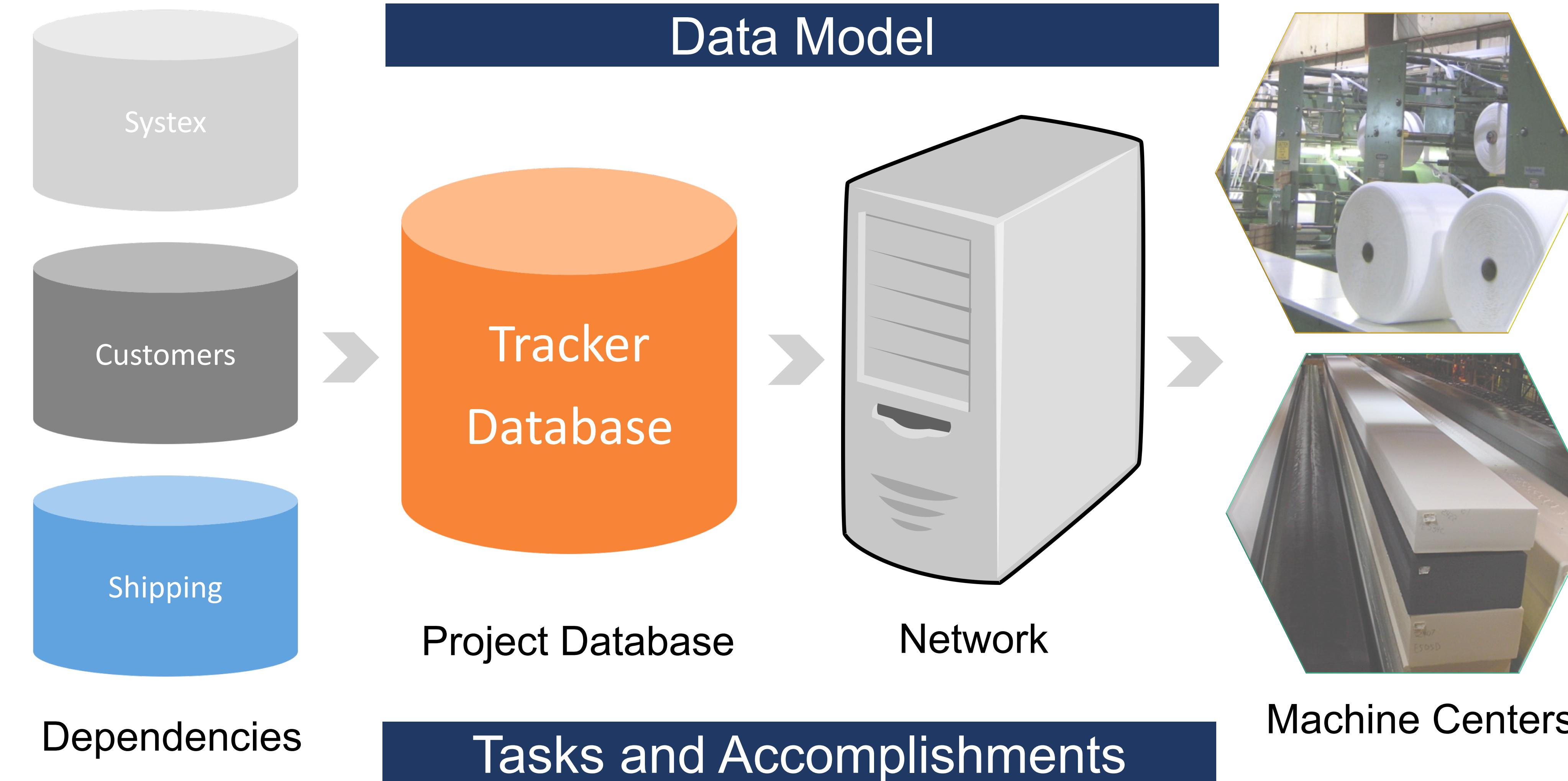


Summary

We have improved a Tracker Database System used by Woodbridge Foam Fabricating Inc. (WFFI). WFFI management decided that an update to Microsoft Access 2016 was beneficial for ease of use, to facilitate data transactions and to improve accountability. The features we implemented consisted of the following; we improved the windows login process, made audit table for logging and accountability, added triggers to the delete and login functionality to populate the audit tables, added restrictions on user input on the target width and height fields, and made it simpler to globally change the background logo.



