Sublime Sounds – Rhythm Master

Technical Specifications

Sublime Sounds – Rhythm Master is a browser-based rhythm game built using HTML, CSS, and vanilla JavaScript. It integrates directly with the WAX blockchain for wallet authentication, NFT-based music playback, and SSN token payments. The application is fully client-side and requires no backend.

Gameplay Engine

The game uses a five-lane vertical rhythm system. Notes are generated based on the duration of the audio track and synchronized to audio.currentTime to prevent timing drift. Input latency is minimized by avoiding animation timers for scoring logic.

Scoring & Combos

Scores are calculated using an accuracy-weighted formula multiplied by a combo-based multiplier system. Multipliers increase at defined combo thresholds and reset upon misses.

Blockchain Integration

Wallet authentication is handled via waxjs. NFTs are loaded using the AtomicAssets API and parsed from template-level immutable metadata. SSN payments are processed via a direct on-chain transfer using metatoken.gm.

Leaderboards

Leaderboards are stored using browser localStorage. Each leaderboard is scoped by season and track name. Scores persist across sessions until an admin-triggered season reset occurs.