
Non-Technical Roadmap: Granular Technical Feature Requirements for Aura, Samsara, and Airscape

Why Are We Building This?

Airscape reimagines short-term stays by creating a user-owned, decentralized ecosystem for **boutique unique stays**—curated, experiential destinations for crypto natives, bohemians, and dreamers. Key goals include:

- **Cross-Border Investments:** Enable seamless investment in unique stay properties through tokenized assets, including a dashboard for investing in 50% of larger new properties.
- **Liquidity:** Provide minute-by-minute trading markets for real estate investments, making them hyper-liquid, with easy liquidity addition.
- **Transparency:** Use Prasaga's supply chain tracking for on-chain financials, including consumables, ensuring local sourcing, and provide a financials dashboard for Airscape as an index token with AI insights.
- **Direct Payouts:** Deliver instant bookings and payouts from a decentralized trust, with governance tied to staked tokens.
- **Accessibility:** Ensure users can participate without blockchain knowledge, using fiat payments (including credit cards, SEPA, etc.) and simplified wallet management (introduced in Phase 4), with the ability to send rewards to bank accounts.
- **Community Benefits:** Provide airdrops to Aura holders from future resorts, enable community-driven proposals and charitable initiatives, reward holders with referral booking rewards, support local economies through a user-rated vendor ecosystem, and allow staked rewards to be transferred for new property investments.
- **Sustainability:** Prioritize environmental preservation, green energy, sustainability, and local economic support in new builds, charitable projects, and operations.
- **Symbiotic Integration:** Build a crazier, cooler booking system that allows users to book directly through Airscape's innovative platform while always offering the option to book through Airbnb and other external platforms (e.g., Tablet Hotels, Booking.com, Expedia), fostering a symbiotic relationship that enhances user choice and leverages external platforms' reach.
- **Index Token Revenue Sharing:** As an index token, Airscape redistributes revenue to all holders, with transparent financials and AI-driven insights to inform investment decisions.
- **Long-Term Vision:** Create a global network of boutique unique stays with a cutting-edge, decentralized booking system that offers unparalleled features

(including transport booking and local vendor services), works in harmony with established platforms, supports local economies, and provides equitable investment opportunities for holders.

Governance Note

- **Charter Governance:** All token holder decisions are governed by a predefined charter to limit attack vectors, preventing 51% attacks or governance attacks via financial force. The charter ensures the foundation retains control over critical decisions (e.g., builds, major financial moves), while token holders vote on specific categories (e.g., new stay locations, upgrades, treasury acquisitions, charitable funding).

Phase 1: Aura Foundation (9 Sub-Phases)

Goal: Build foundational tech for Aura on Solana, adding early fiat accessibility via MoonPay.

Phase 1.1: Domain, Landing Page, Token Launch, Blog, and Explanation Page (Already Live)

Technical Features Already Built:

- **Domain and Landing Page:** aurabnb.io live, vision statement emphasizing boutique unique stays, email sign-up form.
- **Blog Feature:** Static blog posts, basic navigation.
- **Explanation Page:** Details on vision, governance, tokenomics.
- **Believe.app Token Launch:** AURA token launched on Solana, graduated to Meteora.

Phase 1.2: Multisig Wallet for Funding with Placeholders

Technical Features to Build:

- **Multisig Wallet Smart Contract:** 3-of-5 signatures for funding, emit transaction events, foundation keys.
- **Multisig Transaction Display:** Display wallet address, transactions (date, amount, transaction hash).
- **Placeholders for Additional Categories:** Business costs, Marketing.

Phase 1.3: Value Indicator (Value Metric)

Technical Features to Build:

- **Value Indicator Smart Contract:**
 - Smart contract on Solana to calculate Aura's value.

- Track treasury assets (volatile: tokens, LP positions on Meteora), fetch speculative interest (token market cap via Meteora API), placeholder for hard assets (initially zero).
- Calculate: $\text{Total Value} = \text{Speculative Interest} + \text{Volatile Assets} + \text{Hard Assets}$.
- **Value Indicator Display:**
 - Spreadsheet-style table on aurabnb.io: Speculative Interest, Volatile Assets, Hard Assets, Total Value, real-time updates.

Phase 1.4: Messaging Board for Community Suggestions

Technical Features to Build:

- **Messaging Board Backend:** Smart contract on Solana: Register users, fetch token balance, submit/store suggestions.
- **Messaging Board Frontend:** “Community Board” on aurabnb.io: Sign-up (basic email/password), display token balance, suggestion form, list suggestions, moderation toggle.

Phase 1.5: Gamified Contract Features with Stake to Earn

Technical Features to Build:

- **Gamified Contract Features:**
 - **Taxation:** Variable buy/sell tax (0-10%), toggle on/off.
 - **Token Burn via Believe.app API:** Burn 50% of tax, toggle on/off.
 - **Auto-Compound Liquidity:** 50% of tax to Meteora liquidity, toggle on/off.
 - **Note:** These features are dictated by the team based on community voting metrics and can be turned off by the team if needed.
- **Stake to Earn Mechanism:**
 - Smart contract on Solana: Stake AURA to earn rewards in various tokens (AURA, SOL, or others), 1% of staked amount per week, capped at 5% of total supply per token type, rewards pool (5% of AURA supply, configurable for others), no lockup.
 - Interface on aurabnb.io: “Stake to Earn” section, display staked amount, earned rewards, claim button.

