20**
 - **USDS-ERC20**
 - **USDS-TRC20**
 - **USDS-POLYGON**
 - **BNB Token**
 - **ETH Token**
 - **TRON Token**
 - **MATIC Token**
 - **Cryptoshares Coin**
 - **WRAPPED SHARES (WSHARES) Token**
 - **Atomic Swap Functionality**

- **Bloomshares P2P Exchange:** Facilitates peer-to-peer trading of digital assets in an escrow environment, promoting trust and security in transactions. The following assets are integrated for trading into any global fiat in the P2P escrow trading environment

FIG. 45.0

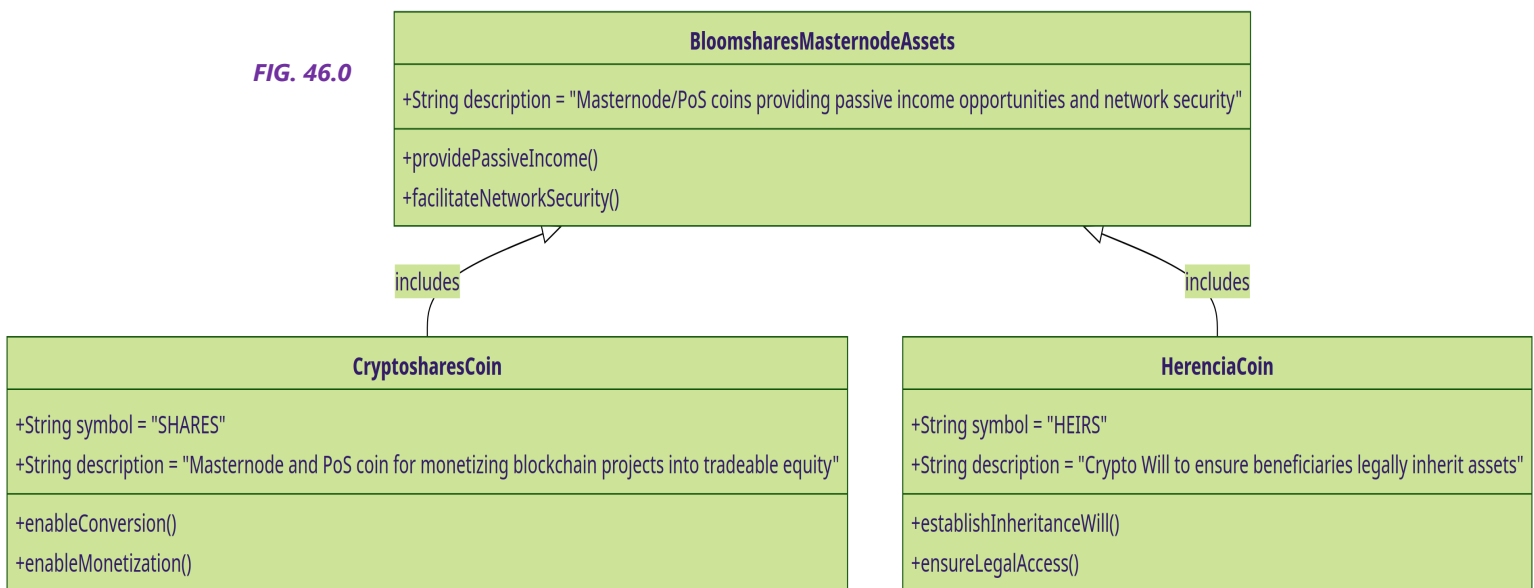


18.0.0.0.3. Bloomshares Masternode Assets :

Masternode/PoS coins providing passive income opportunities for holders and facilitating network security.

- **Cryptoshares Coin (SHARES)** : SHARES is a masternode and PoS coin whose usecase platform will enable the conversion and monetization of blockchain projects into publicly quoted and tradeable equity.
- **Herencia Coin (HEIRS)**: HEIRS aims to establish an *Immutable and Redeemable Crypto Inheritance Will on the Blockchain*. The platform facilitates the placement of crypto assets as a Last Will and Testament on the Herencia blockchain, ensuring legal access for beneficiaries. This ensures that crypto assets are inherited by family members after death. HEIRS decentralized usecase blockchain network ensures legal transitions of assets postholder's demise as illustrated in the diagram below.

