**Final Comment – F3-S1 Design System & UI Framework**

The entire front-end design system has been successfully established and integrated into the Turkish Diaspora App.  
Below is a full summary for the project log and to brief all team members:

**✅ Scope & Deliverables**

**Goal:** Create a unified, responsive UI framework built on Tailwind + shadcn/ui that defines the foundation for all future front-end components.

**Implemented work:**

1. **Tailwind v3 setup** with normalized base styles and semantic color tokens.
2. **shadcn/ui integration** – Buttons, Cards, Inputs, Labels, Select, Tabs, Dialogs, Badges, Toast (sonner).
3. **Icon system** using lucide-react via <Icon /> wrapper.
4. **Dark-mode architecture** (system detection + manual toggle) with persistent theme state.
5. **UI Kit page (/ui-kit)** demonstrating every core component, state and variant.
6. **Consistent component imports & aliases** (@/components, @/lib, @/pages) fixed in vite.config.ts and tsconfig.
7. **Environment typing** – vite-env.d.ts added to validate import.meta.env.\*.
8. **API config refactor** (api.ts, AdminPanel.tsx, main.tsx) for portable base URLs (dev ⇄ GitHub Pages).
9. **Responsiveness overhaul** – App.tsx and App.css rewritten for mobile-first layout (sidebar + map grid), ensuring full-width desktop experience.
10. **Documentation** – Docs/design-system.md and inline component examples describing design tokens, spacing, and accessibility rules.

**🧩 Results**

* Clean, consistent visual language aligned with “**Apple simplicity × Google familiarity**.”
* Functional dark/light modes across all pages.
* npm run dev and npm run build both pass without errors.
* UI Kit demonstrates reusable patterns for all future views.
* Fully responsive grid verified on desktop (≥ 900 px) and mobile (< 900 px).

**🧷 Next steps (roadmap)**

* Implement **Bottom Sheet** for mobile filters (using Radix Sheet).
* Refactor Search UI with Input + Badges + Tabs (scopes).
* Extend Admin interface with confirmation dialogs & toasts.
* Optimize bundle size > 500 kB via code splitting.

✅ **Status:** User Story F3-S1 is **complete and accepted.**  
The design system is now production-ready and serves as the foundation for all upcoming front-end stories.

### 🔧 Addendum – Hosting & Routing (GitHub Pages)

* **Vite base-pad gefixeerd voor Pages:** build gebruikt nu gegarandeerd base=/turkish-diaspora-app/ (CLI override in workflow) → alle assets en routes resolven correct onder het projectpad.
* **CI/CD workflow (Pages):** build & deploy uitvoeren **in Frontend/**, artifact **Frontend/dist**, en automatische **SPA fallback** via 404.html.
* **Router links gecorrigeerd:** alle interne navigatie is omgezet van <a href="/…"> naar **<Link>/<NavLink>** (React Router) zodat basename={import.meta.env.BASE\_URL} altijd wordt gerespecteerd (geen 404’s meer op / of /ui-kit).
* **API-config productie:** VITE\_API\_BASE\_URL wordt in .env.production via secret gezet (HTTPS, zonder trailing slash).
  + **Dev:** Vite proxy op /api → FastAPI.
  + **Prod:** absolute origin + /api/v1 (geen CORS/mixed-content issues).
* **(Indien nodig) CORS backend:** https://kulmetehan.github.io als toegestane origin in FastAPI (geen pad nodig).
* **Responsiveness verbeterd:** App.tsx grid (sidebar 380px | map 1fr), desktop-breedte (max-w-7xl), kaart-hoogte (80vh), en App.css opgeschoond (geen root max-width/centrering).

### ✅ Resultaat (Pages)

* **Home** en **/ui-kit** werken direct op:  
  https://kulmetehan.github.io/turkish-diaspora-app/  
  https://kulmetehan.github.io/turkish-diaspora-app/ui-kit
* **Theme switcher** & **UI Kit** (toasts/dialogs) werken.
* **Map + locaties** laden correct (eerste request kan soms ~1–2s kosten door cold start/caching).

**Status blijft:** F3-S1 voltooid & geaccepteerd. Hosting en routing zijn nu “future-proof” voor Pages en vervolgstories (Bottom Sheet, Search redesign, Admin-UI).