

## Project Snapshot (Phase 0-4)

Area	Current State
Repo	<a href="https://github.com/skylordafk/A-B-AI">https://github.com/skylordafk/A-B-AI</a>   Tags:   • <code>v0.1.0-skeleton</code> - runnable Electron + Vite baseline   • <code>v0.2.0-chat-cost</code> - GPT-4o single-model chat w/ cost   • <code>v0.3.0-multi-diff</code> - multi-model diff view (GPT-4o + Claude-3 Sonnet)   • <code>v0.4.0-provider-layer</code> - adapter refactor + Grok, Gemini & fast-tier models
Tech Stack	• <b>Electron 34</b> (main & preload)   • <b>React + Vite + shadcn/ui + Tailwind</b> (renderer)   • <b>pnpm monorepo</b> ( <code>apps/main</code> , <code>apps/ui</code> )   • <b>xAI Grok SDK</b> , <b>@google/genai</b> , <b>@anthropic-ai/sdk</b> , <b>openai</b>   • <b>Static pricing manifest</b> <code>modelPricing.json</code>   • Token counting via <code>@dqbd/tiktoken</code>
Key Modules (additions since Phase 3)	<code>apps/main/src/types/model.ts</code> - canonical <code>ModelMeta</code> <code>apps/main/src/providers/</code> - new <code>grok.ts</code> , <code>gemini.ts</code> plus updated <code>openai.ts</code> , <code>anthropic.ts</code> <code>apps/main/src/main.ts</code> - store now tracks <code>grokKey</code> & <code>geminiKey</code> <code>apps/ui/src/components/ModelSelect.tsx</code> - dynamic list from adapters   <code>modelPricing.json</code> - central price table   <code>tests/</code> - provider & manifest coverage
Settings & Secrets	Electron-store keys: <code>openaiKey</code> , <code>anthropicKey</code> , <code>grokKey</code> , <code>geminiKey</code> (saved via Settings modal)
Completed Phases	0. Project tooling & CI   1. Runnable Electron skeleton   2. Single-model chat w/ cost display   3. Multi-model diff UI   4. <b>Provider-Layer Expansion &amp; Normalisation</b>
Next Planned Phases	5. <b>Critical UI/UX &amp; Docs Sprint</b> (key-saving, loading states, session history, quick-start docs)   6. <b>First Production Build</b> (unsigned installers + GH Pages)   7. <b>Batch Prompting MVP</b>   8. Prompt Coach v1   9. Automated Pricing Sync   10. Infrastructure Hardening (code-signing, auto-update)
Open Questions	• Decide on persistent vs. session-only chat history   • Location & encryption of stored API keys   • How to badge fast vs premium models in UI   • Exact UX for selecting >2 models once batch mode lands