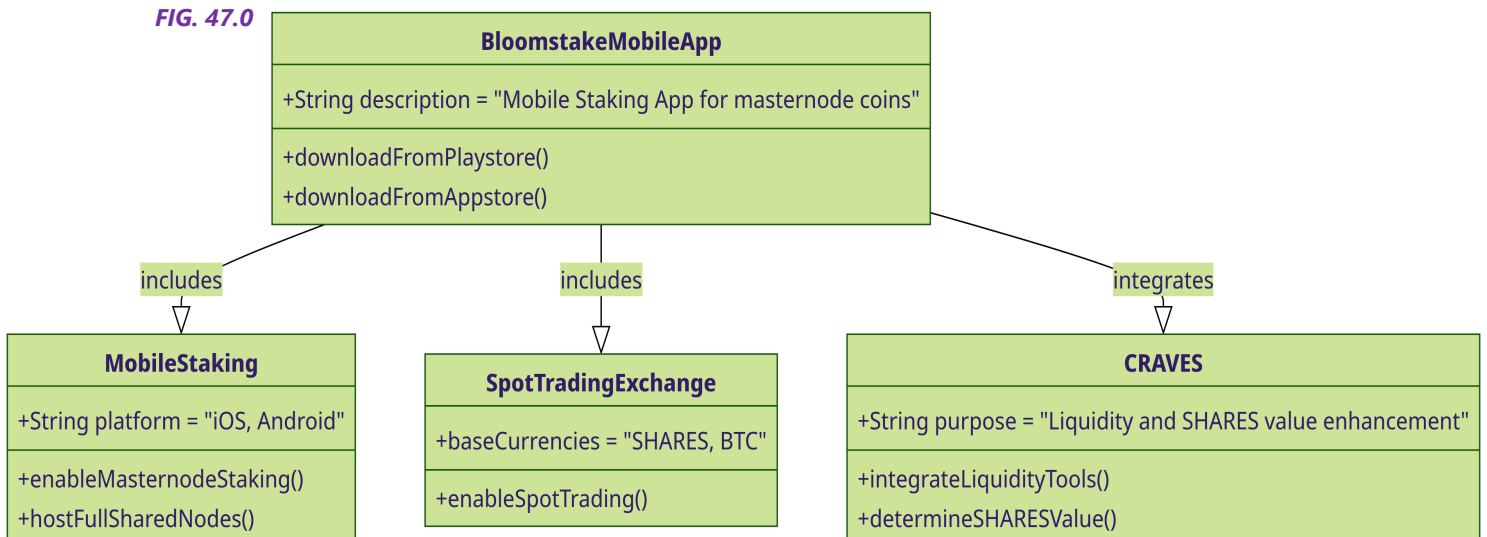
FIG. 46.0



18.0.0.0.4. Bloomstake Mobile App:

- **A Mobile Staking App:** Enabling masternode investors to stake and host their full/shared masternode coins directly from their mobile devices on the go, increasing accessibility and participation. Bloomstake App is available for mobile download on **Playstore** and **Appstore**.
- **Spot Trading Exchange :** Spot trading of masternode coins with SHARES and BTC as base currencies.
- **CRAVES** features integrated for liquidity and SHARES value enhancement determination.

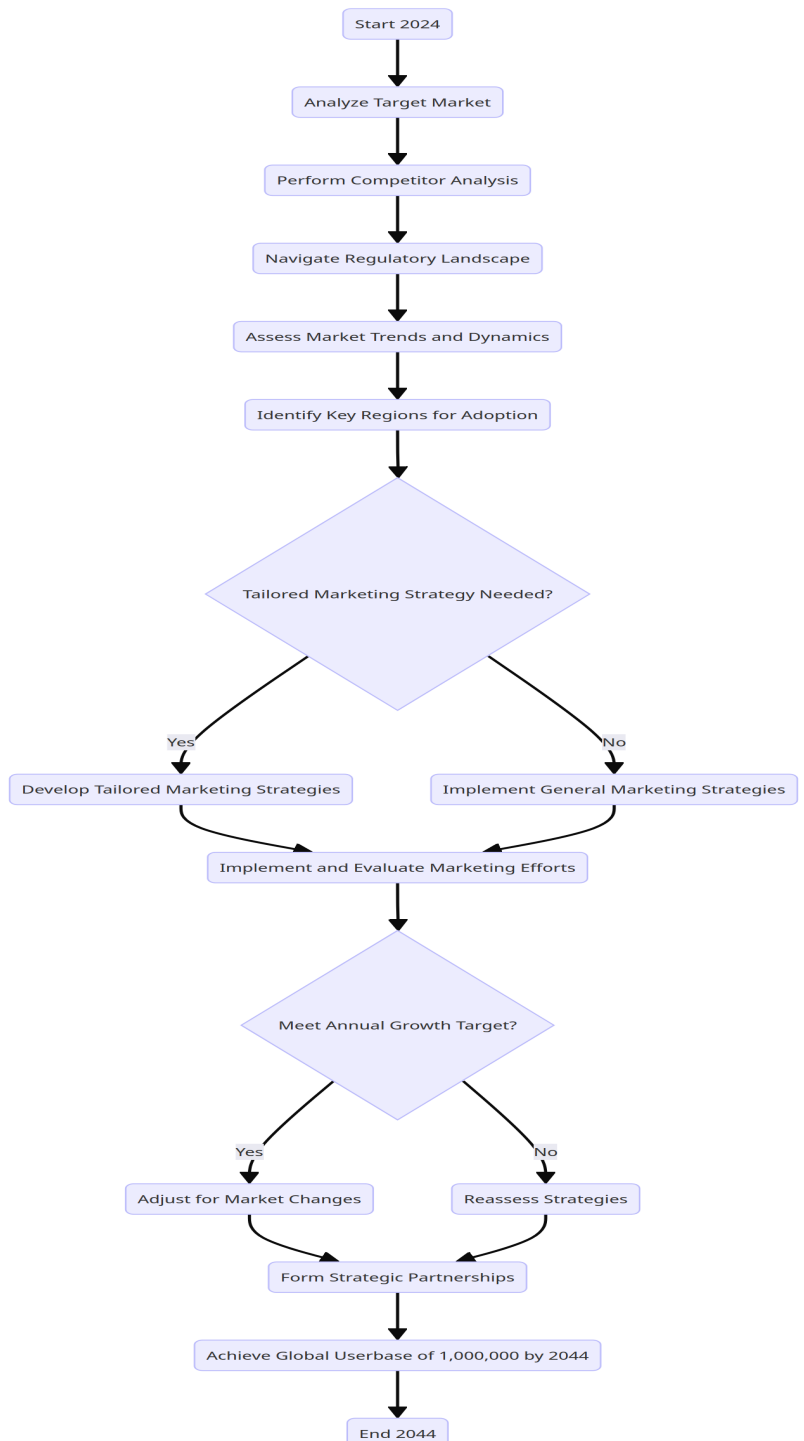
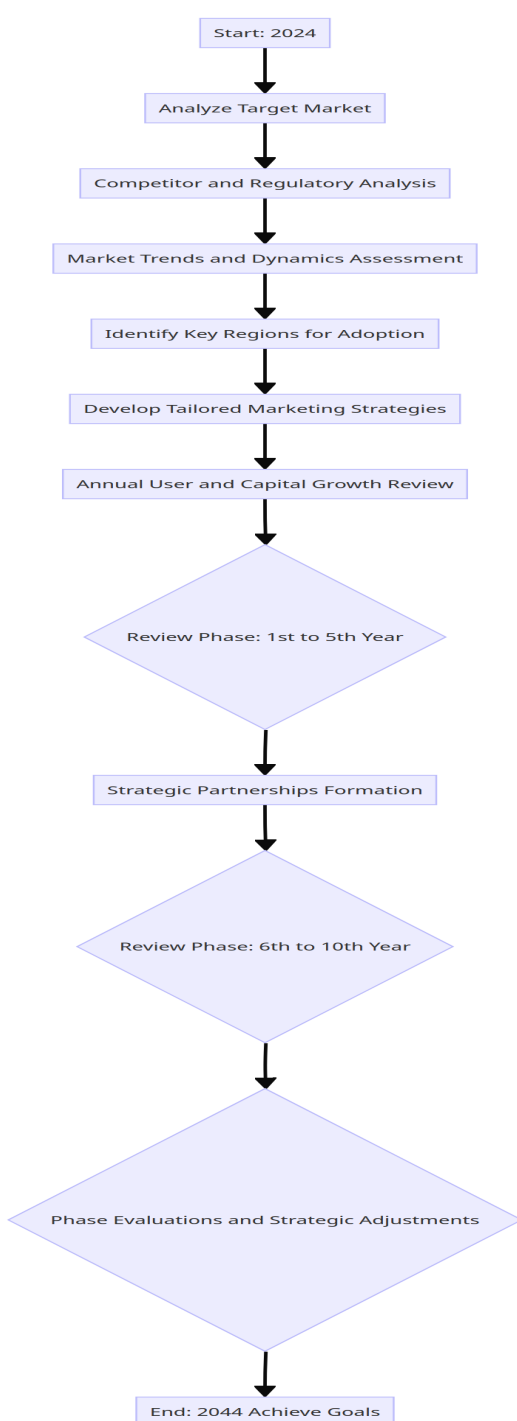
FIG. 47.0



