Fixed Asset Information for a Bank

By

Ms. Montha Sangduen

Final Report of the Three - Credit Course
CS 6998 System Development Project

Submitted in Partial Fulfillment
of the Requirements for the Degree
Master of Science
in Computer Information Systems
Assumption University

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Project Title   ixed Asset Information for a Bank

Name   M ontha Sangduen

Project Advisor   Prof.Dr.Srisakdi Charmonman

Academic Year   1999

The Graduate Schools of Assumption University has approved this final report of the three-credit course, CS 6998 System Development Project, submitted in partial fulfillment of the requirements for the degree of Master of Science in Computer Information Systems.

Approval Committee:

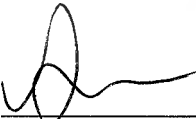(Prof.Dr.Srisakdi Charmonman)   (Air Marshal Dr.Chulit Meesajjee)
Chairman and Advisor   Dean and Co-advisor

(Dr.Sudhiporn Patumtaewapibal)   (Assoc.Prof.Somchai Thayarnyong)
Member   MUA Representative

March 1999

ABSTRACT

This project presents the analysis and design of the fixed asset information for Thai Farmers Bank. The system is developed based on the environment of the Thai Farmers Bank. The scopes of the project cover fixed asset data. However, it can be applied to any systems which are linked in the banking system to serve the need of executive management for fixed asset information system.

The study of this project begins with the requirement definitions and analysis of the existing system by using structure tools such as data flow diagrams, etc. The new system is designed to solve the problems found in the existing system and to satisfy the management in decision making by providing the common view of the fixed asset. The system is developed based on the client-server application which access the data in on-line real time. The system is implemented in Visual Basic language, GUI technology which is easy to use and easy to be changed by the user the mselves. The cost analysis and cost comparison of new system employ the payback methods for determining payback apply to cost saving anticipated each year, and outstanding investment cost. learning to use the new system is quite obvious. The user will have a hand-on training for a few weeks. The proposed system will run in parallel with the existing system until the users feel confident with the new system. To enhance the effective management, the system should be developed further to the larger scale and connected to the other system in the banking system.

ACKNOWLEDGEMENTS

The completion of this project is a result of encouragement and contribution of individuals who made this successful. First and foremost I owe great deal to Prof. Dr. Srisakdi Charmonman, for his valuable guidance during the of completion the project.Thanks also to the project committee members of the Graduate School of Computer Information System at Assumption University.

Finally, she is greatly thankful to her mother and father, all the instructors in the MS CIS program for advocation and support throughout her graduate study and also everybody that has a part in this project accomplishment They have been a great source of encourangement for me throughout my study in ABAC.
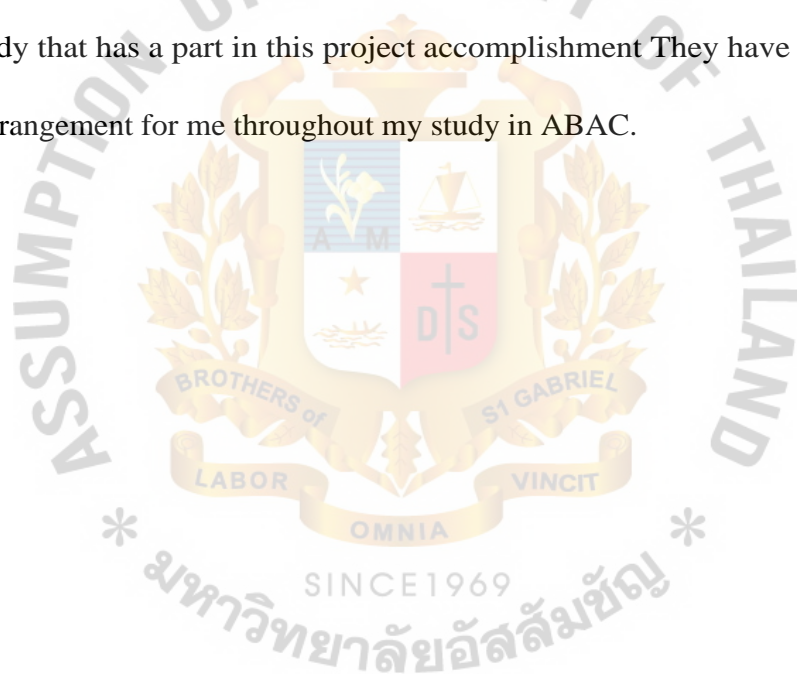
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I. INTRODUCTION

Given in this chapter are the background to the project, objective, scope of the project and project plan.

1.1 Background of the Project

Fixed assets are tangible properties that include building, car, equipment, computer and furniture that are used in the normal conduct of a business.

The main concept structure design of the new system is to complete all the processes of user request for services and include other processes related to the system. The new system provides facilities in record keeping for each request. The information of this finished Fixed Assets of Thai Farmer's Bank is very important to various sections which will be processed .These items are relatively permanent and often represent a company's largest investment. Transactions that change the amount of investment in fixed assets tend to occur infrequently and to involve relatively large amounts of money.

The Fixed Asset (FA) system is used to track the acquisition, depreciation, and transfer of fixed assets. It allows the user to test different methods of depreciation to determine which method or combination of methods is most beneficial to the life of an asset. FA also detailed reports that enable the user to calulate tax and report resulting responsibilities.

To accomplish financially strong support for updated information for associated systems or and to provide adequate control for the management group, an automated- Fixed Asset Information System is required.

Thai Farmer's Bank accumulates many assets over the life of the business,

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disposes of assets (by retirement, archive, or other means) moves assets from one location to another, and matches the costs to revenues by means of periodic depreciation charges over the estimated useful life of the asset. To accomplish these tasks efficiently and to provide adequate control, an automated system is required.

In the organization, many departments that need the computing services from the information is to complete all the processes of user request for system and includes other processes related to the system. For the Thai Farmers Bank, the new system provides facilities in record keeping for each requests the information. This finished fixed asset of the Thai Farmers Bank is very important to various sections to accomplish financially strong support updated information for associated system or department and to provide adequate control for the management group, and automated system. Fixed asset information system is required.

1.2 Objectives of the Project

The main purposes of this project are :

1. To study the existing system.

2. To analyze,design the proposed computer based information system.

3. To develop the software and the hardware according to the user

requirements.

1.2.1 Objectives of the system

The Objectives of this project on Fixed Assets are as follows:

1. To study the existing system.

2. To analyze, design, and implement the purpose system including

the software and the hardware.