Phase 1.6: Basic Treasury Monitoring Dashboard

Technical Features to Build:

- **Treasury Monitoring Dashboard:** Display treasury movements, table (date, amount, category, transaction hash), include burns and liquidity additions.

Phase 1.7: Governance for Treasury Acquisitions

Technical Features to Build:

- **Governance Smart Contract:** 1 token, 1 vote, proposals for treasury acquisitions, 7-day voting, charter-guided.
- **Governance Interface:** Display proposals, voting interface (yes/no), show results.

Phase 1.8: Time-Weighted Staking and Social Features

Technical Features to Build:

- **Time-Weighted Staking Smart Contract:** Stake for governance, time-weighted, minimum voting threshold (placeholder), unstake anytime.
- **Staking Interface:** Display staked amount/duration, stake/unstake buttons, placeholder for rewards (post-property).
- **Cross-Chain Bridge to Cosmos:** Bridge AURA tokens to Cosmos, placeholder for staking/money markets, use Cosmos SDK.
- **Social Media Integration:** Embed X posts, Telegram/Discord links, recent Telegram messages.

Phase 1.9: MoonPay Integration for Buying AURA

Technical Features to Build:

- **MoonPay Integration for Onramp:**
 - Backend: Integrate MoonPay API for fiat-to-crypto onramp.
 - Features: Buy AURA with fiat (USD, EUR, etc.) via credit card, Apple Pay, or bank transfer, MoonPay handles KYC, tokens delivered to a temporary backend wallet (linked to user's email).
 - Interface on aurabnb.io: "Buy AURA" button, select amount/currency, redirect to MoonPay checkout, display updated balance.

Phase 2: Aura Expansion, DEX, and Samsara Seed Raise (5 Sub-Phases)

Goal: Expand Aura's tech with an internal DEX and transparent fund distribution.

Phase 2.1: Property Showcase for Aura Stays

Technical Features to Build:

- **Property Showcase Section:** Display Volcan stay and 2 new Aura stays, emphasize boutique unique stays (e.g., "Volcan: A secluded eco-retreat with volcano views"), placeholder for Airbnb links.

Phase 2.2: Airbnb Integration for Aura Bookings

Technical Features to Build:

- **Airbnb Booking Integration:**

- Add Airbnb redirect buttons for Volcan and new stays, link to Airbnb listings.
- Payment via MoonPay: Users can pay with fiat (e.g., “Book Volcan Stay for \$200”), MoonPay converts to AURA for on-chain payment.
- **First Property Completion:** Static update: Mark Volcan stay as “built” (e.g., “Volcan Stay Now Open!”).

Phase 2.3: Decentralized Trust Setup with Transparent Fund Distribution

Technical Features to Build:

- **Decentralized Trust Smart Contract:**
 - Smart contract on Solana: Hold assets transparently, label funds (80% new stays, 10% marketing, 5% operations, 5% business costs), emit events for all transactions.
 - Transparent Distribution: Funds withdrawn from the trust are sent to a distribution smart contract, enforcing predefined allocations, logged on-chain (e.g., “May 23, 2025: \$10,000 withdrawn—\$8,000 to new stay, \$1,000 to marketing”).
- **Trust Transparency Display:**
 - Update treasury dashboard: Display trust funds, label allocations.
 - “Distribution History” tab: Table (date, total amount withdrawn, breakdown by category, transaction hash), filters (date, category), visuals (pie chart, line graph).

Phase 2.4: Internal DEX, Token Trading Screen, Samsara Airdrop Display, and Easy Add Liquidity Feature

Technical Features to Build:

- **Internal DEX Smart Contract for Aura:** AURA/USDC pool, trading fees to treasury (0.3%), price oracle (Meteora API fallback).
- **Token Trading Screen for Aura:** “Trade” section: Live AURA price, trading interface (buy/sell), 24-hour price chart, wallet integration (temporary backend wallet).
- **Custom Dashboard with API Integrations:** AURA token stats (market cap, supply), recent trades, Meteora API for AURA/USDC liquidity pool balance.
- **Samsara Airdrop Display:** Display airdrop details, snapshot mechanism, table (wallet address, AURA balance, estimated SAMSARA airdrop).
- **Easy Add Liquidity Feature with Pool Indicators:**
 - “Liquidity” subsection: One-click add liquidity (fiat via MoonPay or crypto), pool indicators (total liquidity, user’s share, trading volume, fees earned, impermanent loss estimate), visuals (bar chart, line graph).

