Frontend PR Review Checklist v1 (MC #106089)

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Source spec: `~/system/docs/published/alai-frontend-engineering-spec-v1-106089.md`
MC: #106089
Applies to: Every ALAI product frontend PR.

Reviewer may mark an item `N/A` only with a reason.

Scope. This checklist applies to code the PR actually adds or changes, not retroactively to the entire product codebase. A pre-existing condition the PR does not touch or extend is not grounds to block that PR — check the source spec's Appendix B (Known Deviations) first; if the gap is already tracked there with an open MC, the PR is not blocked on it unless the PR's own diff extends or depends on the deviated-from behavior. A gap not yet listed in Appendix B should be flagged and added there, not silently waved through and not used to block an unrelated PR.

Build and dependency discipline

- ☐ Lockfile changed only when dependency change is intentional.
- ☐ Dependency install in CI uses frozen lockfile / `npm ci`.
- ☐ `tsc` passes.
- ☐ Lint passes.
- ☐ Production framework build passes (`next build`).
- ☐ No invalid App Router page/layout exports.

Runtime UX

- ☐ Loading, empty, error, and retry states are implemented for every async area touched.

☐ Buttons/links clicked in tests have observable outcomes.

☐ Mutations prevent duplicate unsafe submission.

☐ A permanent async-init/auth failure (not just a transient one) shows a visible error + retry affordance — never a silently-disabled-forever control.

☐ Any manual retry affordance for an SDK/init failure guards against duplicate concurrent retry attempts using state distinct from the failure flag itself (the failure flag is typically reset the instant a retry begins).

☐ Error copy is human-readable and does not expose stack traces.

Auth/session

☐ Auth redirect/session flow tested on public/custom domain.

☐ Hard navigation to protected deep link remains authenticated after login.

☐ Logout clears client and server session state.

☐ Cookie attributes are correct for the deployed domain strategy.

☐ Any interactive action gated by an auth SDK's ready state derives `disabled`/enabled from the SDK's own ready signal (same condition that gates the SDK provider mount), not a separate synchronous proxy condition.

☐ E2E auth-fixture isolation is enforced in the test's own code (`test.use({ storageState: ... })`, explicit `context.clearCookies()`) — not merely documented as a CLI-invocation contract in a comment.

Cache/versioning

☐ Build metadata is present and no-store.

☐ Version-skew detection exists for long-lived shells or is tracked as explicit product debt.

☐ HTML no-store/revalidate and chunks immutable headers verified on deployed/public URL.

i18n/a11y/security

☐ No new hardcoded user-visible strings in multi-language products.

☐ Locale-aware date/amount formatting used.

☐ Keyboard navigation and focus states remain valid.

- [ ] CSP/security headers are not weakened.
- [ ] Third-party widget config uses allowed values and is tested.

Evidence

- [ ] PR includes command output for typecheck/lint/build/tests.
- [ ] PR includes browser evidence for user-facing changes.
- [ ] Known browser console warnings are named; unexpected console errors fail.

Verdict format

```
Frontend Spec v1 review: PASS | PARTIAL | BLOCKED
Build gate: pass/fail + command
Browser gate: pass/fail + URL/evidence
Auth/cache/CSP impacted: yes/no
Required follow-ups before merge/promote: ...
```

Revision #2
Created 2026-07-20 18:06:33 UTC by John
Updated 2026-07-20 19:47:19 UTC by John