3. To provide management with inquiry and reports for planning the use of and controlling the individual assets items.

4. To use the database management system concepts and technique to provide up-to-date, effective and accurate information for managing this system.

5. To design the system to match more requirement.

1.3 Scope of the Project

The project will cover major parts of the Fixed Assets of this organization as follows:

1. Having the ability to process depreciated calculation by several calculated methods.

2. Generating the required reports for Accounting Department and Management.

3. Recording the information about Fixed Asset acquisition.

4. Recording all approved request about Fixed Assets.

1.4 Project Plan

The project plan is given in the form of Gantt Chrt as shown in Table 1.1

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Table 1 1. Gantt chart of Project Plan

ACTIVITIES	NOV				DEC				JAN				FEB			
SYSTEM ANALYSIS - EXISTING SYSTEM																
- Existing system flow of old system	■															
- Survey project scope		■	■													
- Study and analysis				■	■											
- Identify of the contents of the data store						■										
- System requirement							■									
DETAIL ANALYSIS & DESIGN - NEW SYSTEM																
- Hardware/Software install						■										
- System design								■								
- Data dictionary									■							
- Design new system										■						
- Report layout											■					
- Screen layout												■				
IMPLEMENTATION OF THE NEW SYSTEM																
- Coding/development programming												■	■			
- System specification														■		
- Testing															■	
- Adjusting																■
- Document																■

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II. THE EXISTING SYSTEM

Given in this chapter are background of the organization, existing functions and existing problems.

2.1 Background of the Organization

Thai Farmers Bank initially used Batch Processing that was developed about fifteen years ago on IBM 480. Fixed Asset is Batch processing that has been developed for about 15 years on IBM 480, the control system is a manual system. Purchase Order system is a manual system that uses documents for every procedure. This takes time in collecting documents because data from supplies are incomplete. It takes time to examine the budget before purchasing order. Incomplete budget and purchase order system will delay other systems, for example General Ledgers System, Account Payable System etc., Thus this work is redundant. Documenting through the manual system does not allow immediate updating of information.

With the positive growth history and a very strong positive outlook, the bank is now moving ahead to further pursuit information technology replacing the manual or paper based system by the computer based system.

2.2 Existing Problems

Because of the existing system, many problems have occured in the system as follows:

1. Under the manual system, it cannot handle large volumes of data that must be processed. As a result, this system is both time cosuming and costly.

2. It does not support the updated information for associated department and not provide adequate control for management group.

3. It takes too much time to produce reports, and these reports are inaccurate.

4. It does not cover any integrated information of total fixed asset and place it into one place which is easy to manage. The required information may be lost or take too much time.

5. Keeping data and keying data are redundant

   - It takes too much time to produce reports , and these reports are inaccurate.

6. Many systems are not interconnected. This slows down the process of information retrieval.

7. Officers at the operation, management and executive levels cannot make good decisions due to the lack of accurate and uptodate information.