Phase 2.5: Meteora Integration and Samsara Seed Token Launch

Technical Features to Build:

- **Meteora Integration for Liquidity Pool Balances:** Fetch/display AURA LP positions (AURA/SOL, AURA/USDC), table (pool name, balances, total liquidity value), update value indicator.
 - **Samsara Seed Token Smart Contract:** Token issuance (\$1,200,000 of \$8,888,888 tokens), 10% tax (5% Solana reflections, 2.5% burn, 2.5% to liquidity), airdrop to Aura holders (execute snapshot).
 - **Samsara Public Sale Page:**
 - Token purchase interface (USDC, WBTC, WETH; MoonPay fiat option: “Buy with \$100”), live counter for funds raised, on-chain transparency.
 - **Samsara Vision Teaser:** Static text: “Samsara: A Boutique Eco-Conscious Community in Dominical, Costa Rica”.
 - **Treasury and Value Indicator Update:** Include Samsara raise funds in treasury dashboard and value indicator.
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Phase 3: Samsara Pilot Launch (5 Sub-Phases)

Goal: Build the tech for Samsara’s eco-community, ensuring local sourcing for all food and items.

Phase 3.1: Samsara Booking Page and Property Details

Technical Features to Build:

- **Samsara Booking Page:** “Samsara” section on aurabnb.io: Display 45 eco-conscious units (ocean view, gym, conference center, off-grid farm, solar energy, natural pool), static text: “Coming soon: Bookings for Samsara—a boutique unique stay experience”.

Phase 3.2: Airbnb Integration for Samsara Bookings

Technical Features to Build:

- **Airbnb Booking Integration:**
 - Add Airbnb redirect button (“Book on Airbnb”), link to Samsara’s Airbnb listing.
 - Payment via MoonPay: “Book Samsara for \$500” (MoonPay converts fiat to AURA).
- **Booking Transparency Placeholder:** Static text: “Booking transparency coming soon via Prasaga integration”.

Phase 3.3: Airbnb Ratings Integration

Technical Features to Build:

- **Airbnb Ratings Integration:**
 - “Reviews” subsection for each property (Volcan, new Aura stays, Samsara).

- Fetch ratings/comments via Airbnb API, display average rating (e.g., “Volcan Stay: 4.8/5”), list reviews, sorting options, moderation toggle.

Phase 3.4: Prasaga Transparency Integration with Free Resources, Consumables Tracking, and Local Sourcing

Technical Features to Build:

- **Prasaga Transparency Integration:**
 - Smart contract on Solana: API to fetch financial data (bookings, purchases, expenditures) via Prasaga, track on-chain (no customer data, include vendor data).
- **Supply Chain Tracking for Consumables with Local Sourcing:**
 - Minibars: Track items (snacks, drinks—soda, water, alcohol), ensure all items are sourced locally (e.g., “Snacks from Local Vendor A, Costa Rica”), record purchases, restocking costs, vendor details.
 - Tours and Extra Services: Track purchases (e.g., guided hike: \$50, massage: \$80), ensure vendors are local (e.g., “Hike Guide: Local Vendor B, Costa Rica”), record vendor payments, guest charges.
 - Coffee Bar Services: Track sales (e.g., espresso: \$5), ensure inventory (coffee beans, milk) is locally sourced (e.g., “Coffee Beans from Local Farm C, Costa Rica”), record vendor purchases.
 - Local Items and In-Room Consumables: Track local items (e.g., handmade soaps), in-room consumables (e.g., bottled water, toiletries), ensure all are locally sourced (e.g., “Soaps from Local Artisan D, Costa Rica”), record sourcing costs, vendor details.
 - Drinks: Track all drink purchases (cocktails, juices) across minibars, coffee bars, events, ensure local sourcing (e.g., “Juices from Local Farm E, Costa Rica”), record inventory and vendor data.
 - On-chain logging: Record each transaction with local sourcing verification (e.g., “May 23, 2025: Purchased 100 bottles of water for \$50 from Local Vendor X, Costa Rica”).
 - Local sourcing enforcement: Smart contract flags non-local vendors, requires manual override by the team for exceptions.
- Free resources: Subsidize all Prasaga transaction fees for users, paid by the platform.
- **Transparency Dashboard (Basic):**
 - Display financials (bookings, purchases, expenditures), table (date, type, amount, transaction hash).
 - “Consumables” tab: Categories (Minibars, Tours, Coffee Bar, etc.), table (date, category, item, quantity, cost, vendor, transaction hash), filters (category, date, property, vendor locality).
 - Local sourcing compliance: Highlight non-local sourcing incidents (e.g., “Non-local vendor used: Awaiting approval”).

Phase 3.5: POS System and Value Indicator Update

Technical Features to Build:

- **POS System with Scanner:**
 - Scanner API for inventory (minibar items, consumables), real-time updates to Prasaga blockchain (free for users), barcode/QR code scanning.
 - Track sales of drinks, coffee bar items, tour bookings, extra services, local items at POS, ensure all items are locally sourced.
 - Flag non-local items at POS: Display warning if non-local items are scanned (e.g., "Non-local item detected: Use local alternative").
 - **POS Transaction Display:**
 - Update transparency dashboard: Add POS transactions table (date, item, amount, vendor, transaction hash), highlight consumables and local sourcing status.
 - **Value Indicator Update:** Include hard assets (appraised value of Samsara land), recalculate Total Value.
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Phase 4: Airscape MVP (7 Sub-Phases)

Goal: Build the Airscape platform, adding wallet integration, referral rewards, symbiotic booking options, and an enhanced local vendor ecosystem.