19.0.0.0.0. Growth and Adoption Plan:

The Growth Adoption Marketing Plan serves as the comprehensive framework detailing the strategic objectives for growth and adoption across various marketing channels.

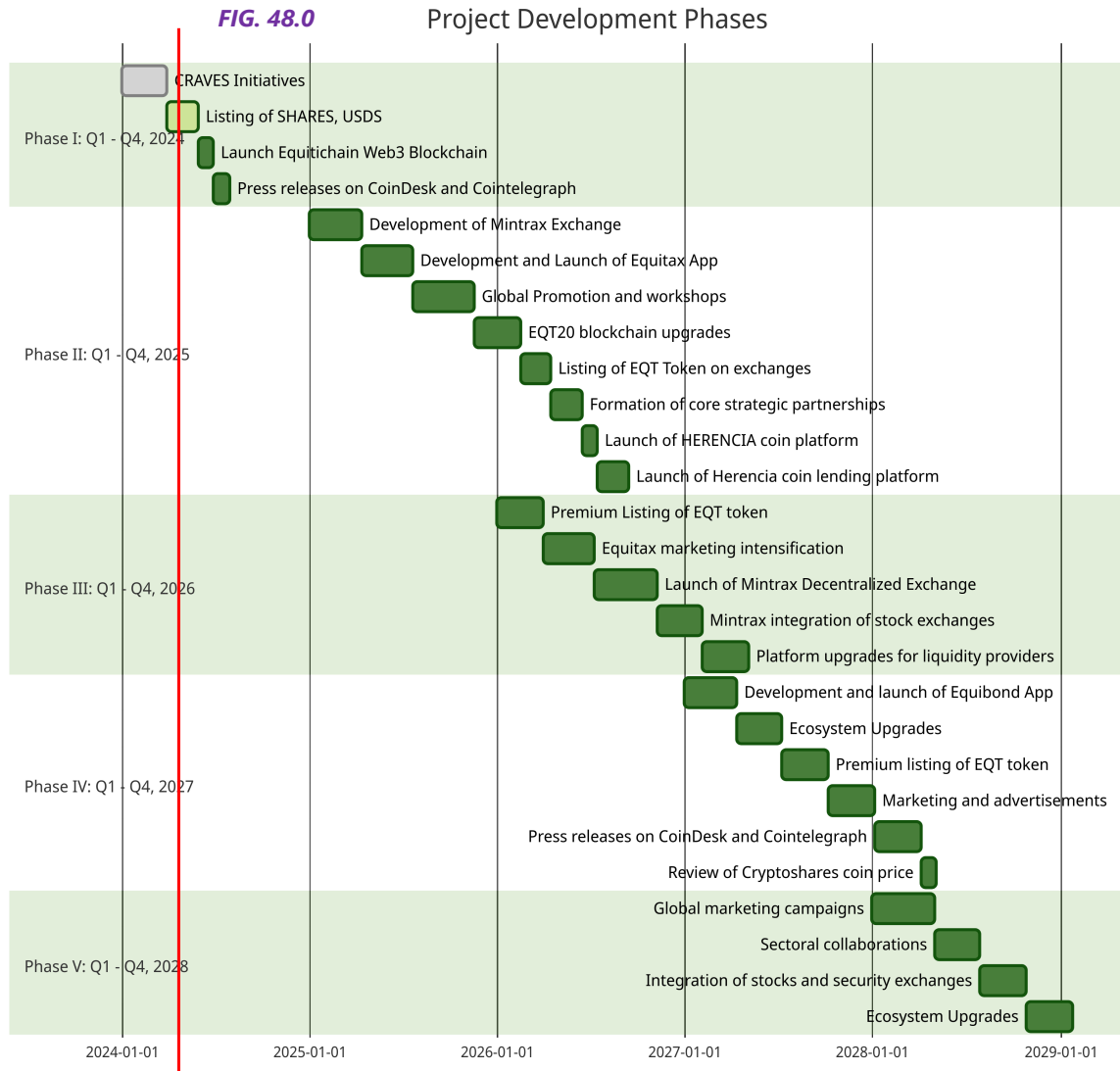
- **Yearly Growth:** Focuses on the annual targets for new user acquisition by working relentlessly to attract 2,000,000 new users annually through targeted marketing efforts, strategic partnerships, and product enhancements.
- **Capitalization Projection:** Details the long-term financial goals and strategies to achieve significant market cap. The team project a 20-year capitalization of \$117 billion by capturing a significant market share in the blockchain, DeFi, and fintech sectors, driven by continuous user growth, product diversification, and market expansion.



