Mithivoices – Platform Planning & Architecture Summary

This document summarizes the product, branding, hosting, cost, and payment decisions for the Mithivoices AI voice platform. It is intended as a reference for early-stage development and launch planning.

1. Product & Branding Decisions

• Product name: Mithivoices (used as a platform/product name, not a registered company at this stage).
• Display name on web/UI: Mithivoices (Title Case).
• Technical usage (domains, APIs, GitHub): mithivoices (lowercase).
• AI assistant/persona name: mithiAI.
• No parent company branding for the MVP phase; parent brand can be introduced later.

2. Platform Scope (MVP)

• Core features: Text-to-Speech (TTS), Speech-to-Text (STT), and AI Voice Chat.
• Platform provides multiple AI voice options and styles.
• Focus on local-first and privacy-conscious architecture where possible.

3. Hosting & Architecture

Frontend:
• Hosted on Vercel (Free tier).
• Used for landing pages, authentication UI, and dashboard.

Backend & Auth:
• Supabase (Free tier initially).
• Handles authentication, PostgreSQL database, and limited file storage.

Voice Engine:
• Hosted on Oracle Cloud Always Free VM.
• Runs TTS/STT/Voice Chat engines as long-running services.
• Exposed via secure API endpoint.

4. Cost Estimation (Early Stage)

Estimated monthly costs for MVP stage:
• Supabase Free: $0/month (upgrade to Pro ~$25/month when needed).
• Oracle Cloud Always Free VM: $0/month.
• Vercel Free: $0/month.
• Total early-stage cost: approximately $0/month.

Adding more voice models typically increases memory usage slightly but does not significantly increase cost. Usage limits (characters/minutes per user) are the primary cost control mechanism.

5. Pricing Strategy

Planned pricing (subject to adjustment after cost validation):
• Free plan: $0/month (limited usage).

• Starter (Monthly): $5/month.
• Starter (Semi-Yearly): $25 for 6 months.

Early adopters and selected users can be granted free access via manual whitelisting.

6. Payments

• Payment provider: Stripe.
• Stripe integration prepared in test mode during beta phase.
• Live payments to be enabled only after platform stability and cost confidence.
• Free access and discounts handled via backend logic or Stripe coupons.

7. Free Access & Controls

• Selected users can receive free access through email-based whitelisting.
• Usage limits and rate limits apply to all users to prevent abuse.
• Free users are indistinguishable from paid users in the UI where required.

8. Launch Philosophy

• Start with a lean MVP and minimal costs.
• Validate product value before scaling infrastructure or pricing.
• Avoid premature company registration or trademarking.
• Introduce a parent company brand only when expanding beyond voice products.