Phase 4.1: Custom Booking Engine with Airbnb Calendar Integration

Technical Features to Build:

- **Custom Booking Engine for Aura and Samsara:**
 - Book directly through Airscape with fiat (via MoonPay)/crypto (BTC, ETH, stablecoins), calendar for availability/occupancy, highlight boutique unique stays.
 - Symbiotic Integration: Add option to book through Airbnb (e.g., "Book on Airbnb" button), redirect to Airbnb listing with tracking.
 - Innovative features: Include Airscape booking perks (e.g., "Book with Airscape to earn 1% AURA cashback"), gamified booking (e.g., "Spin to win a discount!"), 360-degree virtual tours.
- **Airbnb Calendar Integration:**
 - Pull Airbnb calendars for each property, display bookings/availability, ensure sync to avoid double bookings.

Phase 4.2: Internal DEX Expansion for Samsara and Airscape Tokens

Technical Features to Build:

- **Internal DEX Smart Contract Expansion:**

- Add SAMSARA/USDC and AIRSCAPE/AURA pools, trading fees to Airscape DAO, update price oracle.
- Update liquidity feature: Add SAMSARA/USDC pool to “Liquidity” subsection with pool indicators.
- **Token Trading Screen Update:**
 - Add SAMSARA and AIRSCAPE to trading interface, live prices, advanced charts, limit orders.
- **Airscape Token Smart Contract:** Token issuance (placeholder), 1% allocation to Samsara seed holders, configure AIRSCAPE as an index token that redistributes revenue to holders (mechanism to be detailed in Phase 6.2).

Phase 4.3: Instant Stake/Unstake, Booking Integration, and Referral Booking Rewards System

Technical Features to Build:

- **Instant Stake/Unstake Smart Contract:** Instant stake/unstake, claim rewards (Solana reflections), track for governance.
- **Staking and Booking Interface:**
 - Stake/unstake buttons, claim rewards, “Use Rewards to Book” button.
- **Booking Engine Update:**
 - Accept claimed staking rewards as payment.
 - Symbiotic Integration: Show “Book with Airscape” alongside “Book on Airbnb,” with Airscape bookings offering unique perks.
- **Referral Booking Rewards System for Holders:**
 - Smart contract on Solana: Holders (AURA, SAMSARA, AIRSCAPE, min. 100 tokens) generate referral links, earn 2% of booking value in AURA tokens (e.g., \$4 for a \$200 booking), funded from treasury (1% annually).
 - Interface: “Refer & Earn” subsection in user dashboard: Display referral link, stats (referred user, booking date, value, reward), rewards apply to Airscape bookings but referrals can drive traffic to Airbnb.

Phase 4.4: Internal Booking System for Larger Airscape Properties with AuraBNB Integration

Technical Features to Build:

- **Internal Booking System for Airscape Properties:**
 - Direct bookings for larger Airscape properties (e.g., Bali Resort) and AuraBNB properties (e.g., Volcan, Playa Hermosa), highlight boutique unique stays.
 - Features:
 - Pay with fiat (via MoonPay)/crypto/rewards, calendar sync with Airbnb, guest/host dashboards.

- Innovative features: Add Airscape perks (e.g., “Book with Airscape to unlock a local cultural experience”), AI-driven recommendations, community-driven reviews.
- Symbiotic Integration: Include options to book through Airbnb and Tablet Hotels (e.g., “Book on Airbnb” or “Book on Tablet Hotels” buttons), redirect with tracking.
- Vision note: “Build a crazier, cooler booking system with innovative features, while maintaining symbiotic integration with Airbnb and other platforms.”
- **External Platform Integration:**
 - Airbnb: Maintain integration, ensuring users can always book through Airbnb.
 - Tablet Hotels: Add redirect buttons for AuraBNB and Airscape properties, link to listings (manual URL or API).

Phase 4.5: User-Friendly Wallet Integration with Expanded Payment Methods and Reward Withdrawal

Technical Features to Build:

- **Non-Custodial Wallet System:**
 - Wallet creation, secure key storage (biometrics/PIN), recovery mechanism, no blockchain knowledge required, migrate temporary backend wallets.
 - Interface on aurabnb.io: “Sign Up” button, set up biometrics/PIN, display “Your Account” balance.
- **Expanded Fiat Onramps and Offramps (Outsourced):**
 - Integrate MoonPay (and optionally Ramp) for onramps/offramps, supporting credit cards, SEPA payments, Google Pay, ACH, iDEAL, etc., fee transparency, KYC via MoonPay.
 - Interface: “Add Funds” and “Withdraw Funds” buttons, select payment method, redirect to MoonPay/third-party checkout.
- **Send Rewards to Bank Account:**
 - “Withdraw Rewards” option in “Stake to Earn” section: Convert rewards to fiat via MoonPay, send to bank account (supports SEPA, ACH, etc.), fee transparency, bank account linking via MoonPay.
- **Simple Mode Toggle:**
 - Default mode: Show blockchain features.
 - Simple Mode: Hide blockchain features, display fiat equivalents, handle crypto interactions in the backend.
- **Seamless Fiat Payments for Participation:**
 - Book stays, participate in governance, auto-deduct fees from fiat balance (supports credit cards, SEPA, etc.), Simple Mode hides crypto interactions.