8. Document is needed at every step.

9. Lack of budget control

10. Big master file which uses a long time in operation.

11. Steps in updating are difficult.

12. Data are not up-to-date.
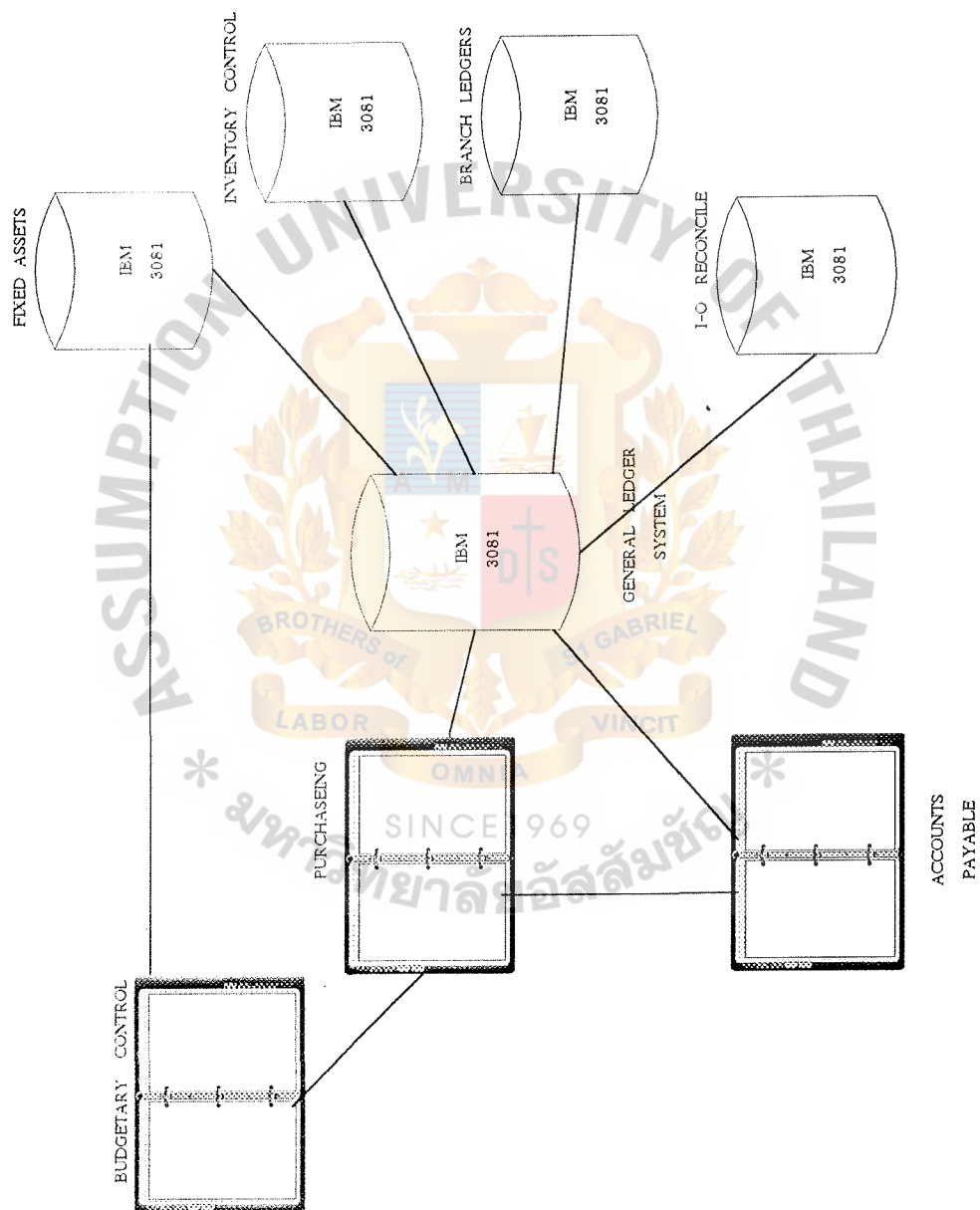
