

Thesis Title            A Construction of a Data Management System  
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#### ABSTRACT

The objective of this thesis is to develop the program for data management including to define a characteristic of data file, to store data, to update data, to print data and structure, and to reorganize data. Data are stored in disk separated in three parts.

- 1) Data Dictionary : This area is provided for storing data's characteristic and file structure which are created by users.
- 2) Index File : This area is provided for storing key and address of a record. The usefulness is for searching the data record in data file.
- 3) Data File : This area is provided for storing data which are well defined in data dictionary.

Operating of a program, the user are required to direct Data Management System through command which is developed for this system particularly. By this pattern of operation, the users can create data file, update without necessary to produce their own program.

This program is run under OS/VS1 of IBM 3031 installed at Computer Service Center, Chulalongkorn University.