Phase 4.6: Live Expense Monitoring Dashboard with AI, Predictive Insights, Local Vendor Services Integration, Vendor Application, and Feedback System

Technical Features to Build:

- **Live Expense Monitoring Dashboard:**
 - Real-time expense tracking, table, aggregated metrics, visualizations, include consumables data from Prasaga (with local sourcing details).
 - Simple Mode: “Expenses: \$5,000” (no blockchain details).
- **AI-Driven Market Insights:**
 - Analyze crypto/hospitality trends, sentiment analysis, display insights.
- **Predictive Financial Trends:**
 - Predict revenue, occupancy, expenses (including consumables and local vendor services), token price impact, forecast graph, risks/opportunities.
- **Sophisticated Investor Features:**
 - Exportable reports, custom filters, performance assessment.
- **Local Vendor Services Integration with Application and Feedback System:**
 - “Local Services” section on aurabnb.io.
 - **Vendor Application Process:**
 - Application form: “Vendor Application” subsection for local service providers to apply.
 - Fields: Business name, location (within 50 km of a property), services offered (e.g., tours, catering), pricing, sustainability practices, contact details, proof of locality.
 - Location-specific: Vendors select which Airscape property they’ll serve (e.g., “Volcan Stay, Costa Rica”).
 - Team vetting: Approve vendors based on proximity, economic impact, sustainability.
 - On-chain logging: Record approved vendors on-chain (e.g., “May 23, 2025: Vendor A approved for Volcan Stay”).
 - **Vendor Directory:**
 - List approved vendors by property and category (e.g., “Volcan Stay: Local Guides—Vendor A, Costa Rica”).
 - Vendor profiles: Display name, location, services offered, pricing, sustainability credentials, contact details.
 - Booking integration: Users can book vendor services directly through Airscape (e.g., “Book a Local Guide for \$50”).
 - **User Feedback and Rating System:**
 - Feedback mechanism: Post-service rating prompt (e.g., “Rate your experience with Vendor A”).
 - Rating system: 1-5 stars, optional comments (e.g., “5 stars: Amazing tour guide!”).
 - On-chain logging: Record feedback on-chain (e.g., “May 23, 2025: User123 rated Vendor A 5 stars”).
 - Vendor profile update: Display average rating and reviews (e.g., “Vendor A: 4.8/5, 10 reviews”).

- Quality assurance: Flag vendors with low ratings (e.g., “Vendor B: 2.5/5—Under Review”), team can suspend/remove vendors if necessary.
- **Transparency Dashboard Update:**
 - “Local Services” tab: Table (date, service, vendor, amount, economic impact, user rating, transaction hash), filters (category, property, vendor).
 - Economic impact metrics: Display total contributions to local economies (e.g., “\$10,000 to Costa Rican vendors in 2025”).

Phase 4.7: Cost Indicators for Management Expenses

Technical Features to Build:

- **Cost Indicators for Management Expenses:**
 - Calculate management expenses (staff, cleaning, Airbnb fees, consumables, local vendor services), fetch Airbnb revenue, compute expense-to-revenue ratio, breakdown by property, visuals (bar chart, trend line).
 - Include local sourcing and vendor service costs: Highlight expenses for locally sourced consumables and services (e.g., “Local Vendor Costs: \$1,000”).
 - Vendor performance impact: Show cost vs. rating correlation (e.g., “Vendor A: \$500, 4.8/5—High value”).
 - Simple Mode: “Expenses: 30% of revenue for Volcan Stay.”

Phase 5: Airscape Full Launch and Partnerships (5 Sub-Phases, Updated)

Goal: Scale Airscape with event booking, airdrops for Aura holders, enhanced local vendor integration, and new property investment opportunities.

Phase 5.1: Expanded Investment Hub for Property Purchases, Construction

Tracking, Airdrops for Aura Holders, and New Property Investment Dashboard

Goal: Add a dashboard for users to invest in 50% of larger new properties and transfer staked rewards to fund investments.

Technical Features to Build:

- **Expanded Investment Hub Interface:**
 - Property listings (e.g., “Bali Resort—a boutique unique stay”), detailed pages, investment tiers, risk/reward analysis, payment options (fiat via MoonPay—credit card, SEPA, etc./crypto), on-chain tracking, KYC integration, visuals.

