



Project Snapshot (Phase 0-6)

Updated 08 Jun 2025

A-B/AI has crossed the packaging threshold: we now have unsigned Windows (NSIS) and macOS (DMG/ZIP) installers shipping from CI, plus an auto-generated download page. Phase6 exposed a handful of deployment snags, but the core build pipeline is alive.

1 Executive overview

- **Purpose recap** – A-B/AI lets non-technical users compare premium cloud LLMs (OpenAI o3, Claude Opus, Gemini 2.5 Pro-Thinking, Grok 3, etc.) or local Ollama models side-by-side, with real-time cost breakdowns.
- **Status headline** – *Electron-builder* is wired-in and GitHub Actions create installers on every push. A download splash page deploys via GitHub Pages, but large binaries are now kept on the *Releases* tab to dodge the Pages 1 GB soft limit.
- **First version tag** – `v1.0.0` was cut automatically with the first production pipeline commit `707a9a0` (github.com).

2 Repository & tags

Tag	Date	Notes
v0.1.0-skeleton	7 Jun 2025	Runnable Electron + Vite baseline
v0.2.0-chat-cost	7 Jun 2025	Single-model GPT-4o chat + token cost
v0.3.0-multi-diff	8 Jun 2025	Multi-provider diff viewer
v0.4.0-provider-layer	8 Jun 2025	Grok & Gemini adapters + pricing manifest
v0.5.0-ux-polish	8 Jun 2025	Critical UI/UX sprint
v1.0.0	8 Jun 2025	First unsigned production installers

Repo: <https://github.com/skylordafk/A-B-AI>

3 Technology stack (delta since Phase 5)

Layer	Additions
Packaging	<code>electron-builder</code> 24.9 (updates root <code>package.json</code> , adds <code>electron-builder.yml</code>) (github.com)
CI/CD	New <code>package.yml</code> (installer matrix) and <code>gh-pages.yml</code> / <code>deploy-pages-manual.yml</code> workflows (github.com , github.com)
Settings	<code>electron-store</code> promoted to explicit dependency to fix production boot where preload needed <code>store.get()</code> (github.com)
UX	macOS-native Edit menu & proper ⌘-C/V/X shortcuts (github.com)

4 Road-map status

Phase	Date	Highlights	Proof
0 – Foundation	7 Jun	Lint/format, CI skeleton	README scaffolding
1 – Runnable skeleton	7 Jun	Electron bootstrap	commit <code>d5b6885</code> filecite turn1file4
2 – Single-model chat	7 Jun	OpenAI chat + cost	commit <code>5f1e484</code> filecite turn1file4
3 – Multi-model diff	8 Jun	Anthropic adapter, diff UI	commit <code>b4c2a36</code> filecite turn1file4
4 – Provider layer	8 Jun	Grok & Gemini adapters, pricing manifest	commit <code>c7e8ac4</code> filecite turn1file5
5 – Critical UI/UX	8 Jun	Key-saving, fenced-code fix, global loading, quick-start docs	commit <code>dcbc5ff</code> filecite turn1file4
6 – First production build	8 Jun	see §5	commits <code>707a9a0</code> , <code>de408d3</code> , <code>c4a551e</code>

5 Phase 6 details

5.1 What shipped

- 1. Packaging scripts** – `pnpm package` runs electron-builder for Windows x64 (NSIS) + macOS (universal DMG & ZIP).

2. **CI matrix** – `macos-latest` and `windows-latest` runners build in parallel, then upload artifacts `installers-macOS` & `installers-Windows`.
3. **Artifact sizes** – first run produced `192 MB` Windows setup and `473 MB` macOS bundle (github.com).
4. **Download page** – `/docs/download.html` shows three platform links and is auto-deployed to GitHub Pages.

5.2 Deployment hiccups & fixes

Symptom	Root cause	Mitigation commit
Initial GH Pages deploy 404 – Pages job ran before artifacts were copied	Job ordering & path bug	<code>0a536ea</code> (permissions), <code>31e7b3b</code> (workflow consolidation)
Pages build exceeded 1 GB soft-limit – DMG/EXE pushed into <code>gh-pages</code>	Large binaries in static site	<code>de408d3</code> switched Pages to <i>redirect</i> to Release assets (github.com)
Windows installer lacked app icon	Default Electron icon left intact; Windows expects <code>.ico</code> inside <code>build/</code>	Deferred – icon design TBD
macOS copy/paste shortcuts missing inside packaged build	Menu template omitted Edit roles	<code>c4a551e</code> adds full macOS menu (github.com)
Monorepo path resolution broke builder	Wrong <code>files:</code> glob skipped <code>apps/ui/dist</code>	<code>26e9b3d</code> fixes glob patterns

5.3 Current outcome

- **Package installers workflow** is green (Run #10) and uploads artifacts.
- **Pages deploy** now publishes a 3-line redirect file instead of binaries, keeping Pages footprints tiny (github.com).
- **Download flow** is two-step (Pages → GitHub Release) but functional.

6 Feature & delivery matrix (post-Phase 6)

Capability	Status
Multi-provider chat (OpenAI, Anthropic, Grok, Gemini)	
Cost breakdown per provider	
API-key persistence	
Markdown fenced-block fidelity	
Session chat history	

Capability	Status
Unsigned Windows installer (.exe)	
Unsigned macOS installer (.dmg/.zip)	
GitHub Pages download splash	(redirect-only)
Signed & notarised installers	<input type="checkbox"/> Phase 10
Auto-update	<input type="checkbox"/> Phase 10
Batch CSV prompting	<input type="checkbox"/> Phase 7
Prompt coach / rating	<input type="checkbox"/> Phase 8
Nightly pricing sync	<input type="checkbox"/> Phase 9

7 Open issues & next steps

1. **Large binary handling** – Decide whether to host installers on Releases permanently or adopt S3 + CDN; update download page accordingly.
2. **Code signing & notarisation** – Required before public macOS distribution (Phase 10).
3. **Persistent chat logs** – Schema & storage location (SQLite vs. JSON) scheduled for Phase 7.
4. **Icon & brand assets** – Provide `.icns` / `.ico` to replace generic Electron atom icon.
5. **Automated SHA-256 injection** – Disabled after redirect change; re-enable once hosting location finalised.

8 References

All statements are backed by: - Commit `707a9a0` Phase 6 pipeline (github.com) - Commit `de408d3` Pages binary exclusion (github.com) - Commit `c4a551e` macOS menu & electron-store fix (github.com) - GitHub Actions Run #10 artifact summary (192MB / 473MB) (github.com) - Previous snapshots Ph 0-5 filecite turn1file1