



Senior Design Project Magnificent Baby - Team Magnificent

Executive Summary

Magnificent Baby is a start-up baby clothing line, which differentiates its products by using magnets instead of snaps, buttons, or Velcro. With its sales growth being more than double the expected rate they encountered challenges, especially with their inventory management system. Team Magnificent is a consulting firm for Magnificent Baby to help identify their problem areas and propose viable solutions that will help their business and accommodate their rapid growth.

Team Magnificent created a custom, versatile solution for the specific challenges of Magnificent Baby. In this report, Team Magnificent will discuss their findings on how to optimize operations, create lean processes, and reduce redundancy in data entry and information transfer. An in-depth analysis was done on the current process and the operational scenarios that could take place as a result of the recommended procedures.

As a result of the in-depth analysis, Team Magnificent has recommended a set of viable solutions, including inventory counting, QuickBooks Online, training, and integration. Purchasing the inventory counting services from their warehouse would economically benefit Magnificent Baby. This service will pay for itself once 20-25 garments are missing from the expected shipment from the manufacturer. Acquiring QuickBooks Online will accompany the inventory system they use now. QuickBooks Online allows the user to make inventory updates virtually anywhere that has internet access, increasing their profit margin considerably. They should participate in QuickBooks training sessions for both the current employees as well as future employees. Magnificent Baby should also employ a web designer to integrate the company web site with QuickBooks, which will eliminate the manual input process for creating invoices, saving Magnificent Baby 41 hours per month. The overall return on investment for the proposed solution will take place within two months due to the saved time, which is a shorter period of time than the required return on investment period of one year.