- Simple Mode: “Invest \$1,000 in Bali Resort” (backend converts to tokens).
- **Live Construction Tracking Module:**
 - Display progress updates, budgets/costs/milestones on-chain.
 - Highlight local sourcing: Show construction materials and labor sourced locally (e.g., “Bali Resort: 80% materials from local suppliers”).
- **Airdrops for Aura Holders from Future Resorts:**
 - Smart contract on Solana: Allocate 0.5% of each new resort’s token issuance to Aura holders.
 - Snapshot and distribute proportionally, log on-chain (e.g., “May 23, 2025: 0.5% Bali Resort tokens airdropped to Aura holders”).
 - Interface: “Airdrops for Aura Holders” subsection in “Invest” section: Dashboard of upcoming builds, airdrop details, user’s estimated airdrop, historical airdrops table, visuals (timeline, pie chart).
- **New Property Investment Dashboard:**
 - Add a “New Property Offerings” subsection in the Investment Hub.
 - Features:
 - **Larger Property Investment:**
 - List larger new properties available for investment (e.g., “Thailand Eco-Resort: \$5M total raise”).
 - Allocation: 50% of each property’s investment pool is open to Airscape users (e.g., “\$2.5M available for user investment”), the other 50% funded by Airscape or institutional investors (as per existing DAO structure in Phase 6.1).
 - Investment tiers: Users can invest in tiers (e.g., “Tier 1: \$1,000-\$10,000, Tier 2: \$10,001-\$50,000”), with proportional ownership tokens issued (e.g., “Invest \$10,000 for 0.1% ownership of Thailand Eco-Resort”).
 - Payment options: Fiat via MoonPay (credit card, SEPA, etc.), crypto (BTC, ETH, stablecoins), or transfer of staked rewards.
 - **Staked Rewards Transfer:**
 - Smart contract on Solana: Allow users to transfer staked rewards (from AURA, SAMSARA, AIRSCAPE staking) to fund new property investments.
 - Mechanism: Users can claim rewards (e.g., “You have 100 AURA in staking rewards”) and redirect them to the investment pool (e.g., “Use 50 AURA to invest in Thailand Eco-Resort”).
 - Conversion: If rewards are in different tokens (e.g., AURA to AIRSCAPE), use the internal DEX (from Phase 4.2) to swap tokens at market rates, with minimal fees (e.g., 0.3% swap fee to treasury).
 - On-chain logging: Record reward transfers and investments (e.g., “May 23, 2025: User123 transferred 50 AURA rewards to invest in Thailand Eco-Resort, Tx Hash 0x123”).

- Interface:
 - Dashboard: List available properties (e.g., “Thailand Eco-Resort: \$2.5M pool, 30% filled”), show investment progress (e.g., progress bar), investment tiers, and user’s current investment (e.g., “You’ve invested \$5,000”).
 - Staked rewards option: Display user’s staked rewards (e.g., “Available Rewards: 100 AURA, 50 SAMSARA”), button to “Use Rewards for Investment,” with swap option if needed (e.g., “Swap 50 AURA to AIRSCAPE for investment”).
 - Simple Mode: “Invest \$1,000 in Thailand Eco-Resort or use your rewards (\$100 worth)” (backend handles token swaps).
- Transparency: Update treasury dashboard (Phase 1.6) to include a “New Property Investments” tab: Table (date, property, user investment, reward transfer, transaction hash), show total user investments (e.g., “Users invested \$1M in Thailand Eco-Resort”).

Phase 5.2: Event Booking for Larger Resorts

Technical Features to Build:

- **Event Booking System:**
 - “Events” subsection for Airscape resorts (e.g., Bali Resort).
 - Features:
 - Book events (weddings, retreats), specify details (date, guests, requests), dynamic pricing, calendar sync, payment options (fiat via MoonPay—credit card, SEPA, etc./crypto/rewards), guest/host dashboards.
 - Innovative features: Offer unique event perks (e.g., “Book with Airscape for a complimentary cultural ceremony”), interactive event planning tools (e.g., drag-and-drop seating), community-driven event ideas.
 - Symbiotic Integration: Include options to book through Airbnb (e.g., “Book Event on Airbnb”), redirect with tracking.
 - Local vendor integration: Allow users to book local vendors for events (e.g., “Hire Local Caterer: Vendor F, Bali, 4.9/5”), ensure all event consumables are locally sourced.
 - Consumables tracking: Include event-related consumables (e.g., drinks for wedding: \$500, sourced from Local Farm G), log via Prasaga.
 - Simple Mode: “Book a wedding at Bali Resort for \$5,000” (backend handles tokens).
 - Highlight boutique unique stays: “Host a Balinese cultural wedding at Bali Resort with top-rated local vendors.”

Phase 5.3: Enhanced DEX Features and DeFi Protocol Exploration

Technical Features to Build:

- **Enhanced DEX Features:**
 - Margin trading, staking pools, dynamic fees, cross-chain trading, advanced charting, trading analytics, portfolio tracker, slippage settings.
 - Update liquidity feature: Add AIRSCAPE/USDC pool to “Liquidity” subsection with pool indicators.
 - Simple Mode: Hide trading, show fiat equivalent (e.g., “Your Investments: \$2,000”).
- **DeFi Protocol Integration:**
 - Serum, Raydium, Orca integrations.

Phase 5.4: Derivatives for Airscape Tokens

Technical Features to Build:

- **Derivatives Smart Contract:**
 - Futures: Perpetual futures for AURA, SAMSARA, AIRSCAPE (5x leverage), funding rate, liquidation engine.
 - Options: Call/put options, expiry dates, strike prices, premium payment.
- **Derivatives Trading Interface:**
 - “Derivatives” tab: Select contract type/token, display open positions, margin management, options chain.
 - Simple Mode: Hide derivatives (future expansion possible).

