A STUDY AND IMPLEMENTATION OF CLIENT-SERVER APPROACH FOR STOCK REPLENISHMENT MANAGEMENT

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ABSTRACT

The proposed system – *A Study and Implementation of Client-Server Approach for Stock Replenishment Management,* aimed to depth studied and understood the operations and stock control management in A1 Book Centre determined the problems that occurred in the current system, designed and implemented a Stock Replenishment Management System by using a suitable solution. Besides this, the various types of client-server architectures would be studied in depth during this proposed system.

The proposed system would benefit the A1 Book Centre as well as their suppliers. In this project, it concerned about the process of stock replenishment for each of the product. Through this proposed system, it could assist the user to monitor and control the stock by given a minimum level of stock, hence when the stock reached the minimum level, the system would alert the user to make purchase order immediately. Thus, the quality of perishable stocks could be properly controlled and all the stocks would follow the first-in-first-out process. Furthermore, the user would save time in checking the stocks one by one during the end of every month in order to ensure that the stocks are regularly supplemented. All the information of product such as quantity on hand, supplier's contact information and monthly total sales would be entered and saved in the computer.

In addition, the proposed system provides user to send the purchase order directly to the suppliers. Thus, it would be more convenient as the user may save time in travelling and sending the purchase order to the suppliers. Thus, the items and quantities needed could be stated in the purchase order clearly. Moreover, the proposed system would calculate the total payment of the business transactions correctly. It would minimize a lot of troubles in calculating the total payment. Next, the proposed system could generate the daily and monthly sales report too. Then, the users could clearly know how much they had earned during the certain period and determined whether the products are sufficient to satisfy the demand of the customers.

Furthermore, the proposed system also provided the conversation room for the user and the supplies. It acts as the supplementary function of this proposed system. Thus, they could communicate and the detailed information such as the product's price, features, quantity and period needed could be informed to the suppliers through the conversation room. Then the user could build a good relationship with the suppliers.

Thus, the user could enjoy a lot of benefits from this proposed system by fully using the functions available. The details of the proposed system would be further discussed in the following chapters.