Motivation

We are proud to be part of a project that will benefit the employees who work with this business critical database everyday. Not only will this project help employees with their jobs, but it also helped our senior development team to better understand the Software Development Life Cycle and gain valuable experience in working to develop a software product for a customer.

Project Description

The Woodbridge Foam Fabricating Inc. (WFFI) tracker database consists of 40 tables and 60 reports which are accessed daily by floor managers and employees to assist in the documentation of product quality at various stages in the manufacturing process.



Acknowledgements



Requirements Specification



Figure 3. Shows a machine center in the WFFI Chattanooga location where prioritized business requirements were gathered during the software requirements specification process.

Results

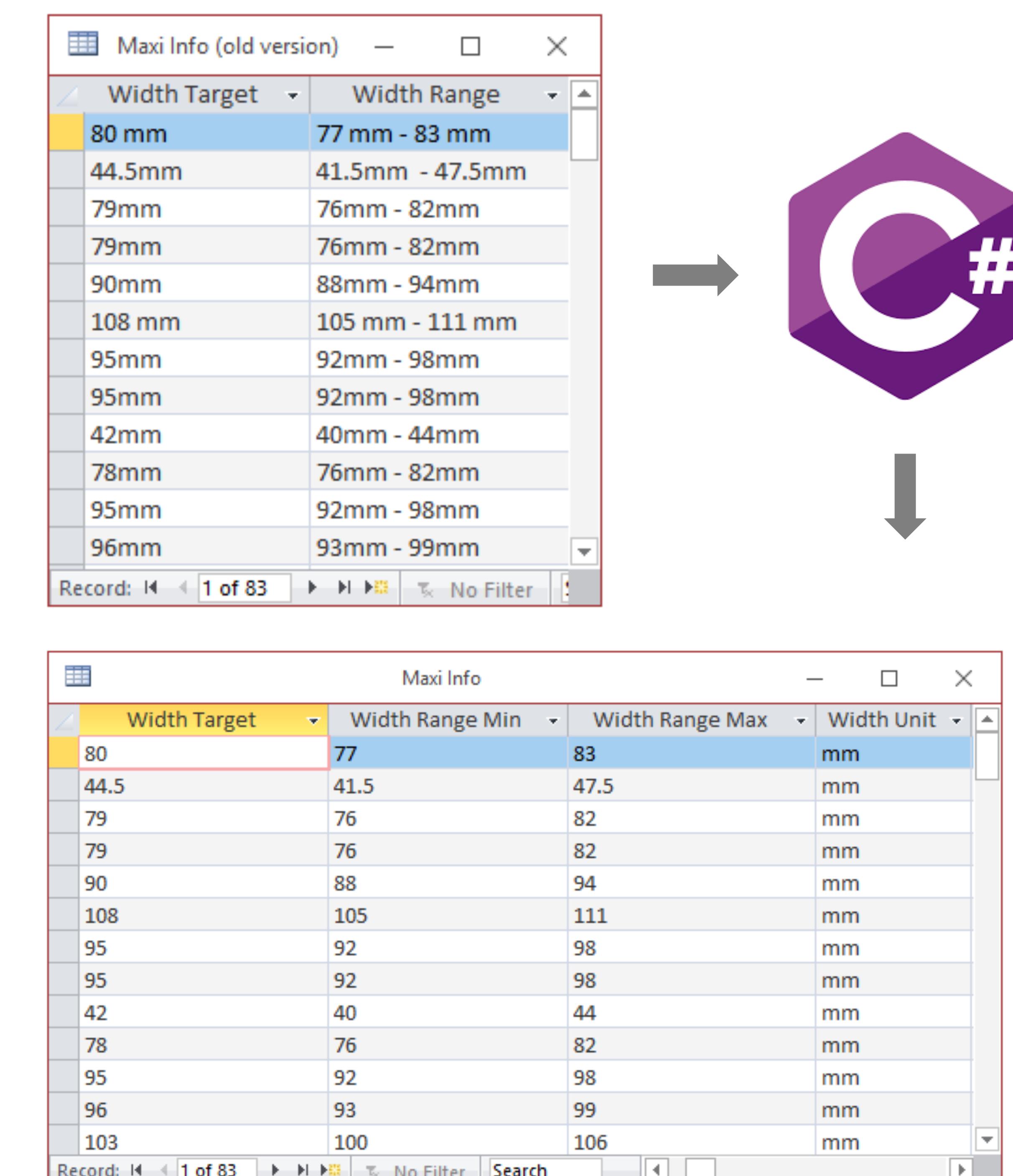


Figure 4. displays how a C# program was used to make conversions from text to numerical data