

# Frontend Task - Token Trading Table

Build a pixel-perfect replica of Axiom Trade's token discovery table with these requirements:  
( <https://axiom.trade/pulse> )

## Core Features:

- All token columns(New pairs, Final Stretch, Migrated)
- Implement variety: popover, tooltip, modal, sorting
- Different interaction patterns: hover effects, click actions
- Real-time price updates (WebSocket mock) with smooth color transitions
- Loading states: skeleton, shimmer, progressive loading, error boundaries
- Pixel-perfect visual match to website ( $\leq 2$  px diff verified with a visual-regression tool)

## Technical Requirements:

- Next.js 14 App Router, TypeScript (strict), Tailwind CSS
- Redux Toolkit for complex state, React Query for data fetching
- Radix UI/Headless UI/shadcn/ui for accessible components
- Performance: memoized components, no layout shifts,  $<100$ ms interactions
- Atomic Architecture: reusable components, custom hooks, shared utilities, DRY principles
- Code quality: comprehensive typing, error handling, documented complex logic (bonus)
- Must score  $\geq 90$  on Lighthouse (mobile & desktop)

**Evaluation:** Performance optimization (35%), Code structure/reusability (30%), Pixel-perfect UI (25%), Feature completeness (10%)

**Note:** Prioritize smooth performance and clean, reusable code architecture. Every component should be built for reuse across the application.

## Deliverables:

1. GitHub repo with clean commits
2. Vercel deployment
3. 1-2 min public youtube video link that shows functionality
4. Responsive layout complete down to 320 px width, with auto-layout snapshots attached to the README

Please note all three deliverables are required, we'll consider the application incomplete if any of the deliverables are missing.