Phase 5.5: In-House Lending Protocol

Technical Features to Build:

- **Lending Protocol Smart Contract:**
 - Collateralized loans: Borrow against staked tokens (50% LTV), dynamic interest, auto-liquidation.
 - Reverse mortgage: Borrow against property ownership, on-chain tracking, interest accrual.
- **Lending Interface:**
 - “Lending” section: Collateral selection, loan calculator, loan management, reverse mortgage option.
 - Simple Mode: “Borrow \$500 against your investment” (backend handles tokens).

Phase 6: Global Expansion (5 Sub-Phases, Updated)

Goal: Scale Airscape to 40+ boutique unique stay properties globally, enhancing the booking system, local vendor ecosystem, financial transparency, and community-driven initiatives.

Phase 6.1: Global Property DAO System

Technical Features to Build:

- **Global Property DAO Smart Contract Template:**
 - Template for new DAOs: Each property gets its own DAO trust, 50% funded by Airscape, 50% by new investors (including user investments from Phase 5.1), revenue allocation (5% to Airscape trust, 36.5% to active DAO members), AIRSCAPE token voting, charter-guided.
 - Airdrop integration: Include 0.5% airdrop to Aura holders in each new resort's token issuance.
 - Local sourcing and vendor requirement: Enforce local sourcing for all consumables and services, require DAO operations to use approved local vendors.
- **Property DAO Interface:**
 - "Global Properties" section: List DAOs, DAO dashboard (ownership, staking, voting, revenue share, local vendor contributions, vendor ratings), join DAO (stake AIRSCAPE tokens).
 - Investment tracking: Show user investments in DAOs (e.g., "You invested \$5,000 in Thailand Eco-Resort DAO").
 - Simple Mode: "Join Bali Resort community for \$100" (backend handles staking).

Phase 6.2: Global Transparency Enhancements with Airscape Index Token Financials Dashboard

Goal: Add a financials dashboard for Airscape as an index token, aggregating data with clickable sources and AI insights.

Technical Features to Build:

- **Global Transparency Dashboard:**
 - Aggregate expenses across properties, including consumables and local vendor services, multi-language support, currency conversion, advanced filters.
 - Include trust distribution data: Show global distribution history (e.g., "\$50,000 to Bali Resort build: 80% new stays, 10% marketing").
 - Local economic impact: Display total contributions to local economies (e.g., "\$100,000 to local vendors globally in 2025"), breakdown by region (e.g., "Costa Rica: \$30,000, Bali: \$20,000").
 - Vendor performance: Show global vendor ratings (e.g., "Top-Rated Vendors: Vendor F, Bali, 4.9/5").
 - Simple Mode: "Total Expenses: \$10,000" (no blockchain details).
- **Airscape Index Token Financials Dashboard:**
 - Add an "Airscape Financials" section on aurabnb.io.
 - **Revenue Redistribution Mechanism:**

- Smart contract on Solana: Configure AIRSCAPE as an index token that redistributes revenue to holders.
- Mechanism: Aggregate revenue from all properties (e.g., bookings, event fees, vendor services), deduct operational costs (e.g., 20% for maintenance, local vendor payments), redistribute the remainder proportionally to AIRSCAPE holders (e.g., “User123 holds 1% of AIRSCAPE supply, receives 1% of \$10,000 revenue = \$100”).
- Frequency: Monthly distributions, logged on-chain (e.g., “May 23, 2025: Distributed \$10,000 to AIRSCAPE holders, Tx Hash 0x456”).
- **Aggregated Financial Data:**
 - Overview: Display total revenue (e.g., “Total Revenue: \$50,000 in May 2025”), operational costs (e.g., “Costs: \$10,000”), net revenue distributed (e.g., “Distributed: \$40,000”), and average holder payout (e.g., “Average Payout per 1% Holding: \$400”).
 - Breakdown: Table of revenue sources (e.g., “Bookings: \$30,000, Events: \$15,000, Vendor Services: \$5,000”), clickable to drill down (e.g., “Bookings → Volcan Stay: \$10,000, Bali Resort: \$20,000”).
 - Property-level details: Clickable links to individual property financials (e.g., “Bali Resort Financials: Revenue \$20,000, Consumables \$2,000, Vendor Services \$3,000”).
 - Vendor services: Clickable links to vendor contributions (e.g., “Vendor F, Bali: \$1,000, 4.9/5 rating”).
 - On-chain transparency: All data logged via Prasaga, with transaction hashes for verification (e.g., “Revenue Distribution Tx Hash: 0x789”).
- **AI-Driven Insights:**
 - Revenue trends: Analyze historical revenue data, display trends (e.g., “Booking revenue up 15% MoM”), forecast future revenue (e.g., “Projected June 2025 Revenue: \$60,000”).
 - Holder distribution forecasts: Predict payouts based on holding size (e.g., “If you hold 2% of AIRSCAPE, expect \$800 next month”).
 - Risk analysis: Highlight risks (e.g., “High occupancy in Bali Resort, but low in Volcan Stay—diversify investments”), opportunities (e.g., “Thailand Eco-Resort expected to increase revenue by 20%”).
 - Visuals: Line graph of revenue over time, pie chart of revenue sources (e.g., “60% Bookings, 30% Events”), bar chart of payouts by holder tier (e.g., “Top 10% holders received 50% of payouts”).
- **User Experience:**
 - Simple Mode: “Airscape Revenue: \$50,000, Your Payout: \$100” (hides blockchain details).
 - Advanced Mode: Full dashboard with clickable sources, AI insights, and on-chain transaction links.
- **Enhanced Predictive Analytics:**

- Global market trends, cross-property predictions (including consumable expenses, local vendor contributions, vendor performance, AIRSCAPE revenue), risk assessment, visualizations.

