This research was conducted to determine current problems with patient records at Mho Somkiat Clinic. The current procedure was analyzed and a new system was designed and developed to meet users' requirements. In conducting this research, the researcher dealt with background data collection in three categories, namely, patient medical history, medication information and treatment history, problem analysis of the existing procedure of data collection and the development of a feasibility study. Following a system analysis, a data flow diagram was designed by the researcher whereby a system process was presented in a flow chart form. In designing a new system, the researcher used the Graphic User Interface (GUI) for interface design and the Sybase SQL Anywhere 5.5.03 relational database with 3 NF normalization for database design. Also, Power Builder 5.0.04 was used for developing the application.

The results of this study suggest that a clinic management system should have a network system (LAN) for providing drug information from doctors to clinic officers so prescriptions can be prepared more effectively. This software application development can be further improved for initiating tripartite information comprising patient history, drug information and medical treatment. The information system can be further improved by a database system to which this software application may be applied.