

EXECUTIVE SUMMARY

SALES AND INVENTORY MANAGEMENT SYSTEM DESIGN AND IMPLEMENTATION

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The primary goal of this internship project is to design, build and implement a new sales and inventory management system. The system simplifies the operation flow of the business, to reduce unnecessary steps in using the system by integrating different compatible modules into a compact one. Since the 27th of February 2019, this project has been developed until 8th July of the same year.

Client-Server architecture is used in the new system, also by leveraging the .Net Framework along with VB.Net language from Microsoft. The system is using MySQL as the database system. And for simplifying the design process during the development phase, the DevExpress WinForms is used to accelerate; thus, several advanced features that are offered by DevExpress controls are also being implemented into the new system. The client machine is retrieving data from Server relying on LAN or Local Area Network.

All of the basic data are being registered in the system. From customer to supplier data. Along with transaction inputs, the new system can produce useful reports for the manager to view and make the decision accordingly. The system also capable of exporting the existing dashboard and reports into any formats, especially excel format for data backups. The system has an excel-inspired input style for the end-users to make an easy adjustment from the previous system to the new one. Plus, in the end, the newly implemented system has a table-view inventory tracking feature that lets users monitor inventory movement chronologically.

Keywords: desktop, vb.net, sales and inventory management system, ERP, DevExpress, implementation, design, client, server, MySQL. dotNet Framework