# What Is

## 1) What the service does (user-level)

- **City/brand guide** with compact, emoji-first CTAs. Each "location" opens in a **Location Profile Modal (LPM)** with: Route, Book, Share, Apple Maps, Waze, website/social/phone/email/chat, QR, and a 5-emoji **rating** row.

- **Deep links & QR**: `?school=<id>` opens the LPM instantly; ▪ shows an app-hosted QR you can share/print; QR shortlinks redirect into the app. (Worker backs the QR & tracking.)

- **Search and View settings**: on the header row you have the search input, ✕ clear, ⚙ gear (view by structure/alpha/region/…); the list re-builds without reload.

- **Modals**: Help/Emergency, My Stuff, Alerts, Share location—all share the same shell & behavior.

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## 2) Where things live (files, selectors, functions)

### Front-end (Cloudflare Pages — static)

- **HTML/CSS/JS root** (your Pages output):

    - `/assets/...` (icons, placeholder images, social icons, etc.).
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    - `/data/...` (JSON: `profiles.json`, `structure.json`, `contexts.json`, `actions.json`, `languages/*.json`).
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    - `/manifest.webmanifest`, `/sw.js` (PWA).

- **Main controller**: `app.js`

- ○ Loads translations; **builds the accordion** from JSON; **injects the gear** (next to search); wires search + ✕ clear; handles `?school` deep-link; paints group colors and builds "Popular"; opens other modals via functions imported from `modal-injector.js`.
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- ○ Search row selectors: `#search`, `#clear-search` (✕), `#view-gear` (inserted), `#here-button`; wrapper `#search-left`. CSS shows ✕ when the input has value and positions it inside the field.
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- **UI factory**: `modal-injector.js`

  - ○ **LPM**: `createLocationProfileModal()`, `showLocationProfileModal()`, `wireLocationProfileModal()` (Route, Book, Share, Apple, Waze, QR modal, socials, contacts). **Rating** row + 24h cooldown lives in this wire function. **_track(action)** sends analytics.

  - ○ **Other modals**: Help (`createHelpModal`), My Stuff (`createMyStuffModal` / `showMyStuffModal`), Alerts (`createAlertModal`), Share (`createShareModal`/`showShareModal`), etc.

  - ○ **View settings** modal: `openViewSettingsModal(...)`.

- **Styling**: `navi-style.css`

  - ○ Header row, search, ✕ clear button; **sticky modal headers**, body spacing; **one scroll** on the card; LPM image slider `.lpm-*`; emoji CTA sizing (`.cta-compact`); rating layout (`.lpm-rating`, `.rate-row`, `.rate-btn`, `.rate-hint`).
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- **i18n**: `/scripts/i18n.js` + JSON under `/data/languages/<lang>.json` (or fallback path if you added it). Load is wrapped in `try/catch` so UI doesn't stall if JSON is missing; labels default to keys until JSON arrives.


## Data (static JSON)

- **`profiles.json`** (locations with "contact", "media", "tags", "descriptions", and **`contact.bookingUrl`** for 📅 ).

profiles

- **structure.json**, **contexts.json**, **actions.json** drive the accordion groups, page contexts, and quick actions.
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- **Exporter (Sheets → JSON)**: `code.gs` generates the JSON. Update reads to `booking: get(row,'bookingUrl')` and mirrors into `contact.bookingUrl`.

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# 3) Backend (Cloudflare Worker — serverless API)

- **Deployed at**: `https://navigen-api.4naama-39c.workers.dev` (can be moved under `navigen.io/api/*`).

- **KV Namespaces**:

  - `KV_STATS` (per-day counters), `KV_STATUS` (paid status), `KV_ALIASES` (legacy → ULID), `KV_OVERRIDES` (editor overrides).
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- **Endpoints**:

  - `GET /api/qr?school_uid=&fmt=svg|png&size=` → QR for `/s/<id>` (fallback to `?school=` for non-ULID).

  - `GET /s/<id>` → logs `qr_view` (if ULID) and 302 into the app with `?school=<id>`.

  - `POST /api/track` → accepts beacons: `{event:'cta_click', school_uid, action}`; **CORS with credentials** is enabled.

  - `GET /api/status?school_uid=` → `{status,tier}` (future gating).
    *Why it's useful:* lets you print/share QR **now**, measure value (routes, booking, calls, socials) **now**, and add paywalls later without changing the app.
    modal-injector

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## 4) Security / Access (Zero Trust)

- **UI gated** (`navigen.io/*`): email OTP with 30-day session.

- **Public endpoints bypassed** (no prompt): `/api/*`, `/s/*`, `/assets/*`, `/data/*` (+ `/robots.txt`, `/favicon*` as needed).
  *Why:* you can demo privately on the main domain, while QR/API keep working for real users.

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## 5) Behavior that changed (high-impact)

- **Deep-link:** `?school=` opens LPM on load and cleans the URL (better QR landings). wrangler

- **QR modal:** app-hosted code + share/print; print renders only the QR.

- 📅 **Book:** opens live booking URLs when present (exporter update finishes this).

- **Analytics:** uniform `_track(action)` across CTAs; counters in KV by `<school_uid>:<yyyymmdd>:<action>`.

- **Modals:** sticky headers, card-edge scrollbar; search ✕ restored; gear placement respects the ✕.

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## 6) What to build next (short itinerary)

1. **Stripe minimal**: `/api/checkout` + `/api/webhook` (set `KV_STATUS`), then gate paid CTAs on LPM open via `/api/status`.

2. **Magic-link editor**: `/m/edit` + `/api/school/update`; write overrides to `KV_OVERRIDES`; merge on read (or nightly PR).

3. **Stats page**: small page over `/api/stats?school_uid=…` for 30-day clicks/QR views.

4. **(Later)** bring the API under `navigen.io` to drop cross-origin CORS entirely (add `route` in `wrangler.toml`).