Figure 2.1. Existing System Flow
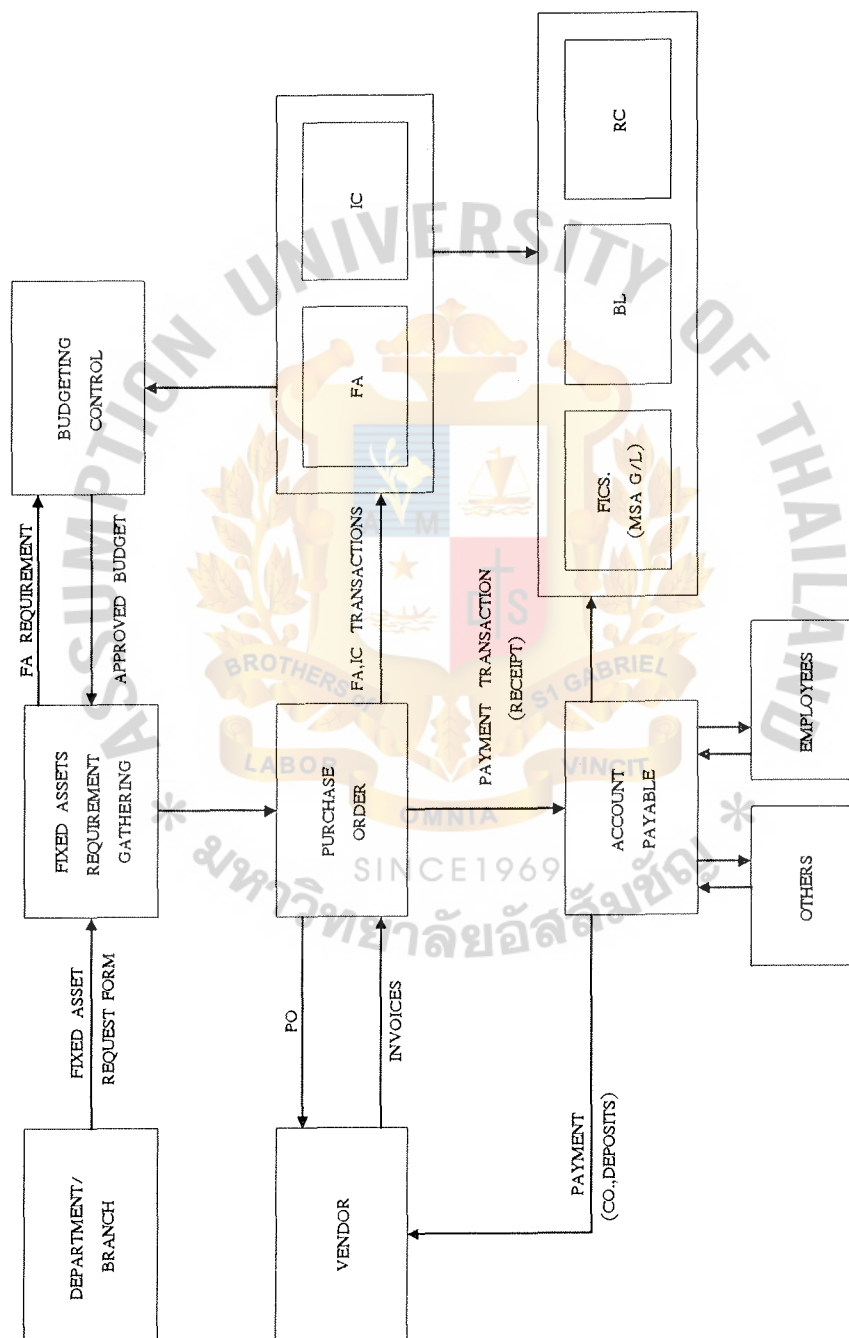
Figure 2.2. Existing Subsystem Flow

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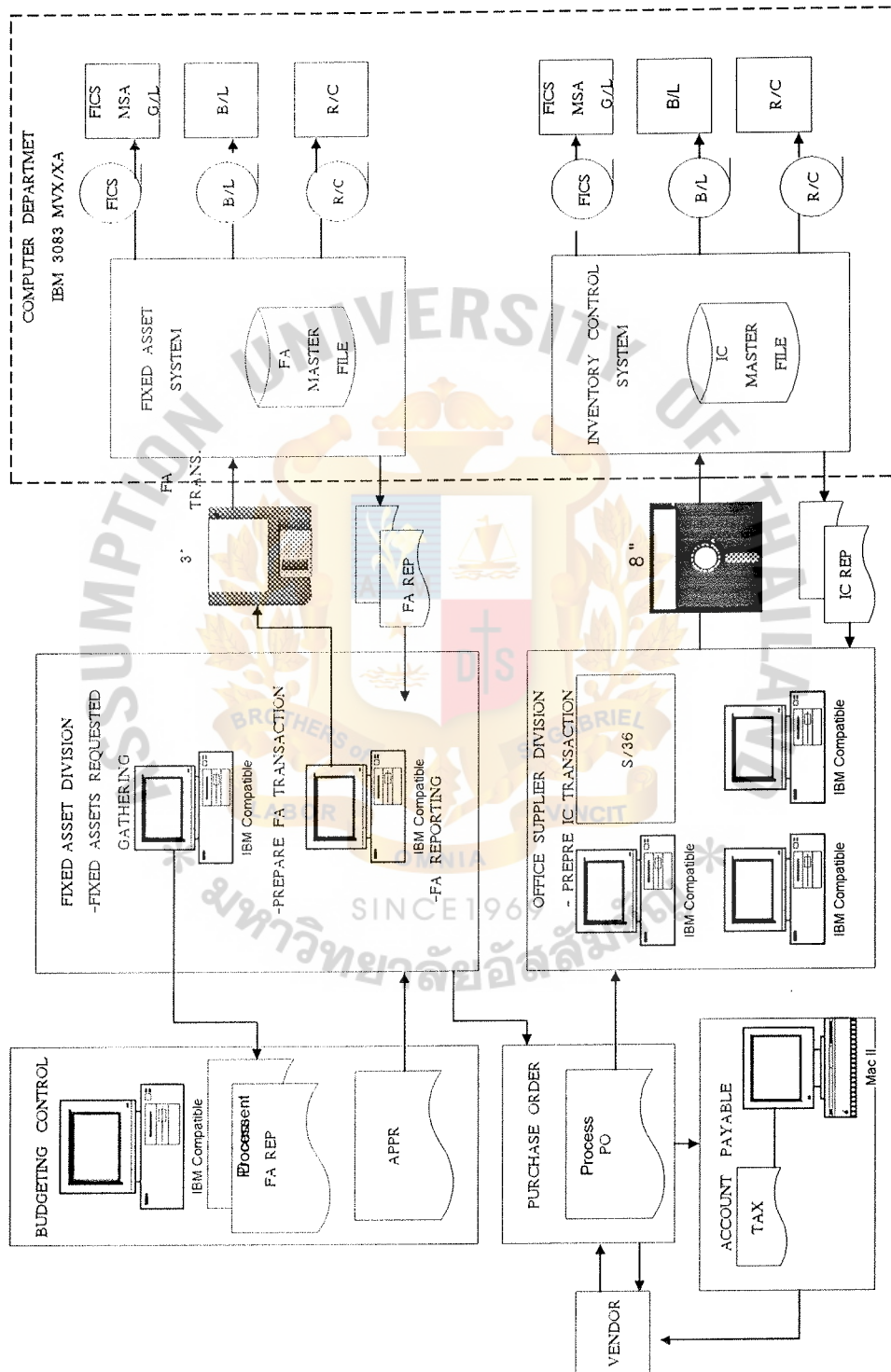
Figure 2.3. Existing System Macro View

