DayBoard Build Guide -----Overview DayBoard is a local?first personal dashboard application for macOS/iOS (SwiftUI) with a Go backend and Supabase Postgres database. It integrates Google Calendar, Plaid, and Google Distance Matrix to show your next meeting, upcoming subscription bills, commute estimate, and after?tax pay outlook. This guide explains how to set up the required external accounts, configure environment variables, run the backend, and build the SwiftVI client. 1. External accounts **Supabase** Create a project at 'https://supabase.com'. From the project?s API settings, record your **Project URL** ('SUPABASE_URL') and **Anon/public API Key** ('SUPABASE_SERVICE_KEY'). For server?side operations you may prefer the Service Role key (found under Settings ? API ? Service role key) because it bypasses row?level security. **Database URL** ? In Supabase, open Settings ? Database ? Connection string and copy the `postgresql://?` connection string. This will be used as 'DATABASE URL'. **Google Cloud** Create or select a project at `https://console.cloud.google.com`. Enable the **Google Calendar API** and **Distance Matrix API**. Under APIs & Services ? Credentials click ?Create Credential ? OAuth Client ID.? Choose ?Web application.? Set authorized redirect URIs to 'http://localhost:8080/auth/qooqle/callback' for local development and your production URL for deployment (e.g. `https://yourbackend.fly.dev/auth/google/callback`). Record the **Client ID** (`GOGLE_CLIENT_ID`) and **Client Secret** ('GOOGLE_CLIENT_SECRET'). Create am API key for the Distance Matrix API ('MAPS_API_KEY'). **Plaid** Sign up for a Plaid developer account at 'https://dashboard.plaid.com'. Create a new development application and note the **Client ID** ('PLAID_CLIENT_ID') and ""Secret" ('PLAID_SECRET'). Set the environment to 'sandbox' for testing or 'development' for live data. Define a redirect URI 'http://localhost:8080/auth/plaid/callback' and record it as 'PLAID_REDIRECT_URI'. 2. Configure environment Copy 'dayboard/backend/.env.example' to '.env' and fill in the placeholders: PORT=8080 DATABASE_URL=postgresql://... # Supabase connection string SUPABASE_URL=https://...supabase.co # your project URL SUPABASE_SERVICE_KEY=... # service role key or amon key GOOGLE_CLIENT_ID=... GOOGLE_CLIENT_SECRET=... GOOGLE_REDIRECT_URI=http://localhost:8080/auth/google/callback PLAID_CLIENT_ID=... PLAID SECRET=... PLAID_ENV= sandbox PLAID_REDIRECT_URI=http://localhost:8080/auth/plaid/callback MAPS_API_KEY=... JWT_SECRET=supersecretkey # choose any random secret

Make sure your '.env' file remains private and never commit it to version control.

3. Database migrations

hosting provider?s configuration panel. Update OAuth redirect URIs in Google and Plaid to point to your deployed backend (e.g.,

offer am iOS version to testers, enroll in the Apple Developer Program and use TestFlight.

'https://dayboard.fly.dev/auth/google/callback'). Finally, notarize your macOS app and attach the .dmg to a GitHub Release. If you wish to

The backend uses Postgres tables defined in 'dayboard/backend/migrations/0001_create_tables.sql'. To create them: