

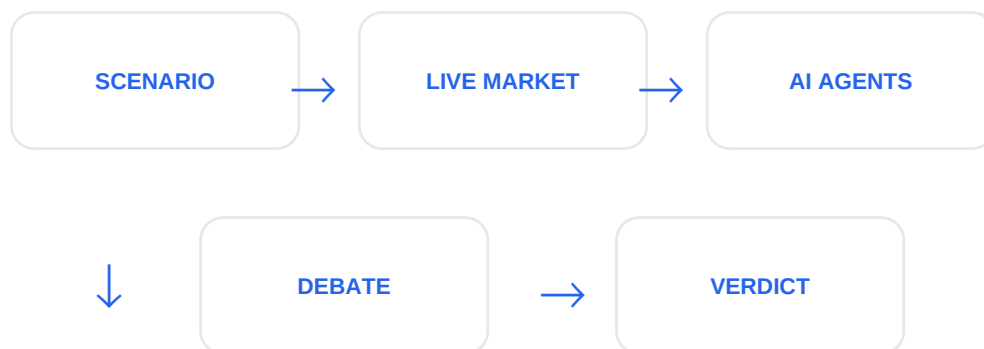
SIMUFI

Simulate what could happen.

Debate every angle. Understand the market.

WHITEPAPER

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01 Abstract

SimuFi is an AI-powered crypto and on-chain scenario simulator designed to help users reason about what could happen next. Instead of presenting a single automated opinion, SimuFi combines live market context with multiple specialized AI perspectives in a structured debate.

A user describes a scenario, the system gathers relevant market observations, runs multiple rounds of debate, and produces a probability-based verdict with supporting drivers and risks.

02 The Problem

Crypto markets move quickly and are influenced by liquidity, narrative, positioning, social attention, token supply and market structure. The same event can produce very different interpretations.

Most tools either show raw market data or provide a single AI answer. SimuFi makes disagreement explicit so users can stress-test a thesis rather than relying on one viewpoint.

03 The SimuFi Approach

SimuFi turns a user-written scenario into a structured simulation. The scenario is combined with live market observations, then evaluated by multiple specialized agents.

The output is not intended to predict the future with certainty. It is a structured way to explore possible outcomes, identify important variables, and understand why market participants might react differently.

04 Agent System

The agent room uses eight distinct perspectives so the debate is not simply eight copies of the same generic assistant.

Whale — large-position behavior and liquidity impact.

Trader — momentum, setups and market structure.

Researcher — fundamentals, catalysts and evidence quality.

Degen — narrative, attention and asymmetric upside.

Panic Seller — downside, fear and exit pressure.

Influencer — social reach and narrative velocity.

RWA Investor — adoption, utility and longer-horizon capital.

Developer — technical credibility, execution and protocol implications.

WHALE Large positions & liquidity	TRADER Momentum & structure
RESEARCHER Fundamentals & evidence	DEGEN Narrative & upside
PANIC SELLER Downside & fear	INFLUENCER Social reach
RWA INVESTOR Adoption & horizon	DEVELOPER Technical execution

05 Debate Engine

The simulation runs through three rounds. Round 1 establishes opening positions. Round 2 introduces challenges and counterarguments. Round 3 asks agents to revise and defend their final positions.

The final synthesis converts the discussion into bullish, neutral and bearish probability weights while preserving the reasoning that led to the result.



06 Live Market Intelligence

SimuFi can incorporate live crypto market context including price movement, volume, trend indicators, order-book imbalance and other available signals.

When a provider is unavailable, the application can use alternate market-data sources or clearly indicate that live context is unavailable. Missing data is never treated as proof of an on-chain event.

07 Hypothetical vs. Observed Information

A core design principle is separating what the user proposes from what the system has actually observed. A scenario such as an influencer posting about a token is hypothetical unless verified data is available.

The simulation should not invent holders, transactions, liquidity, news coverage, partnerships, exchange listings or price levels. This keeps assumptions distinct from observations.

08 Scenario Templates

Scenario Templates provide fast starting points for common crypto situations: Whale Sell-Off, CEX Listing, Major Partnership, Influencer Post, Token Unlock, Protocol Exploit, BTC Breakout and Liquidity Surge.

Templates are structured prompts rather than guaranteed outcomes. Users can edit them and run a customized simulation.

09 The SimuFi Verdict

The verdict summarizes the debate using bullish, neutral and bearish probability buckets, together with the primary drivers, key risks and agent discussion.

A probability split is not a promise or price target. It represents the simulator's synthesized assessment under the information and assumptions available at the time.

10 What Makes SimuFi Different

SimuFi combines scenario simulation, live market context and multi-agent debate in one workflow. The product emphasizes the reasoning behind an outcome rather than only displaying an outcome.

The goal is not to replace research, traders or analysts. It is to give users a faster environment for stress-testing ideas before acting on them.

11 Technology

The application is built as a modern web product with separate interface, simulation API, market-data and agent/debate layers.

The architecture is designed for straightforward deployment while supporting both hosted workflows and local AI execution.

12 Ollama & Local AI

SimuFi supports Ollama for local model execution, allowing users to run compatible language models on their own machines.

A local endpoint such as 127.0.0.1 is available to the user's computer, not a remote Vercel server. Remote production inference therefore requires a reachable AI endpoint.

13 Roadmap

Near-term development focuses on simulation quality, market-data resilience, agent reasoning and the research workflow.

Future directions may include deeper on-chain data, richer scenario builders, persistent history, improved agent memory, additional AI model providers and collaborative research features.

14 Limitations

SimuFi operates under uncertainty. Live data can be delayed, incomplete or unavailable, and AI agents can misunderstand scenarios or over-weight weak evidence.

A simulation cannot know future events. Its usefulness comes from structured exploration, not certainty. Important claims should be verified against primary sources and current market information.

15 Risk Notice

SimuFi provides simulated analysis for informational and educational purposes only. It is not financial advice, investment advice, a solicitation, a guarantee, or a prediction of future performance.

Crypto assets are highly volatile and can result in substantial or total loss. Users are responsible for their own research, risk management and decisions.

16 Vision

SimuFi's long-term vision is to become a research layer for on-chain markets where users can stress-test narratives, catalysts and market events through competing AI perspectives before acting on them.

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