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III. THE PROPOSED SYSTEM

Given in this chapter are user requirements, proposed functional requirements, proposed database, source documents, user interface ,design, output, report, proposed configuration, cost/benefit analysis finally conclusion and recommendation.

3.1 User Requirements

The user's requirements for the proposal system are the desired program specifications that users would like to have in computerized Fixed asset information system. User requirements of the proposed system are as follows :

1. To have interconnection throughout the system.

2. To have the system that is easy to maintain and control for accuracy of the database.

3. To support the required information for other sections or departments, especially for Management and Accounting Department.

4. To have the system that can accurately keeps data confidential for only authorized user.

5. To have data efficiency for management.

6. To retrieve immediate data pass computer replace paper.

7. To Reduce Process/redundancy in operation

   - Reduce time key day.

   - Reduce time for examining data.

   - Reduce document.

8. The personnel have knowledge and understanding in the work of their responsibilities at the start and the end.

9. To have the system that can secure any confidential data for only authorized users.

10. To have the system that is easy to maintain and control for accuracy of the database.

3.2 The Proposed Functional Requirement

The proposal system composed of four main functions as follows:

1. Process New F/A Data

   This bubble is responsible for generating inventory label and post acquisited transactions and also generating new fixed asset report.

2. Process F/A Acquisition

   This bubble processes any requests, classifies them into acquisition, disposition and transfer requests. Besides that, it must receive and keep track of new fixed asset information.

3. Process F/A Activity

   This bubble disposes and transfers activity, recording activity transaction, maintaining their associated data and generating fixed asset activity reports which include disposal activity and transfer activity reports.

