

AEI CTR - Software Development Project

Philip Gehde





CTR - A history

CTR - Cash Transfer Report

The Challenge:

- Large Organization
 - Many Transactions
 - Keeping Track





CTR - A History

Previous Solution:

- Excel
 - Using Visual Basic (Excel Programming Language) and Macros to organize and summarize data.

Previous Problem:

- Macros and VBA Code was not robust enough to account for changing data structures.
- Updates might break existing code.
- Difficult to Transfer files. (Macros may contain dependencies).



CTR - The Solution?

Solution:

Luxms Consultants:

60,000\$ to Build Web
Application.

Problem:

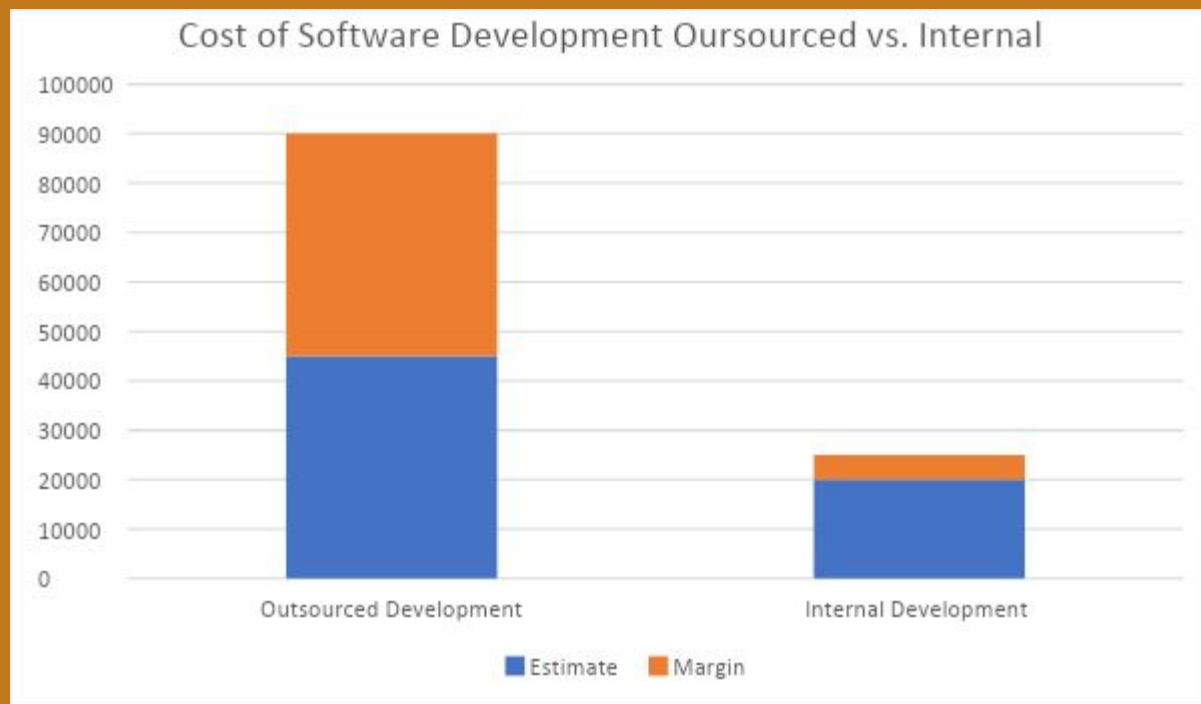
- Not Working
- No Documentation
- Luxms is Non-Responsive
- No Fixes
- Worst-case scenario

ENTER AEI IT DEPARTMENT



Budget

[1]





Assessment

Goals:

- Security
- User Authentication
- Backend
- Front-End





Assessment

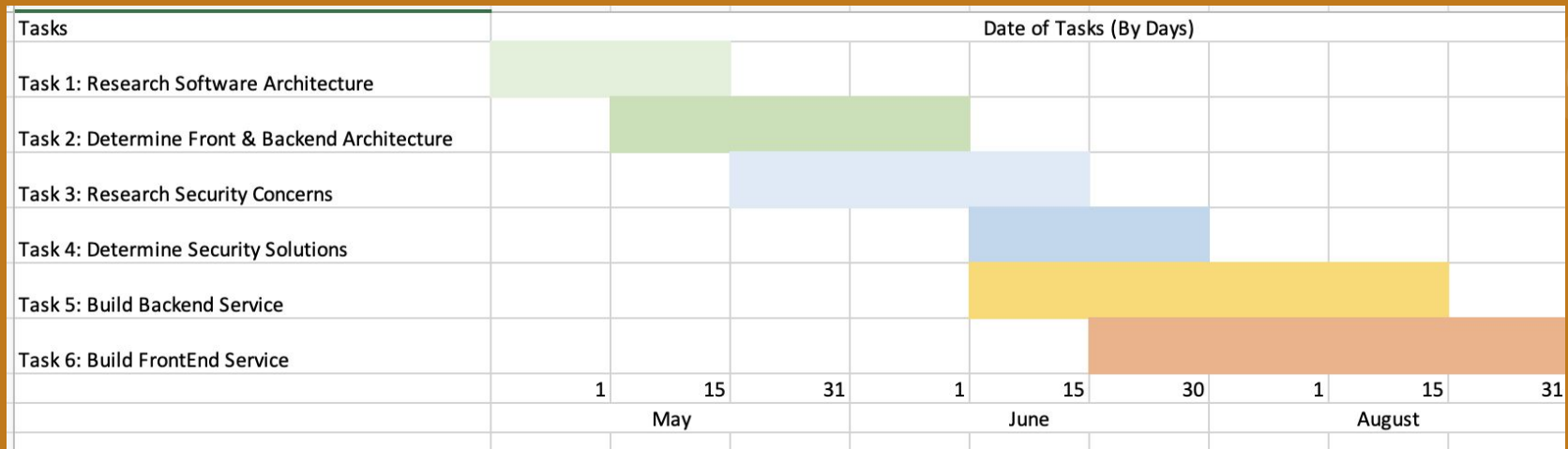


shutterstock.com • 379527994

Accomplished:

- Third-Party tools
 - Microsoft Azure Auth (managing access)
- Java and Vantagepoint API
- React (Component-Based)

Timeline





Cost

Current Budget:

10,000\$

Estimate Budget for Completion:

5,000\$

Initial Estimate Outsourced:

60,000\$

Total Savings:

45,000\$

or 75%

Development Opportunities



AEI Consultants



VANTAGEPOINT API (DELTEK)



Questions?

[1] Popovych, Anna. “How Much Does It Cost to Build a Web Application in 2022 - Clockwise Software.” How Much Does It Cost To Build a Web Application in 2022 - Clockwise Software, 17 Sept. 2019, <https://clockwise.software/blog/how-much-does-it-cost-to-build-a-web-application/>.