

## ABSTRACT

This project is about the analysis, design, and implementation of a system for a leasing company, Universal Leasing Co., Ltd., in order to reduce the time spent in the evaluation process for any lease application, to keep customers' financial data, to minimize bad debts, and to maximize profit.

The analysis phase consists of studying company business and existing business functions, and pointing out the current problems and areas for improvement. The data model (ERD) and process model (DFD) are drawn to define the data requirements and process requirements respectively.

During the design phase, three candidate solutions have been defined. The cost-benefit analysis technique is applied to select the best solution. And the recommended system is the custom program developed using VB6.0 and Access 2000 as a database management system.

The proposed system, LEASE EVALUATE SYSTEM, is designed starting from database design, inputs and outputs design, user interface design, hardware and software requirements, and lastly, security control.

System implementation involves programming, testing, training, and conversion. The system is tested in three levels: stub testing, program testing, and system testing. Finally, the system is placed into operation using parallel conversion.