4. Periodic Accounting Closing

   This bubble processes any periodic request. For this system, periodic depreciation is the main periodic processing. All periodic transactions are posted to the journal and finally are created as depreciation report.
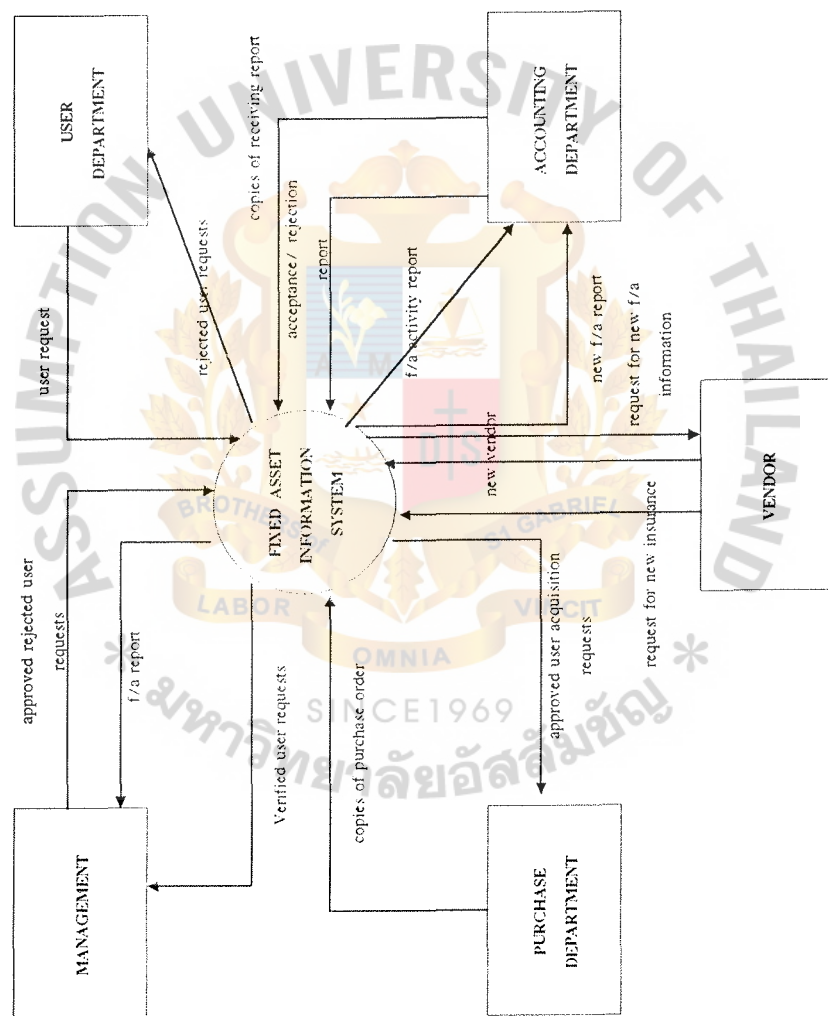
Figure 3.1. Context Diagram
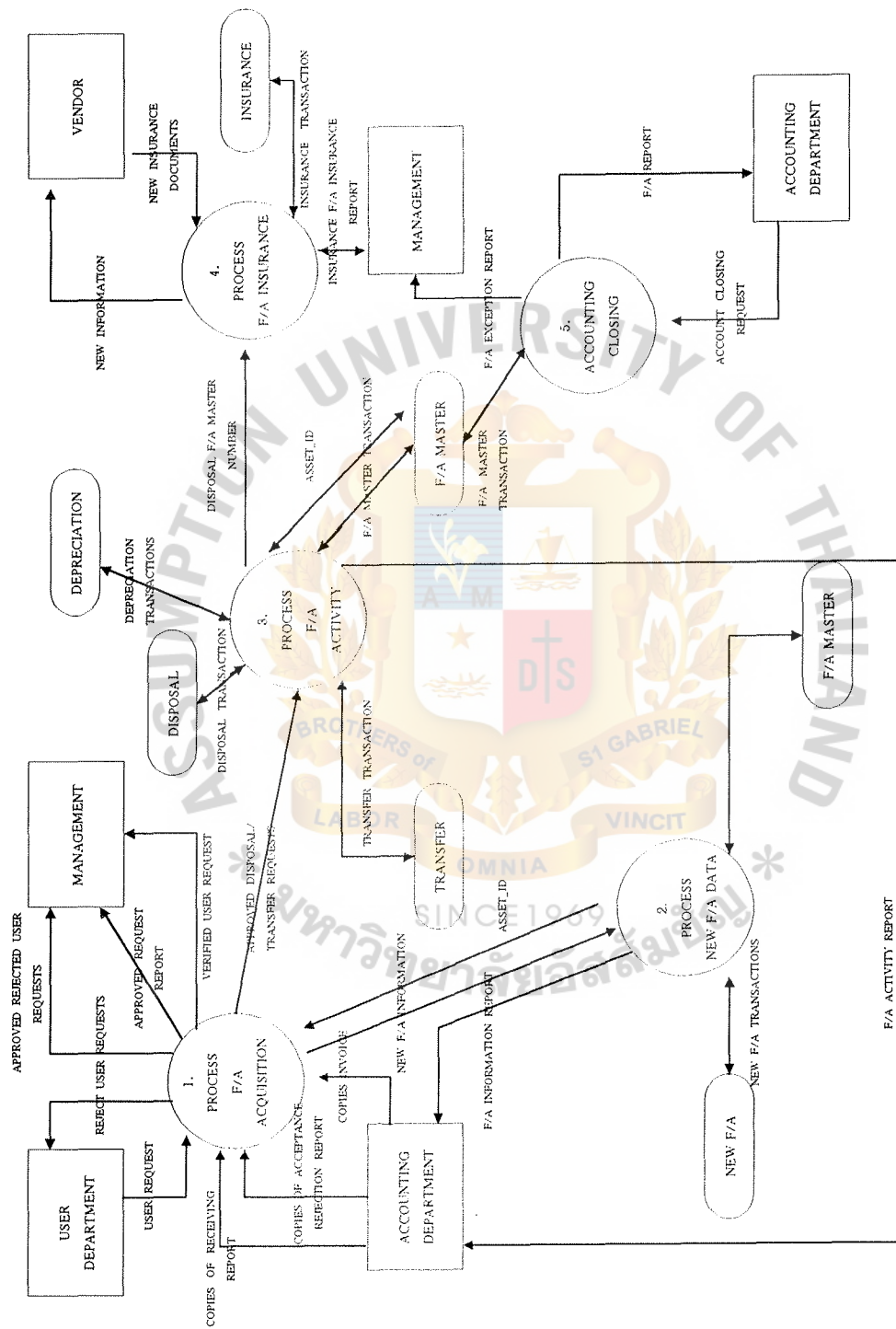
Figure 3.2. Data Flow Diagram Level 0

13
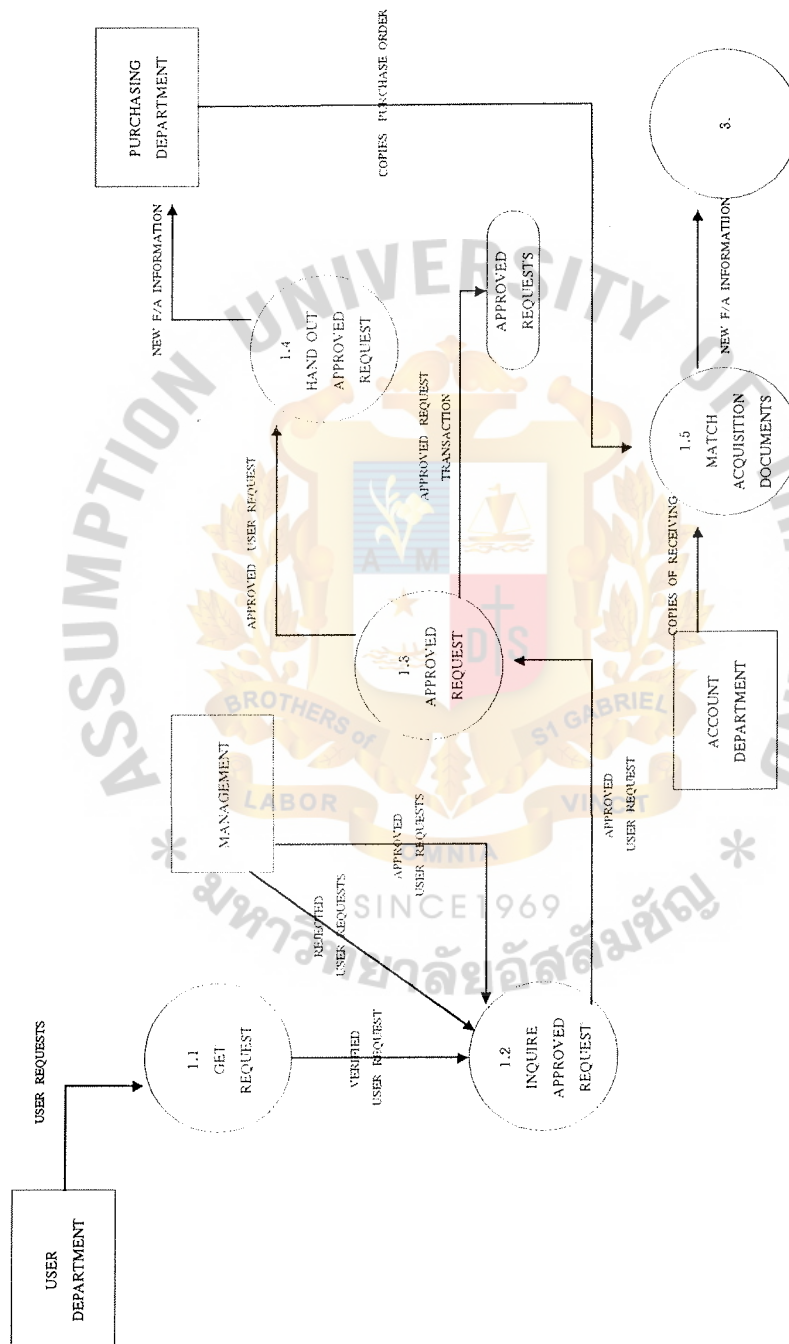
Figure 3.3.   Data Flow Diagram Level 1 (Process F/A Acquisition)

