PTO Connect Complete MVP Specification

Mission Statement

PTO Connect is a modern, all-in-one web platform that simplifies and supercharges Parent-Teacher Organization operations. With powerful AI features, built-in communication tools, robust planning modules, and integrated payment systems, PTO Connect supports every stakeholder from teachers to volunteers. The system scales with organizations and is designed to be mobile-friendly, secure, and intuitivebridging traditional PTO tasks with innovative technology.

Platform Scope Overview

The platform includes three primary environments:

- 1. \*\*Public Marketing Site (www.ptoconnect.com)\*\*:
- Home, Pricing, Success, Cancel, Create PTO pages
- Stripe-based onboarding with 15-day trial, monthly/annual plans
- Dynamic plan pricing fetched via Stripe `lookup\_keys`
- QR/sign-up code system for unique PTO environment creation
- 2. \*\*Main Application (app.ptoconnect.com)\*\*:
- Role-based dashboards and tools
- Secure environment tied to `org\_id`
- All core features below
- 3. \*\*Backend API (https://api.ptoconnect.com)\*\*:
- Node.js + Express REST API

- Supabase v3 for database and authentication
- OpenAI, Stripe, Twilio, Meta Graph API integrations

## Core MVP Modules

- 1. \*\*User Management & Role Permissions\*\*
- Roles: admin, board\_member, committee\_lead, volunteer, parent\_member, teacher
- Supabase auth with custom metadata & JWT verification
- Role-specific dashboard components
- Invite users via QR/signup code tied to `org\_id`
- 2. \*\*Communication Suite\*\*
- In-app messaging + group channels
- Email & SMS via Twilio
- Al-generated newsletters, meeting summaries
- Scheduled messages and post history tracking
- 3. \*\*Event & Project Planner\*\*
- Calendar interface (monthly, list, and timeline views)
- Task delegation, deadline tracking, RSVPs, volunteer signups
- Sponsor tracking system (before, during, after events)
- Al event wizard with prompt-based generation + manual overrides
- 4. \*\*Fundraising Toolkit\*\*
- Multi-type campaign creation: donations, sales, pledges
- Stripe integration for secure transactions
- Donor progress dashboards, QR/pay links

- Al fundraising copy + auto-populated forms
- Public donation pages linked to campaigns
- 5. \*\*Budget & Finance Tracker\*\*
- Categorized expenses and income records
- Upload & tag receipts
- Al-generated summaries and projections
- Multi-approver workflow and email report sharing
- Export to CSV/PDF
- 6. \*\*Social Media Automation\*\*
- Meta Graph API for FB/Instagram integration
- Post scheduling with preview
- Al-generated captions and image promo ideas
- Engagement metrics dashboard
- 7. \*\*Teacher Engagement Portal\*\*
- Submit classroom needs, surveys, and event ideas
- Wishlist uploads
- PTO admin review + approval queue
- 8. \*\*Templates & Automation Engine\*\*
- Event/fundraiser template cloning with smart adjustments
- Pre-scheduled communications and tasks
- Prompt-powered AI for new event/fundraiser plans
- 9. \*\*Document Vault + AI Assistant\*\*

- Upload bylaws, policies, meeting notes, etc.
- Search bar powered by RAG + OpenAI for contextual answers
- Permissions-based access

## **Technical Architecture**

## Post-MVP Roadmap

- Native mobile apps (iOS & Android)
- District-level dashboards & org grouping
- Seasonal auto-pause/reactivation logic
- Admin notification system (e.g. renewal alerts)
- Custom PTO themes & logos
- Multilingual interface
- Teacher-Al copilot for event suggestions
- Role analytics and engagement scoring