Drake Industries has been successfully manufacturing labels, data plates, and ID tags for almost five decades. They provide business to customers in a wide variety of industries from oil and gas to food and beverage. The company is looking to increase their profitability by improving their inventory management strategy. Currently, they are using a pen and paper method to maintain their records. With a broad spectrum of customers and products, their need for a more efficient and comprehensive material inventory system is vital. Drake occasionally experiences loss of final product due to an inconsistency of information. An efficient inventory management system can help Drake Industries better understand where they store their final products.

Drake Industries has been using an outdated and unreliable finished inventory system that has led to inaccurate records of current inventory levels. This has also created inadequate communication between various departments which has lead them to have a high overnight shipping cost and loss of value in items due to misplacement.

Using the collaboration of Microsoft Access and Excel, we built the architecture of a system that will make Drake Industries successfully be able to track and maintain inventory. Along with these two interfaces, a redesigned storage area will enhance clarity and promote ease of use. This will eliminate the inconsistencies with their current system.