14
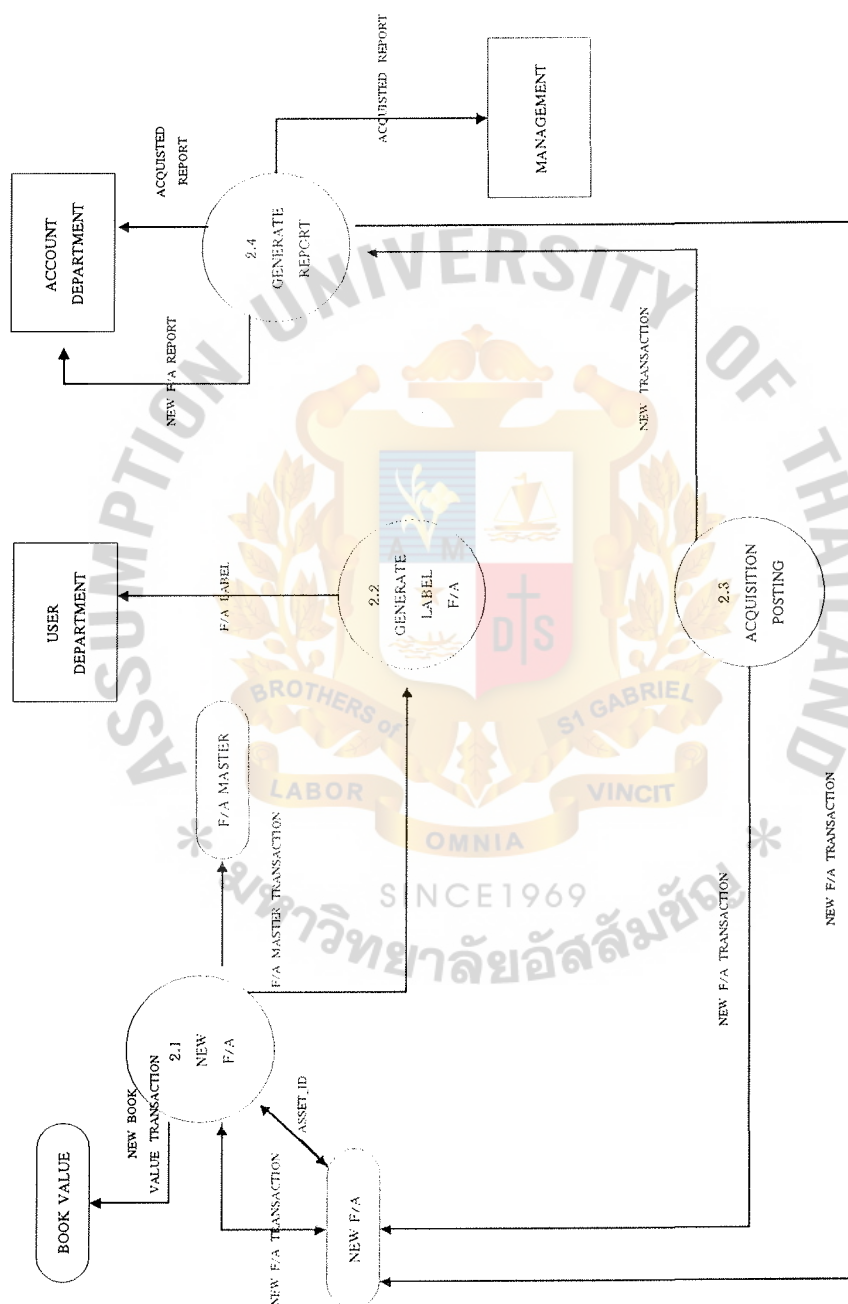
Figure 3.4. Data Flow Diagram Level 1 (Process New F/A Data)
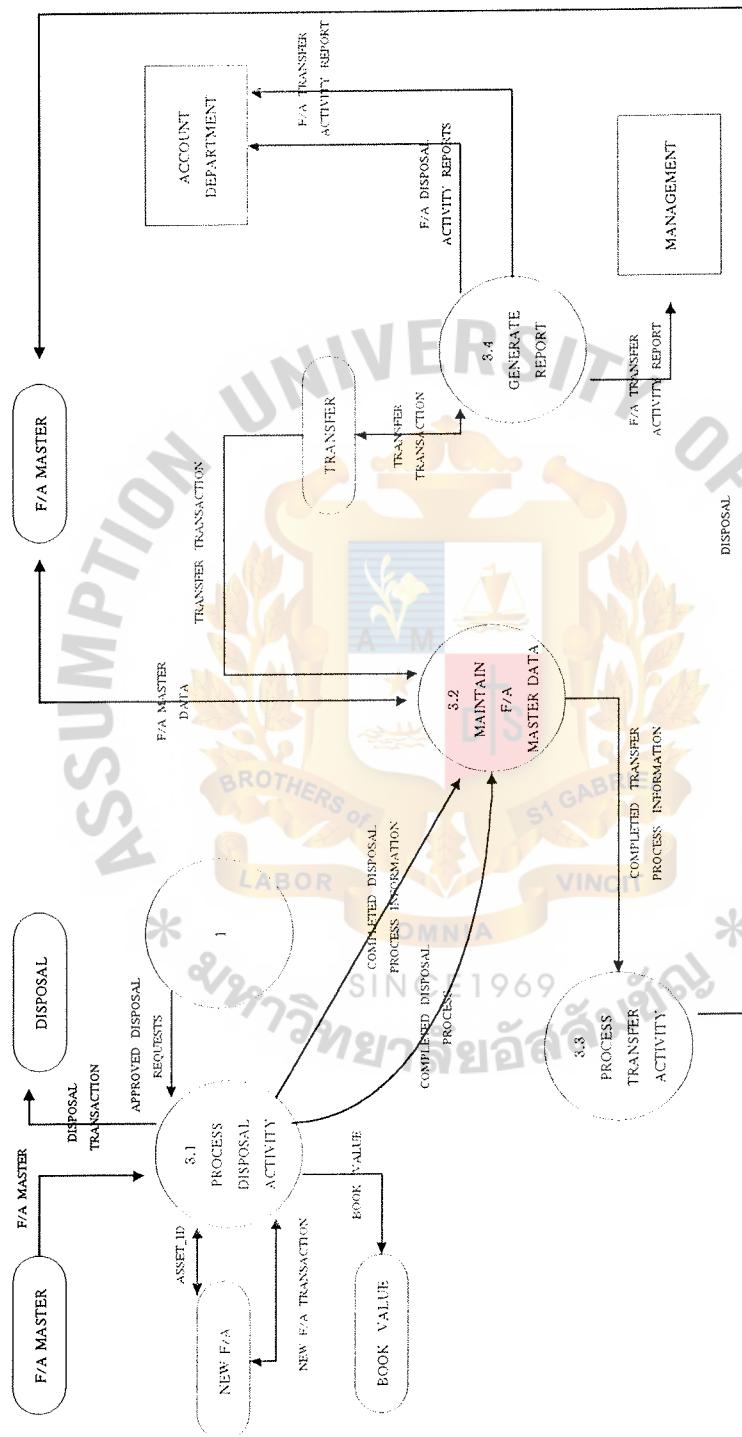
Figure 3.5. Data Flow Diagram Level 1 (Process F/A Activity)
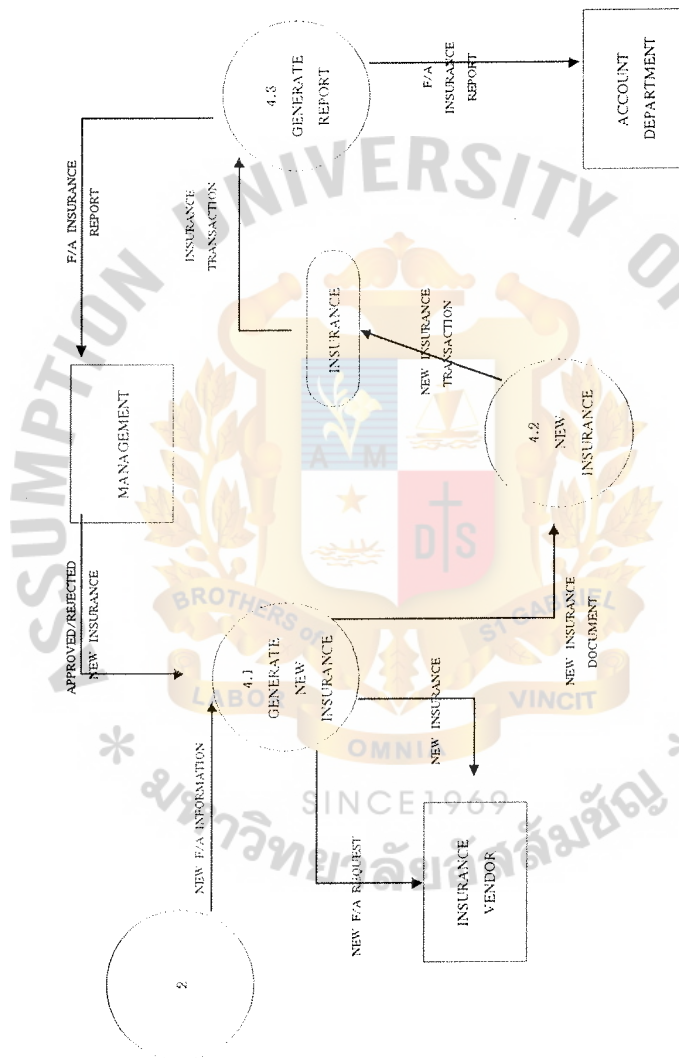
Figure 3.6.   Data Flow Diagram Level 1 (Process F/A Insurance)