- **Targeted Marketing:** This plan outlines region-specific marketing strategies. The team has mapped out plans tailored for marketing strategies to target regions with high cryptocurrency adoption rates and regulatory clarity, such as North America, Europe, and Asia-Pacific.
- **Education and Awareness:** This strategy concentrates on campaigns aimed at educating potential users and businesses about Bloomshares-Equitichain ecosystem. Launch educational campaigns to inform users about the benefits and functionalities of Bloomshares-Equitichain products, targeting both individual users and businesses.
- **Partnerships and Integrations:** This plan emphasizes strategic collaborations and product integrations. Collaborate with blockchain projects, financial institutions, and eCommerce platforms to integrate Bloomshares-Equitichain products and expand their reach.
- **Regulatory Compliance:** This plan ensures all activities comply with regional regulations. It prioritizes regulatory compliance to build trust and credibility with users and regulators, ensuring adherence to legal requirements in each jurisdiction.
- **Community Engagement:** This engagement aims to build and maintain a robust user community. It will strongly foster a strong and active community of users through forums, social media, and events, encouraging participation and feedback to drive product improvement and adoption.
- **Scalability and Innovation:** This plan ensures that the equitichain products are scalable and continuously improved. The team has an integrated plan to continuously innovate and improve products to meet evolving market demands and technological advancements, ensuring scalability and long-term sustainability.

20.0.0.0.0. EQUITICHAIN PROJECT ROADMAP

20.0.0.0.1. ACTIVE & SCHEDULED ROADMAP :



20.0.0.0.2. FUTURE & UN-SCHEDULED ROADMAP :

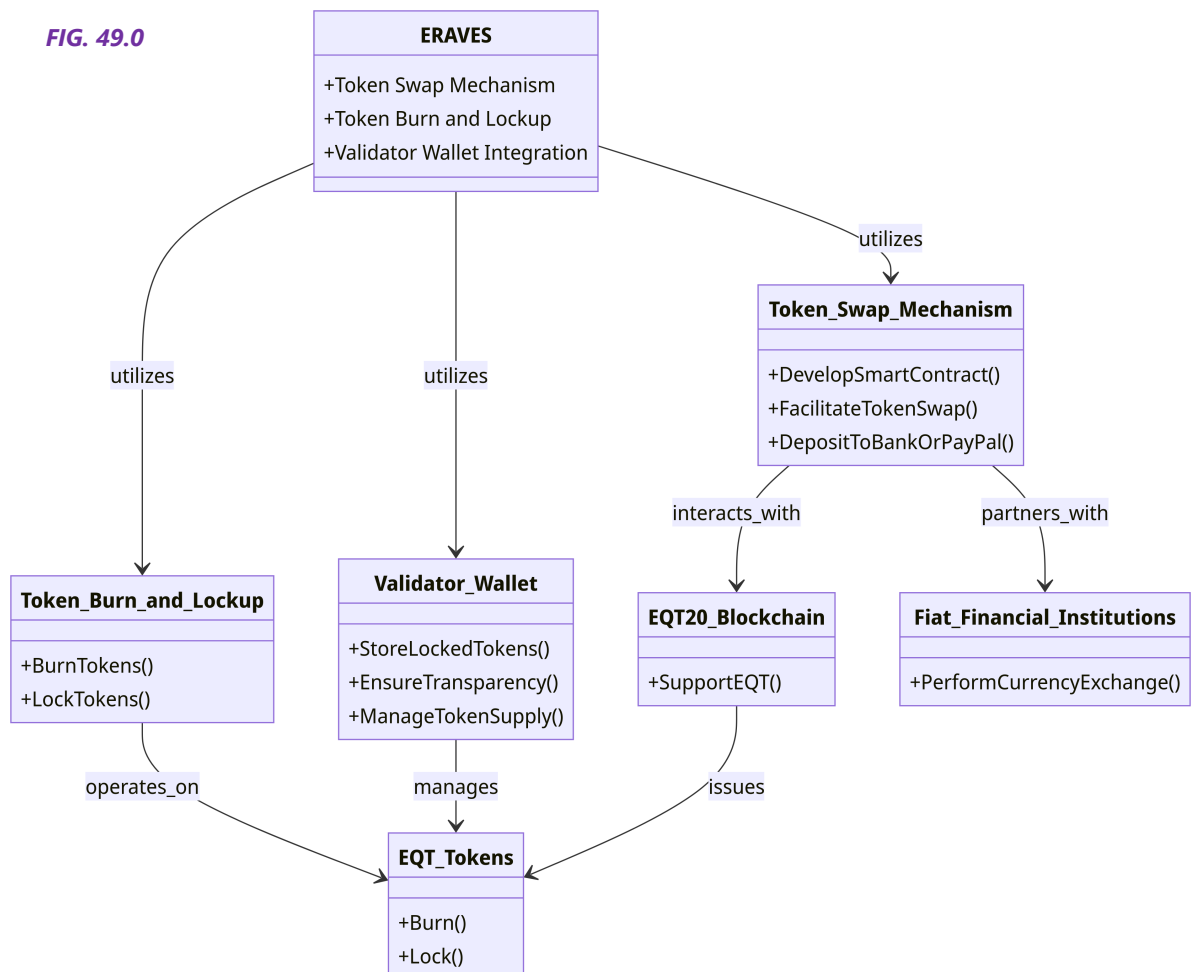
The future and unscheduled roadmap of the Equitichain project ecosystem is designed to enrich user experience, enhance the value proposition, and ensure ecosystem sustainability for investors and stakeholders as the project evolves progressively over time. The forthcoming initiatives outlined below will be implemented at timelines to be determined in the future.

