

# Technical Audit – Service Cost Calculator Application

Deployed on Vercel – <https://calcul-price.vercel.app>

Source code hosted privately on [GitHub](#)

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## Technical Overview

- **Framework:** Built with Next.js, leveraging the power of React for a fast, SEO-friendly and modern front-end experience.
- **Data Persistence:** Uses localStorage for lightweight, client-side data storage — ideal for MVPs, though limited for long-term scalability.
- **Hosting & Deployment:** Powered by Vercel, offering global CDN, automatic CI/CD pipelines, instant rollbacks, and optimized performance out-of-the-box.

## Key Strengths

- **Interactive & responsive UI** – Clean design with intuitive user flow
  - **Real-time cost calculations** based on selected program and age brackets
  - **Clear architectural separation** between public interface and admin panel
  - **Lightweight and fast** – No need for a heavy backend infrastructure
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## Performance Review – Points of Attention

- **Initial load time**
- **Responsiveness** when handling multiple age ranges or user inputs
- **Bundle optimization** – Ensure lean builds to maintain loading speed

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## Code Maintainability & Improvements

- Keep a **modular codebase** by separating UI, logic, and data handling
- Improve **internal documentation**:
  - Data schemas & object structure
  - Pricing formula breakdown
  - How to extend the app with new programs (logic, UI, constraints)

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## User Experience (UX) Highlights

- Simple and clear selection process
- Instant feedback upon interaction
- **Accessibility improvements** recommended: better contrast, ARIA labels, keyboard navigation

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## Final Evaluation

The application, available at <https://calcul-price.vercel.app>, is **functional, fast, and easy to use**.

This application provides a streamlined way to calculate service costs dynamically based on two main parameters: the selected immigration program and the age bracket of the individual. It currently supports three major international relocation programs:

- Canada
- United Kingdom (UK)
- Australia

Each program has its own pricing structure, and the system intelligently adjusts the total cost depending on the age distribution of the individuals involved. This makes it particularly useful for organizations managing applications with varying demographic profiles.