Phase 6.3: Global Partnership, Affiliate Program Expansion, and Proposal Portal Technical Features to Build:

- **Global Partnership Approval System:**
 - Partner application form, approval workflow, on-chain tracking.
 - Simple Mode: “Vote to approve new partner: \$1 fee” (backend handles voting).
- **Enhanced Affiliate Program Module:**
 - Global affiliate links, multi-currency payouts, affiliate dashboard, marketing support.
- **Proposal Portal for New Builds:**
 - “Propose a Project” section on aurabnb.io.
 - Features:
 - User Roles: Architects, builders, facility management companies, land owners (team-approved, vetted for sustainability).
 - Collaboration: Approved partners team up to submit proposals (e.g., “Thailand Eco-Resort: Land Owner A + Architect B”).
 - Local vendor requirement: Proposals must include plans for local sourcing and vendor services, specify potential local vendors (e.g., “Vendor G for catering, 4.7/5 rating”).
 - Investment integration: Highlight user investment opportunities (e.g., “50% of Thailand Eco-Resort open for user investment—see Investment Hub”).

Phase 6.4: Advanced Global Features with Major Hotel Booking System Integration, Charitable Voting, and Transport Booking Technical Features to Build:

- **Global Booking Enhancements:**
 - Multi-language support, regional pricing, local payment methods (credit cards, SEPA, etc.), dynamic pricing.
 - Innovative features: Add crazier, cooler booking tools (e.g., NFT-based booking passes for exclusive stays, gamified loyalty programs, VR tours of properties).
 - Symbiotic Integration: Book through Aircscape or external platforms (Airbnb, Booking.com, Expedia), with prominent buttons (e.g., “Book on Booking.com” or “Book with Aircscape for exclusive perks”).
 - Local vendor integration: Highlight local vendor services during booking (e.g., “Add a local Balinese massage for \$80, Vendor F, 4.9/5”).

- **Transport and Additional Services Booking:**
 - Transport booking: Book transport through Airscape using local vendors (e.g., “Book Airport Transfer: \$30, Vendor H, Bali, 4.8/5”), select pickup/drop-off details, payment via fiat (MoonPay)/crypto/rewards.
 - Other services: Expand to additional categories (e.g., “Book Local Photographer: \$100, Vendor I, Bali, 4.7/5”), integrate with existing vendor directory.
 - On-chain logging: Record transport and service bookings via Prasaga (e.g., “May 23, 2025: Booked Airport Transfer for \$30, Vendor H”).
 - Feedback integration: Prompt users to rate transport and additional services post-booking, update vendor profiles with ratings.
- Simple Mode: “Book Bali Resort for \$1,000 and add an airport transfer for \$30” (backend handles tokens).
- **Integration with Major Hotel Booking Systems:**
 - Integrate with Booking.com, Expedia, and other major platforms for larger Airscape resorts (e.g., Bali Resort).
 - Features: API integration for availability/pricing/bookings, redirect buttons (e.g., “Book Bali Resort on Booking.com”), calendar sync, consumables tracking for external bookings.
 - Maintain Airbnb and Tablet Hotels integration for all properties.
- **Global Governance Features with Charitable Voting:**
 - Charitable Funding and Builds Voting:
 - Smart contract: Governance category for charitable initiatives (e.g., “Build a solar-powered school in Bali”).
 - Team vetting: Approve proposals based on past projects, environmental preservation, green energy, sustainability.
 - Local economic focus: Prioritize charitable projects that support local economies (e.g., “Uses local labor and materials for school construction”).
 - Voting: Token holders vote on approved proposals (1 token, 1 vote), 7-day voting period, charter-guided.
 - Interface: “Charitable Initiatives” subsection in governance section: List proposals, vetting status, voting interface, results.
 - Regional voting, time zone adjustments, delegate voting for other governance categories.
- **Scalability Enhancements:**
 - Cross-chain optimization (migrate to Prasaga), load balancing, database sharding.

Phase 6.5: Advanced Staking with DEX Optimization

Technical Features to Build:

- **Multi-Token Staking Smart Contract:**

- Stake multiple tokens (AURA, SAMSARA, AIRSCAPE, SOL, USDC), time-weighted staking, configurable rewards, minimum voting threshold.
 - **DEX Optimization for Staking:**
 - Auto-trading during staking to optimize rates, optimization algorithm, user settings, trade history.
 - Simple Mode: “Stake \$500 to earn rewards” (backend handles token swaps).
 - **Staking Interface Update:**
 - Multi-token staking UI, optimization settings, display staked tokens, rewards, trade history.
 - Investment integration: Add a “Transfer Rewards to Investment” button, linking to the New Property Investment Dashboard (Phase 5.1).
 - Simple Mode: “Earned: \$10” (no blockchain details).
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