1. Equitichain Rewards And Value Enhancement System (ERAVES) :

The implementation of ERAVES on the Mintrax Equity Trading exchange involves the following :

- **Token Swap Mechanism :** This feature handles the swapping of tokens to fiat currencies and managing interaction with partnering financial institutions. A smart contract will be developed to facilitate on the EQT20 blockchain the seamless swapping of Equitichain tokens (EQT) into any global fiat currency, which can be deposited directly into investors' bank accounts or PayPal accounts. Partnerships and collaboration will be established with fiat financial institutions to achieve and integrate the **ERAVES** features.
- **Token Burn and Lockup :** This feature manages the burning and locking of tokens to manage supply and enhance value. Upon receiving EQT tokens via ERAVES, 50% of the tokens will be automatically burnt, reducing the circulating supply and potentially increasing the value of the remaining tokens. The remaining 50% of EQT tokens will be locked in the team's validators wallet for a minimum of 5 years, enhancing scarcity and long-term value potential.
- **Team Validator Wallet Integration :** This feature manages locked EQT tokens, ensuring accountability and transparency. A secure validator wallet system will be developed to store and manage the locked EQT tokens, ensuring transparency and accountability regarding the locked token supply.

FIG. 49.0



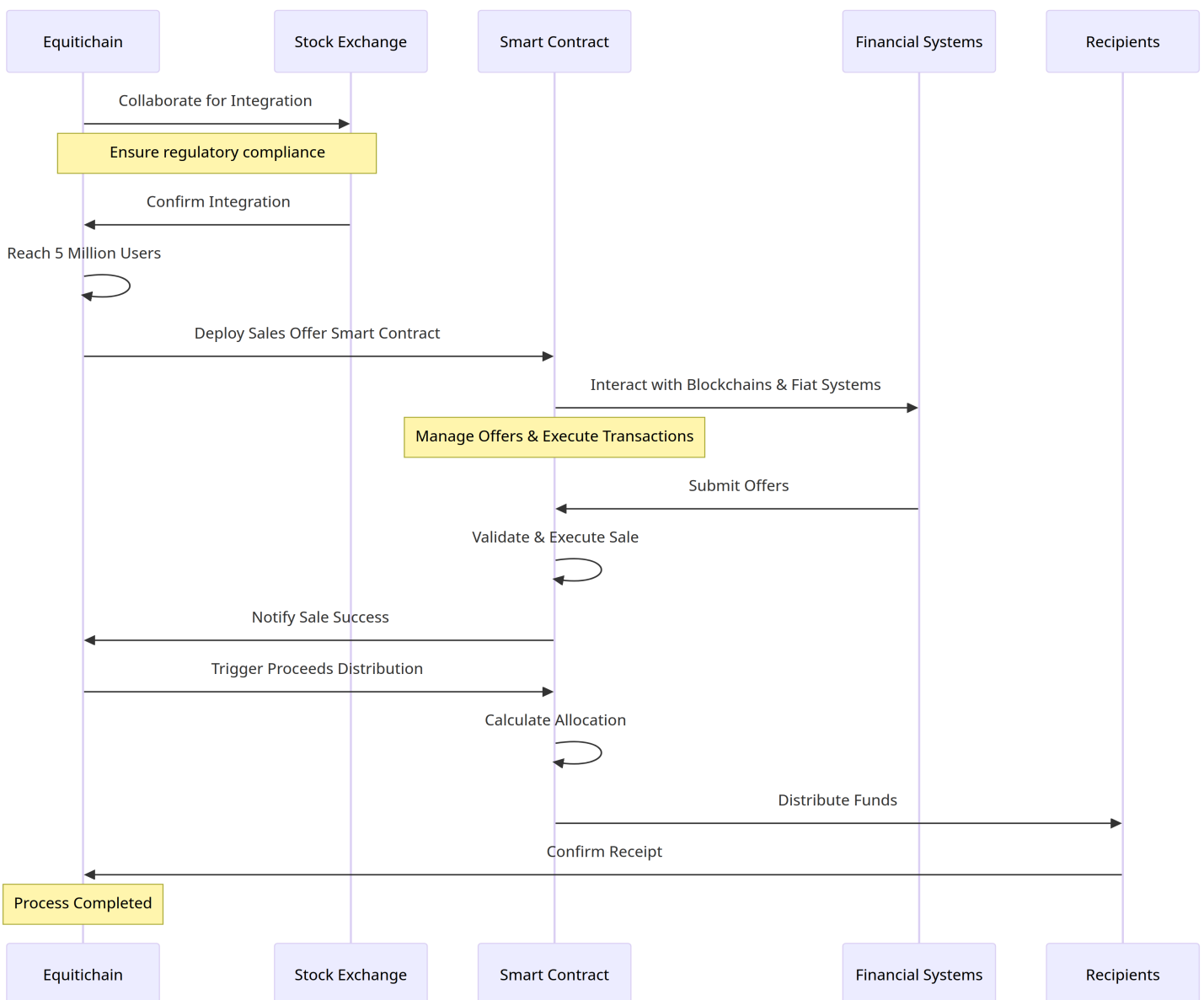
2. Equitax Listing and Sales Allocation:

For the listing of Equitax on a major global stock exchange and the subsequent sale upon reaching a sustained userbase of 5 million Equitax users (Individuals, Companies, Governments and Platforms).

Collaboration for Company Shares Listing:

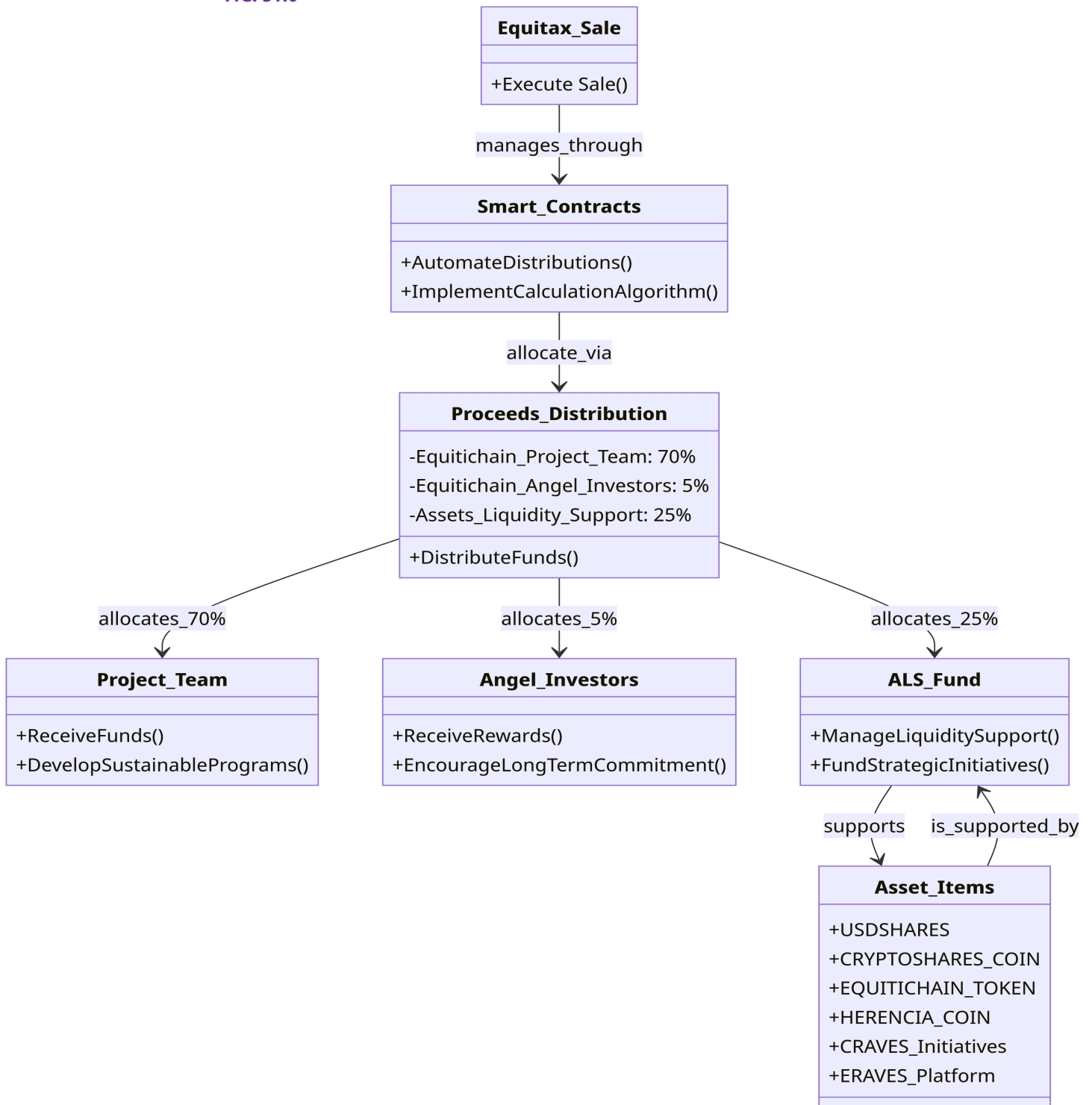
Equitichain will initiate collaboration with top and viable global Stock Exchange for the listing of Equitax Coy. This step includes ensuring that Equitax Coy meets regulatory compliance and market access requirements and for a broader investor base. The stock exchange confirms successful integration back to Equitax Coy/Equitichain management. Trading of Equitax Coy Stocks is launched.

FIG. 50.0



- **Sales Offer Mechanism :** A smart contract will be deployed to manage the sale of Equitax Coy at a price not less than a nine-figure value quote, enabling interested parties to submit offers and execute the sale transaction securely on both blockchains and fiat financial ecosystems.
- **Sales Proceeds Distribution :** Upon the successful sale of Equitax Coy, the distribution of proceeds will be automated through smart contracts based on the predefined allocation percentages outlined, ensuring transparent and efficient fund disbursement to the designated recipients. A calculation algorithm will be implemented to determine the proportional distribution of Equitax Coy sales proceeds as detailed below :

FIG. 51.0



- **Equitichain Project Team - Equitax Proceeds Allocation :**

The Equitichain Project Team will receive 70% of the sales proceeds, serving as crucial financial support for the team's ongoing development efforts and indemnity contracts. This allocation aims to provide the necessary resources for the sustained growth and evolution of the Equitichain platform.

These funds will play a pivotal role in financing various developmental initiatives, including the establishment of sustainable programs and projects. These endeavors are geared towards fostering robust community engagement, driving user growth, and facilitating the expansion of the Equitichain ecosystem.

The Equitichain Project Team aims to solidify the platform's position as a dynamic and inclusive environment that empowers its users and stakeholders while advancing the overarching goals of the project.

- **Equitichain Angel investors - Equitax Proceeds Allocation :**

The Equitichain Angel Investors program is designed to recognize and reward early supporters of the EQT project while incentivizing long-term commitment to the Equitichain ecosystem. Angel investors, who participated in the EQT token presales/ICO and demonstrated faith in the project's vision from its inception, will be allocated 5% of the Equitax sales proceeds.

The allocation to Equitichain Angel Investors will be determined based on their initial investment percentage in the EQT token presales/ICO and the duration of their holding until the Equitax sales event. This ensures that those who have shown early support and maintained a steadfast commitment to the project are appropriately recognized and rewarded for their contributions.

