



Project Name (Faro)

EventoRD (placeholder)

Purpose:

A location-based web app that helps locals and tourists discover events, businesses, and services happening in Dominican cities—starting with **Santo Domingo**—with an emphasis on **date-based discovery, safety awareness, and real-time availability**.



MVP Goals

The MVP should prove:

1. Users can **discover events visually** using a map
2. Events can be **filtered by date**
3. Users trust the platform due to **safety visualization**
4. The platform can later expand to **drivers, tour guides, and bookings**

Non-goals for MVP (Phase 2+)

- Payments handled fully in-app (can redirect externally)
 - Real-time chat
 - Native mobile apps
 - AI recommendations
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Target Users

Primary

- Tourists visiting the Dominican Republic
- Digital nomads
- Expats

Secondary

- Locals looking for nightlife, concerts, festivals
 - Small businesses & event organizers
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Core User Flow (MVP)

1. User opens web app
2. Location auto-detects or defaults to **Santo Domingo**
3. User sees:
 - **Map centered on city**
 - **Date slider at the top**
 - **Color-coded neighborhoods**
 - **Event & business pins**
4. User:
 - Slides date selector → map updates
 - Clicks an event/business → detail panel opens
 - Toggles to **Drivers / Tour Guides view**

5. Neighborhood safety overlays remain visible at all times
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Core Features (MVP Scope)

1. Interactive Event Map

- Full-screen map view
- Pins represent:
 - Events
 - Businesses (restaurants, clubs, venues)
- Pin visibility changes based on selected date

Map Provider

Mapbox

- Free tier generous
 - Excellent customization
 - Works well with React
 - Supports vector layers for neighborhoods
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2. Date Slider

- Horizontal slider at top of screen
- Displays:

- Today → +30 days
 - Selecting a date:
 - Triggers backend query
 - Updates visible pins
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3. Event / Business Detail Panel

Triggered by clicking a map pin.

Includes:

- Name
- Category (Event / Business)
- Date & time
- Description
- Address
- Images (optional)
- External links:
 - Buy tickets
 - Instagram
 - WhatsApp
 - Website

MVP Note: Booking and payments can redirect to third-party services

4. Safety-Coded Neighborhood Overlay

Always visible.

Safety Levels

-  Green — Generally safe
-  Yellow — Use caution
-  Red — Higher risk

Data Source (MVP)

- Manually curated data
- Public crime reports
- Local knowledge + tourist safety sources

Store as **GeoJSON polygons**

5. Drivers / Tour Guides Toggle

A toggle button switches map mode.

Driver / Guide View (MVP)

- Pins show:
 - Available drivers
 - Tour guides
- Data fields:
 - Name
 - Type (Driver / Guide)

- Languages
 - WhatsApp contact
 - Static availability (real-time later)
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Tech Stack (Chosen for Cost & Speed)

Frontend

Technology	Reason
React	Requested, ecosystem, performance
TypeScript	Prevents bugs, scales well
Vite	Fast builds
Mapbox GL JS	Custom maps & layers
React Query	API caching
Tailwind CSS	Rapid UI development
Zustand	Simple global state

Backend

Technology	Reason
ASP.NET Core Web API (.NET 8)	Requested, fast, scalable
Entity Framework Core	ORM
PostgreSQL	Free, spatial support
PostGIS	Geo queries

Hosting (Free / Low Cost)

Backend

- Azure App Service (Free/Basic)
- OR Railway.app

Database

- Supabase (Postgres + PostGIS)
- OR Azure PostgreSQL Flexible Server

Frontend

- Vercel or Netlify
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Database Design (Simplified)

Events

Events

- Id
- Name
- Description
- StartDate
- EndDate
- Latitude
- Longitude
- Category
- ExternalUrl

Businesses

Businesses

- Id
- Name
- Type
- Latitude
- Longitude
- Description
- ContactLink

Neighborhoods

Neighborhoods

- Id
- Name
- SafetyLevel (Green/Yellow/Red)
- Geometry (Polygon)

Drivers / Guides

Providers

- Id
 - Name
 - ProviderType
 - Latitude
 - Longitude
 - Languages
 - ContactLink
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API Endpoints (MVP)

Events

`GET /api/events?date=YYYY-MM-DD`

Businesses

`GET /api/businesses?date=YYYY-MM-DD`

Neighborhoods

`GET /api/neighborhoods`

Drivers / Guides

`GET /api/providers`



Security & Privacy (MVP)

- HTTPS only
 - No user accounts required initially
 - Admin-only backend for adding data
 - Public read-only endpoints
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MVP Milestones

Phase 1 – Foundation (2–3 weeks)

- Map + date slider
- Event pins
- Neighborhood overlays

Phase 2 – Interaction (2 weeks)

- Detail panels
- Toggle views
- External links

Phase 3 – Polish (1–2 weeks)

- Mobile responsiveness
 - Performance tuning
 - Basic SEO
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Future Enhancements (Post-MVP)

- User accounts
 - Reviews & ratings
 - Real-time driver availability
 - In-app payments
 - AI recommendations
 - Offline mode
 - Native mobile apps
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Strategic Advantage for DR Launch

- Map-first UX (very intuitive for tourists)
- Safety visibility builds trust
- WhatsApp-first integration matches local behavior
- No app download required (web-first)