# **Lean pre-coding sheet — 85/89**

**Component:** crates/vm\_app/ui/index.html (UI entry document)

## **1) Goal & success**

**Goal:** Minimal, **offline** HTML shell that mounts the UI bundle and never references remote assets (fonts/styles/JS/map tiles).

**Success:** App loads locally packaged UI and MapLibre assets; no HTTP/DNS; report views display numbers with **one-decimal** precision (presentation only).

## **2) Scope**

**In:** HTML skeleton (doctype, <html lang>, <meta charset>, <meta viewport>), a **single** script to the bundled entry (Vite output), **relative** links to local CSS, containers for: report sections (Doc 7A order) and an optional MapLibre div.

**Out:** Any analytics, CDN fonts, external CSS/JS, or network fetches (forbidden by policy).

## **3) Inputs → outputs**

**Inputs:** Built UI bundle (from package.json scripts) and **packaged** map assets (ui/public/map/style.json, …/tiles/world.mbtiles).

**Outputs:** A static DOM that the UI JS hydrates; no data is pulled directly here—rendered content ultimately mirrors Result, optional FrontierMap, and RunRecord.

## **4) Entities/Tables (minimal)**

## **5) Variables (only ones used here)**

None (index.html is declarative; numeric/display policy enforced by renderer per Doc 7).

## **6) Functions (signatures only)**

N/A (no scripts inline; JS lives in bundled entry).

## **7) Algorithm outline (page structure)**

Minimal head: charset UTF-8, viewport, <meta http-equiv="Content-Security-Policy"> that **blocks remote** (default-src 'self'). (Enforces offline posture.)

Link **local** CSS only; no web fonts/CDNs.

Body: <div id="app"> root; child sections in Doc 7A’s order so the renderer can mount them deterministically (Cover/Snapshot → Eligibility → Ballot → Allocation → Aggregation → Gates → Frontier → Ties → Sensitivity → Integrity).

Optional <div id="map">; JS will point MapLibre to **local** public/map/style.json.

One <script type="module" src="/src/main.ts"> (dev) or built asset path (prod). No inline analytics.

## **8) State flow (very short)**

Static HTML loads → bundled JS bootstraps → UI calls backend commands → UI renders **read-only** from Result/RunRecord (+ optional FrontierMap) with **one-decimal** display.

## **9) Determinism & numeric rules**

Page must not compute outcomes; it **only presents** results with **one-decimal** percentages; all assets local.

## **10) Edge cases & failure policy**

Any external URL (fonts/styles/scripts/tiles) is a **bug**—remove and replace with bundled files.

If map assets are missing, hide the map panel; report sections must still render (data comes from artifacts).

## **11) Test checklist (must pass)**

Open with Tauri: **no HTTP/DNS** observed; all resources load from app:///local package.

Visuals adhere to Doc 7 rules (one-decimal, fixed wording blocks, no external assets).