
Path Align

Project Overview:

To automate a labor-intensive manual process, significantly reducing the time required for task completion from 1-2 weeks to just 5-10 minutes.

Role in project:

As a member of the calculations team, I was tasked with addressing various challenges related to data integration within a WordPress environment. Initially, we began our efforts using vanilla JavaScript to handle the calculations and integrate data into WordPress. However, we encountered significant obstacles with this approach, particularly regarding complex data management and seamless integration.

Challenges Faced:

- **Integration Difficulties:** The initial use of vanilla JavaScript proved to be cumbersome for integrating data with WordPress, leading to inefficiencies and technical hurdles.
- **Complex Calculations:** Managing complex calculations and data flows with JavaScript was more intricate than anticipated, affecting the overall project timeline.

Solutions Implemented:

- **Transition to Excel:** Recognizing the limitations of our initial approach, we transitioned to using Excel as a more effective solution. Excel offered advanced data manipulation capabilities and a more intuitive integration process for WordPress.
- **Data Integration:** Leveraged Excel's robust features to handle calculations and manage data. This transition allowed for the efficient transfer of data back to WordPress and facilitated a smooth handoff to the data visualization team.

Impact: This strategic shift to Excel not only streamlined the calculation processes but also improved the integration workflow, enabling the successful delivery of accurate data to the data visualization team. This adjustment was instrumental in achieving our goal of reducing the manual processing time and enhancing overall project efficiency.

Benefits:

Client Benefit: Our solution transformed a traditionally time-consuming process into an efficient, streamlined experience, enabling the client to achieve results quickly and accurately.

Key Achievements:

- **Time Efficiency:** The automated solution eliminated the need for clients to spend days or weeks manually sorting and analyzing data. By streamlining these processes, we reduced the task completion time to just 5-10 minutes.
- **Accuracy and Efficiency:** The system was designed to ensure data accuracy and operational efficiency. By automating complex calculations and data management tasks, we provided the client with reliable results and a more effective workflow.
- **Data Storage and Calculation:** The solution integrated advanced features for both storing and calculating data. It served as a comprehensive tool for data management, allowing the client to not only perform calculations but also securely store and organize their data for future reference.

Outcome: The implementation of this automated system provided the client with a robust, efficient tool that significantly reduced manual effort, ensured high data accuracy, and delivered a solution that supports both data storage and complex calculations.