

Political Intelligence Platform Documentation

Overview

The Political Intelligence Platform is a comprehensive digital ecosystem designed to enhance civic engagement, transparency, and political accountability. It provides tools for citizens, politicians, and organizations to interact, track performance, and participate in the democratic process.

Tech Stack

- **Frontend:** Next.js (React), Tailwind CSS, Lucide React
- **Backend:** Next.js Server Actions, Supabase (PostgreSQL)
- **Authentication:** Supabase Auth
- **Database:** PostgreSQL
- **Deployment:** Vercel (recommended) / Node.js

Project Structure

/app

The core application logic, following the Next.js App Router structure.

- **(platform):** Main application routes including:
 - marketplace: Marketplace for political services and products.
 - campaign: Tools for campaign management.
 - tallying: Election tallying and results visualization.
 - policies: Policy tracking and analysis.
 - representatives: Profiles and performance tracking for elected officials.
 - community: Community engagement forums and tools.
- api: Backend API routes.
- auth: Authentication routes.

/components

Reusable UI components, likely built with Shadcn UI or similar libraries.

/lib

Utility functions, database clients (Supabase), and shared logic.

/supabase

Database configuration, migration files, and SQL scripts.

Key Features

1. Marketplace

A dedicated space for political services, merchandise, and tools. Users can list items, browse categories, and make purchases.

2. Campaign HQ

A suite of tools for political campaigns, including volunteer management, fundraising, and communication.

3. Tallying Center

Real-time election results tracking and visualization, providing transparency in the electoral process.

4. Policy & Legislation

Track bills, policies, and legislative activities. Users can view voting records and analysis.

5. Representatives

Profiles of elected officials with performance metrics, voting history, and contact information.

Database Schema (Overview)

The database is built on PostgreSQL via Supabase. Key tables include:

- users: Core user profiles.
- profiles: Extended user details.
- campaigns: Campaign data.
- products: Marketplace items.
- orders: Transaction records.
- policies: Legislative documents.
- votes: Voting records.

(Refer to `/supabase/schema.sql` for the full schema definition)

Setup & Installation

1. Clone the repository:

```
git clone <repository-url>
cd political-intelligence
```

2. Install dependencies:

```
npm install
```

3. Environment Variables:

Create a `.env.local` file with the following:

```
NEXT_PUBLIC_SUPABASE_URL=your_supabase_url
NEXT_PUBLIC_SUPABASE_ANON_KEY=your_supabase_anon_key
```

4. Run Development Server:

```
npm run dev
```

5. Build utilizing Production:

```
npm run build
npm start
```

Contributing

Please follow the standard pull request process. Ensure all code is linted and tested before submission.