By distributing a portion of the sales proceeds to Angel investors, Equitichain aims to foster a sense of community and loyalty among its early supporters. Furthermore, this allocation serves as a mechanism to incentivize investors to remain engaged with the project over the long term, aligning their interests with the continued success and growth of the Equitichain project ecosystem.

Through this initiative, Equitichain team seeks to cultivate a vibrant and dedicated community of investors who are deeply invested in the project's success, thereby reinforcing its position as a leading player in the blockchain ecosystem.

- **Assets Liquidity Support (ALS) Fund - Equitax Proceeds Allocation :**

The Assets Liquidity Support (ALS) Fund constitutes a pivotal component of Equitichain's strategy to bolster liquidity across various assets within its ecosystem. Comprising 25% of the Equitax sales proceeds, the ALS Fund is earmarked to provide robust and deliberate liquidity support for a range of assets, including USDSHARES, CRYPTOSHARES COIN, EQUITICHAIN TOKEN, HERENCIA COIN, CRAVES initiatives, and the ERAVES platform.

The primary objective of the ALS Fund is to ensure that these assets maintain stable and vibrant trading environments, thereby enhancing market confidence and facilitating seamless transactions within the Equitichain ecosystem. To achieve this goal, the allocation will be strategically managed through liquidity provision mechanisms, which may include liquidity pools or buyback programs.

Retaining a portion of the Equitax sales proceeds in the ALS Fund, Equitichain project team demonstrates its commitment to fostering liquidity and market stability across its asset portfolio. This proactive approach not only benefits asset holders and traders but also contributes to the overall resilience and sustainability of the Equitichain ecosystem.

Through prudent management and targeted interventions, Equitichain project team aims to cultivate a thriving and dynamic marketplace where participants can confidently transact and interact with a diverse array of assets, thereby unlocking new opportunities for growth and innovation within the blockchain ecosystem.

3. HEIRS REDEEMABLE CRYPTO INHERITANCE PLATFORM :

The Herencia platform implements the placement of your crypto assets as a Last Will and Testament on the blockchain deployed on the EQT20 token standard network. The chain will entitle the beneficiary of the Will a legal access to the deceased crypto assets or coordinates the distribution of your assets after death. Once we are gone our crypto assets will no longer be lost but inherited by our children or general family members. Below are some of the core technical features of the HEIRS Will Testament time-locking App platform.

- **Secure and Immutable Will:** The HEIRS Application/platform ensures the creation of secure and immutable wills through the implementation of cutting-edge EQT20 blockchain technology. Once a will is time-locked on the HEIRS application and deployed onto the EQT20 blockchain, it becomes impervious to tampering, guaranteeing the integrity and authenticity of the document. The time-lock feature ensures that only the Owner of the Assets retains the authority to modify the will until the specified unlock time or in the event of their demise, providing unparalleled security and peace of mind.
- **Redeemable Crypto Inheritance Platform:** The HEIRS Application/platform offers a sophisticated system for redeeming crypto inheritances, allowing for seamless execution of the deceased's wishes. Via the instrumentality of the HEIRS smart contract technology running on the EQT20 blockchain, facilitates multiple trigger points that enable beneficiaries to claim their inheritances based on predefined conditions set by the deceased. This dynamic framework ensures a fair and transparent process, empowering beneficiaries to access their rightful assets efficiently and in accordance with the decedent's intentions.
- **Large and Efficient Database to Store Millions of Wills:** The HEIRS Application/platform boasts a robust and scalable database infrastructure designed to accommodate millions of wills securely. Built upon the very reliable EQT20 token standard blockchain network, HEIRS Application database ensures the seamless storage and retrieval of vast amounts of testamentary data on the EQT20 blockchain. By deploying the inherent security and efficiency of EQT20 decentralized blockchain technology, the HEIRS Application/platform provide users with a dependable platform for managing their estate planning needs. The efficient data network of the HEIRS APP. guarantees rapid access to wills and associated information, enhancing the overall user experience and instilling confidence in the HEIRS platform's reliability and performance.

