

CaFi Game *GDD_en*

| Version 0.0.1

1. Overview

- **Game name:** CaFi Game
- **Genre:** Social PvP Business Simulation
- **Platform:** Web3, Mobile, PC
- **Technology:** Blockchain, NFT, Smart Contract
- **Economic model:** Play-and-Earn (P&E)
- **In-game currency:** COF Token
- **Platform's main token:** CAF Token

2. Core Loop

1. **Import raw materials** →
2. **Production & manufacturing** →
3. **Sales & distribution** →
4. **Financial management & strategy optimization** →
5. **Expansion & investment**

3. Gameplay

3.1. Game Model

CaFi Game is a coffee business simulation game where players take on the role of different companies within the coffee ecosystem or act as smart consumers,

interacting with other players to build a competitive market, optimize business strategies, and receive significant rewards from the platform.

3.2. Player Roles

Players are randomly assigned one of these 4 roles:

1. **Raw materials company** (supplies sugar, milk)
2. **Brewing equipment company** (filters, cups, brewing machines)
3. **Coffee shop company** (espresso, cappuccino, black coffee, milk coffee)
4. **Consumer** (buys coffee for storage and rewards)

3.3. Objectives

- Players develop their companies by **managing resources, optimizing business strategies**, and expanding markets to **increase market capitalization**.
- Profits from business operations can be used to expand company size or **convert in-game assets to platform tokens**, creating real value for players with effective business strategies.
- The in-game market **operates on real supply-demand mechanics between players**, ensuring competition and continuous fluctuation.
- The in-game market will change based on real supply and demand between players.
- System of unexpected events simulating real economic conditions, such as:
 - Raw material price fluctuations.
 - Changes in consumer trends.
 - External factors affecting the coffee industry.

3.4. PvP Mechanics

- Price competition based on real supply and demand between companies.
- Marketing strategies help increase sales.

- Resource management, production strategies optimize profits.
- Business expansion through company acquisitions.

3.5. Market Fluctuation Events

- Raw materials & equipment price fluctuations.
- Natural disasters affecting supply and quality.

4. Game Mechanics

- **Business & Production:** Players need to manage resources, finances, and sales strategies.
- **Random Orders:** The game system issues random orders with varying prices and quantities. Players can choose to accept or reject orders based on production capacity and economic value.
- **NFT Lifecycle:** Materials have expiration dates, coffee has consumption periods.
- **NFT Burn Mechanism:** Expired products are burned to maintain price stability.
- **Rewards:** All products can be sold for tokens, with value depending on various factors, especially expiration dates.

5. Monetization

- **NFT Marketplace:** Players can buy, sell, and trade NFTs for materials, equipment, and coffee.
- **Internal Transactions:** Players can use COF in-game for trading materials and products.

6. Blockchain & Tokenomics

6.1. Tokenomics

- **CAF Token:** Platform's main token, tradeable and withdrawable.

- **COF Token (Game Token):** In-game currency for internal transactions and participation in the game economy.

CAF and COF can be **swapped** at system-defined rates.

6.2. Core Blockchain Integration

CaFi Game will integrate **Core Blockchain** to leverage these advantages:

- **Low transaction costs:** Reduces costs for players when trading NFTs or token swaps.
- **High security:** Core Blockchain provides robust security to protect players' digital assets.
- **Fast processing:** Optimizes transaction processing time and game data updates.

6.3. Staking & Earning Mechanism

- Players can **stake CAF Token** to receive platform rewards.
- Staking profits can be used to purchase in-game assets or trade on marketplace.
- Staking rewards may include limited NFTs, rare materials, or priority access to special in-game events.

Conclusion

CaFi Game aims to create a highly competitive simulated coffee business ecosystem, combining blockchain elements to bring real value to players. This creates an exciting virtual market where every business decision impacts the success of the enterprise.