

ABSTRACT

This project was developed to improve the existing operation for JSF Golf Co., Ltd., which is a retail golf shop. Currently, its main problem stems from the lack of precise information of its inventory. Moreover, with the expanding of its new branches, there are a great confusion and more complicated issues to track and report the status of the inventory for the management. The objective of this project is to improve the existing inventory system to a new computerized system which will provide more efficiency to the inventory process and reliable information to support the management decision.

The study of this project begins with the required definition and analysis of the existing system. Information system analysis and design tools such as context diagrams, data flow diagrams, entity relationship diagram, data dictionaries, and structure charts are used to analyze both the existing and proposed systems. Candidate solution matrix is also used to compare various alternatives in order to find the most effective solution. The payback period method is used to evaluate the proposed system.

The new computerized system is implemented using LAN with 1 server, 3 clients, and 1 printer. Software for the purposed system are Windows XP Professional, MS Office 2000, and Microsoft Visual Basic 6.0. Based upon payback method, it shows that the initial investment will pay for itself after 1 year and 100 days. In terms of degree of achievement, the purposed system can process data about 1,200 times faster than the existing system.

The next step of the project is to expand the system to link all branches to the head office. More new branches are expected to open during the next 2-3 years. The modem will be used to communicate the data from the head office to each branch.