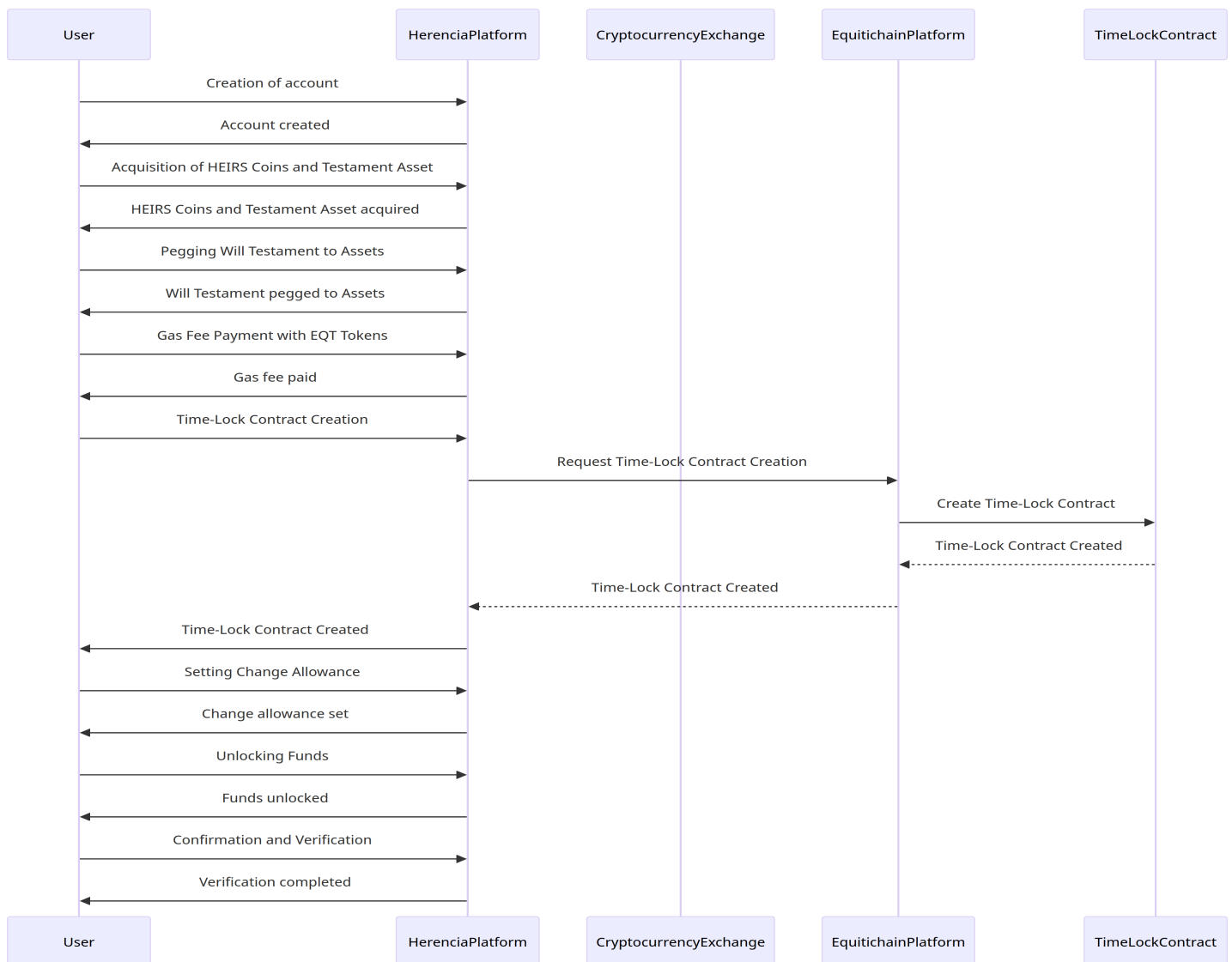
THE HEIRS APPLICATION PLATFORM - HOW IT WORKS :

- **Creation of account on the HEIRS platform:** The user begins by creating an account and a wallet specifically for Herencia Coin (HEIRS), for BTC or any other asset which will be used to store the tokens/asset representing their Will testament.
- **Acquisition of HEIRS Coins and Testament Asset:** The user acquires HEIRS coins and the testament asset of choice through any supported cryptocurrency exchange.
- **Pegging Will Testament to Assets:** Using the HEIRS Application platform, the user initiates the process of pegging their Will testament to the specific assets of choice which was earlier funded in his or her platform wallet. This involves specifying the percentage allocation of assets (e.g., 80% BTC/LTC) to be included in the Will testament + 10% of locked asset value in HEIRS equivalent.
- **Gas Fee Payment with EQT Tokens:** To execute transactions on the HEIRS Application platform, including pegging the Will testament, the user pays gas fees using EQT tokens. These tokens serve as the utility token within the Equitchain Defi ecosystem.
- **Time-Lock Contract Creation:** Once the assets are pegged to the Will testament, a time-lock smart contract is created using HEIRS time-lock smart contract functionality deployed on the EQT20 network. This contract locks the assets until a specified future date.



- **Setting Change Allowance:** As per the requirement for the Will owner to make changes twice per annum, the smart contract is programmed to allow modifications within this specified frequency. This allows flexibility for the Will owner to adjust the asset allocation or beneficiaries if needed.
- **Unlocking Funds:** In the event of personal circumstances or the need to cancel the time-lock contract, the Will owner initiates the unlocking process. This involves interacting with the Equitichain time-lock smart contract through the Herencia Coin platform and providing necessary authentication.
- **Conversion of Assets to HEIRS Tokens:** If the user holds assets such as EQT/USDS/USDT/BTC/LTC, they do not need to convert any portion of these assets into HEIRS or any other asset to fulfill the percentage allocation specified in the Will testament. The assets are locked and remain in their original form till expended or matured or transferred to the Will beneficiaries.
- **Transfer of Assets to the Equitichain Time-Lock Contract:** After acquiring the target asset and HEIRS coin, the user funds are locked with the designated amount to the time-lock smart contract created for their Will testament. This action finalizes the asset allocation process and initiates the time-locking mechanism.
- **Confirmation and Verification:** The user verifies and confirms the successful execution of the time-lock contract, ensuring that the assets are securely locked and designated for inheritance according to the set terms of their Will testament.

FIG. 52.0



21.0.0.0.0. Conclusion :

In summary, the Bloomshares-Equitichain ecosystem offers a comprehensive range of blockchain-based products and solutions tailored to address diverse financial needs and usecases in general blockchain and assets tokenization. This integrated suite of offerings underscores the ecosystem's commitment to revolutionizing traditional finance through innovative blockchain technology.

Furthermore, the integration of Equitichain smart contracts and Global Stocks Interoperability Protocols (GSIP) stands to revolutionize equity trading exchanges and asset tokenization. This integration promises heightened efficiency, scalability, and transparency in tokenization and equity trading processes, thereby attracting more participants, reducing transaction costs, and streamlining the tokenization and trading of equities. The seamless interoperability afforded by GSIP enhances the liquidity and accessibility of global stocks, fostering a more inclusive and efficient financial ecosystem.

Looking ahead, Equitichain's ecosystem is positioned for significant growth and leadership in the blockchain and decentralized finance (DeFi) industries over the next two decades. By implementing a robust global adoption strategy encompassing targeted marketing initiatives, educational campaigns, strategic partnerships, regulatory compliance measures, community engagement efforts, and ongoing innovation, the ecosystem is primed to solidify its position as a transformative force in reshaping the future of decentralized finance and corporate asset tokenization. With a well outlined strong marketing mix, composition and penetration along the identified marketing channels, Equitichain project team is positioned to empower individuals, firms and governments worldwide with greater inclusion, opportunity to a borderless stocks trading, tax payments and remittances and dynamic financial access in the global digital age."