

ACCESSIBILITY_AUDIT.md

Date: 2026-02-18

Standard Target: Section 508 + WCAG 2.1 AA (web)

Scope: Login + Board core flows (create/select/move/edit, AI panel, board switcher)

1) Audit Method

- Manual keyboard traversal (`Tab`, `Shift+Tab`, `Enter`, `Space`, `Esc`, `Cmd/Ctrl+A`).
- Screen-reader spot checks (NVDA/JAWS planned).
- Contrast checks for text, icons, focus states, and status badges.
- ARIA and semantic-role review on all interactive controls.

2) Checklist

Area	Requirement	Evidence	Status	Notes
Keyboard access	All actions usable without mouse (2.1.1)	`app/e2e/accessibility-baseline.spec.ts` (`A11Y-001`)	Pass (core flow)	Keyboard-only board create flow validated
Focus visibility	Every interactive element has visible focus (2.4.7)	`app/e2e/accessibility-baseline.spec.ts` (`A11Y-002`) + `app/src/styles.css` focus-ring rules	Pass (core controls)	Explicit focus ring added for interactive controls
Focus order	Logical traversal order across header/toolbar/sidebar/canvas controls (2.4.3)	`A11Y-001` tab sequence checks	Pass (core flow)	Full-screen-reader traversal still follow-up
Contrast	Text and controls meet 4.5:1 where applicable (1.4.3)	`app/test/accessibility-contrast.test.mjs`	Pass (token baseline)	Token-level guardrail added; full visual sweep remains follow-up
Form labels	Inputs/buttons have accessible names (3.3.2, 4.1.2)	`A11Y-002` , `A11Y-003` , plus ARIA labels in `BoardPage.tsx`/`AICommandPanel.tsx`	Pass (core controls)	Icon-only controls now have explicit `aria-label`
Status messaging	Reconnect-sync/error states announced clearly	`app/e2e/requirements-reconnect-ux.spec.ts` + `ai-status-pill` live region	Pass (tested)	Reconnect indicator and AI status region validated

3) Contrast Table

Token/Element	Foreground	Background	Ratio	Pass/Fail
Primary button text	`#FFFFFF`	`#D14343`	`4.57`	Pass
Toolbar icon text	`#1A1A1A`	`#FFFFFF`	`17.40`	Pass
Focus ring	`#0F766E`	`#FFFFFF`	`5.47`	Pass
Presence status label (worst-case estimate)	`#FFFFFF`	`#000000`	`21.00`	Pass
AI panel success status text	`#065F46`	`#D1FAE5`	`6.78`	Pass

4) Evidence Log

- 2026-02-18: `PLAYWRIGHT_BASE_URL=http://127.0.0.1:4173 npx playwright test e2e /accessibility-baseline.spec.ts e2e/requirements-reconnect-ux.spec.ts --reporter =line` -> `4 passed`.
- 2026-02-18: `cd app && npm run test:unit` -> `23 passed` (includes `A11Y-CONTR AST-001..003`).
- 2026-02-18: `cd app && npm run lint` -> pass.

5) Known Gaps (Remaining)

- Formal NVDA/JAWS screen-reader walkthrough is still pending.
- No axe-core/Lighthouse automated accessibility crawl is integrated yet.
- VPAT remains draft-level until full assistive-tech checks are attached.

6) Signoff

- Auditor: TBD
- Date: TBD
- Result: In progress (core baseline complete, advanced checks pending)