ABSTRACT

This project was analyzed, designed, and developed in order to be used by YMS Co., Ltd. This project focuses on the inventory system which is controlled by transactional database. Database was basically designed and created as a tool to increase efficiency of data processing, data sharing, faster operation, reduce time, reduce mistakes and error etc.

The existing system was a noncomputerized system which has only performed many data transactions day by day. The existing system had many data transactions which are recorded on paper that may contain many errors and mistakes. Therefore, it is difficult to obtain the useful information from this existing system. This project provides the analysis of inventory system. The analysis is divided into many parts such as understanding of the existing system, setting up the scope of the new system, designing useful database, maintaining previous paper-based database and implementation.

The proposed system is designed under the system analysis theory and business condition such as organization's chart, data flow diagram and entity relational diagram. It has a main database for consistency and shared resource.

This system can resolve the existing operation's problem in order to reduce cost and time. It also included a decision for supporting system in order to support decision making of the management.