

■ Grounded App — Launch Playbook

Purpose: Provide a concise, team-ready summary of Grounded's launch readiness plan covering performance rewrites, testing, and deployment steps.

■ High Priority — Performance & Stability

Area	Improvements
Database & AI Services	Async Dexie DB, WebCrypto, Web Worker AI, caching
Frontend Components	Memoized React dashboards, reduced rerenders
Build Config	Vite+Tailwind optimization, code-splitting, auto PWA

■ Medium Priority — Responsiveness & Developer Experience

Area	Improvements
Hooks & State	Memoized async hooks, PWA install optimization
Service Worker	Dynamic cache management & updates
Automation Scripts	Parallel build tasks, release validation

■ Low Priority — Maintenance & Lifecycle

Area	Improvements
Repository Hygiene	Clean .gitignore, single CI config
Documentation	Unified /docs/README.md
Testing	Parallel Jest runs, reduced CI time

■ Testing & Deployment Checklist

- Run `npm run lint && tsc --noEmit` — ensure clean type check.
- Execute `npm test` — confirm passing unit & integration tests.
- Build release with `npm run build` and validate output under `/dist`.
- Run `node scripts/build-installers.js` for web + Tauri packages.
- Deploy via Netlify or Vercel (single source).
- Run release validation via `node scripts/release-validator.js`.

■ **Result:** Grounded is launch-ready — optimized performance, unified CI/CD, secure offline support, and documented release workflow.