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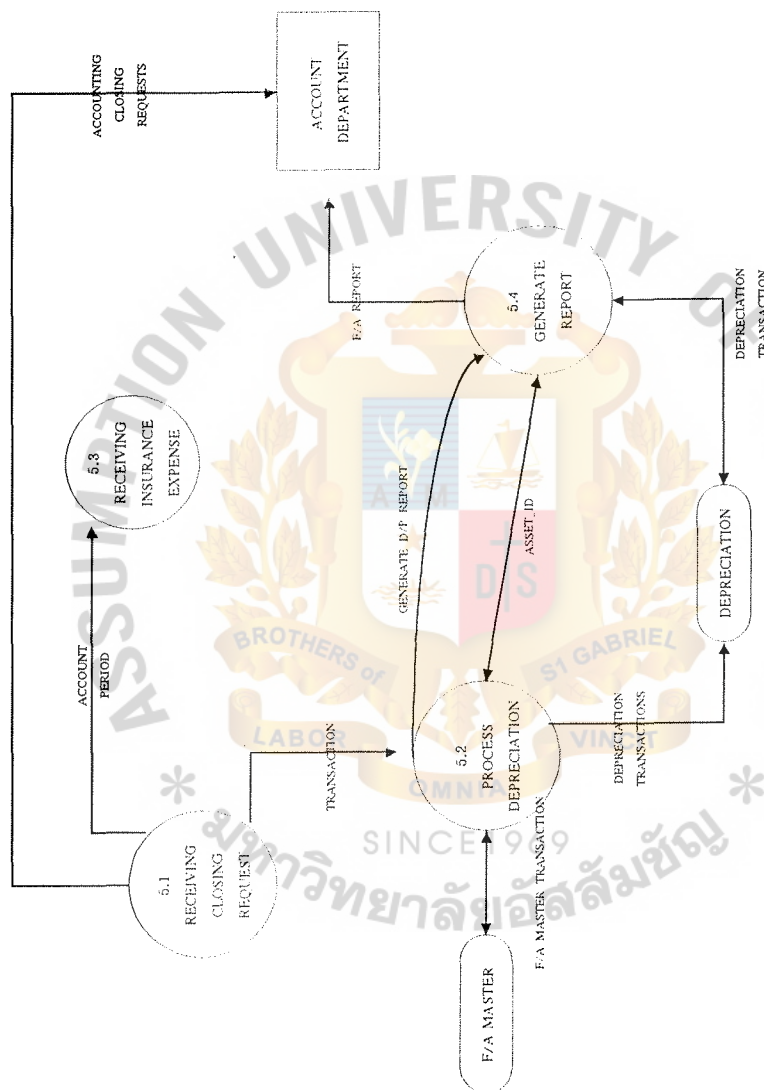
Figure 3.7. Data Flow Diagram Level 1 (Process Accounting Closing)
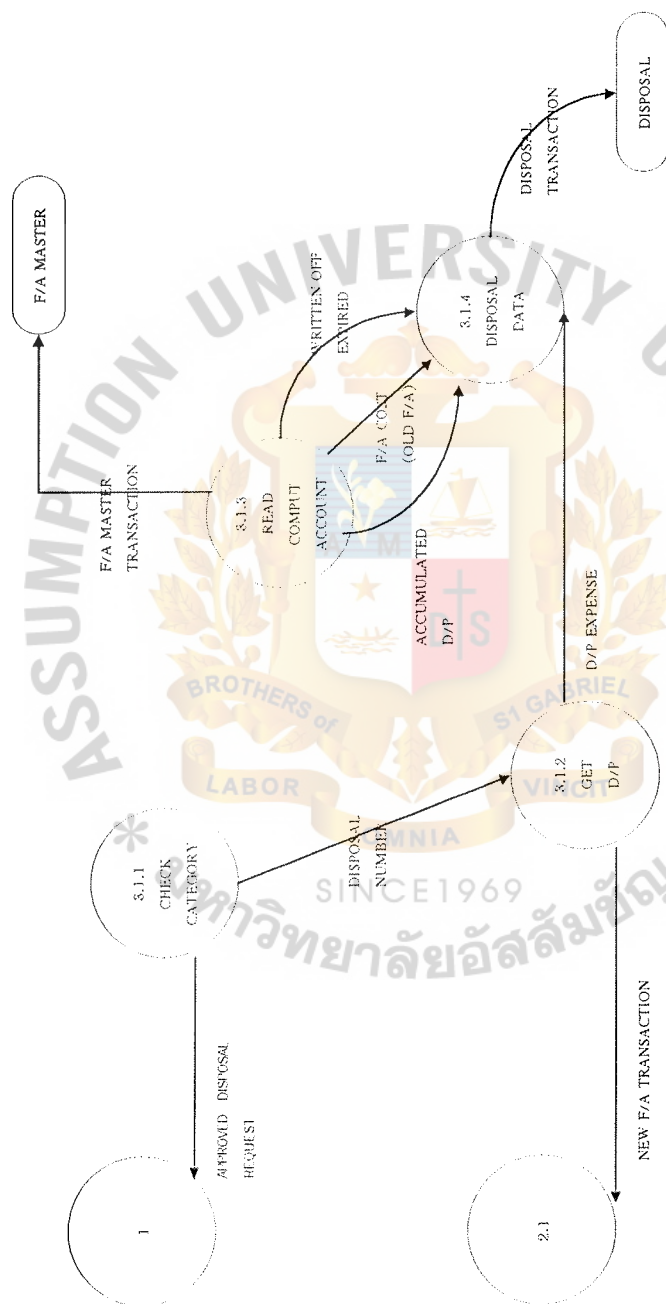
Figrue 3.8. Data Flow Diagram Level 2 (Process Disposal Activity)
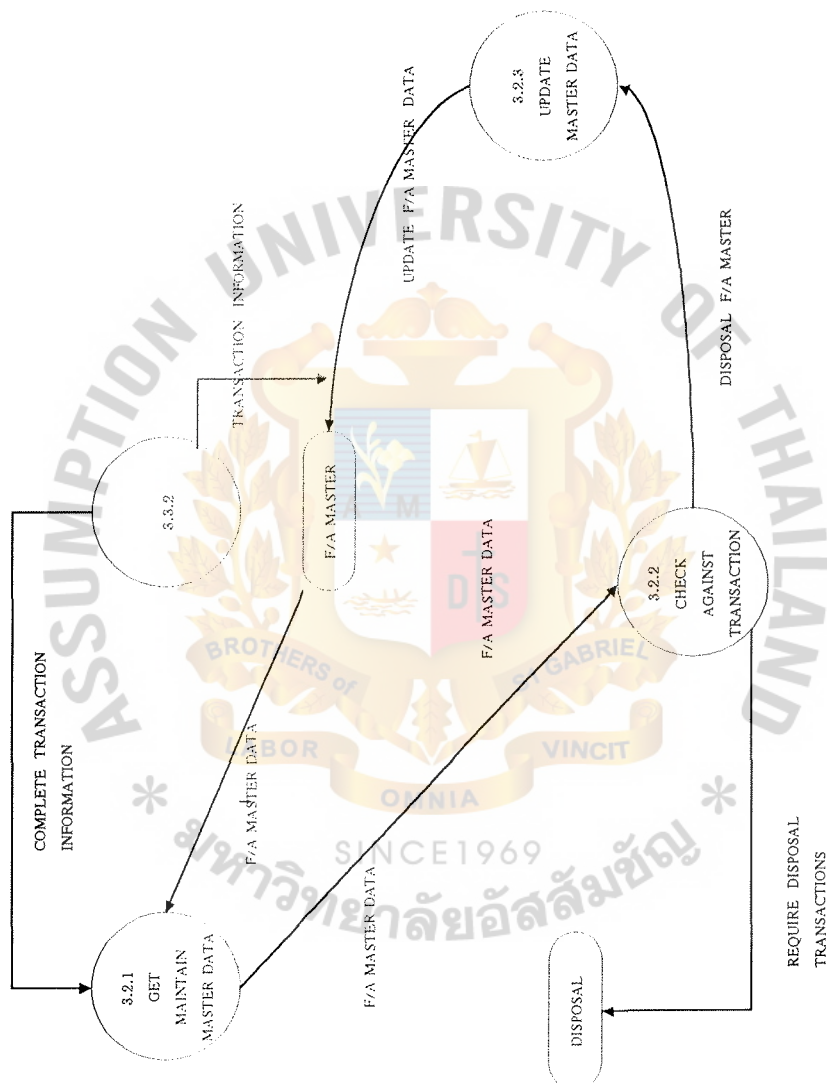
Figure 3.9.   Data Flow Diagram Level 2 (Maintain F/A Master Data)
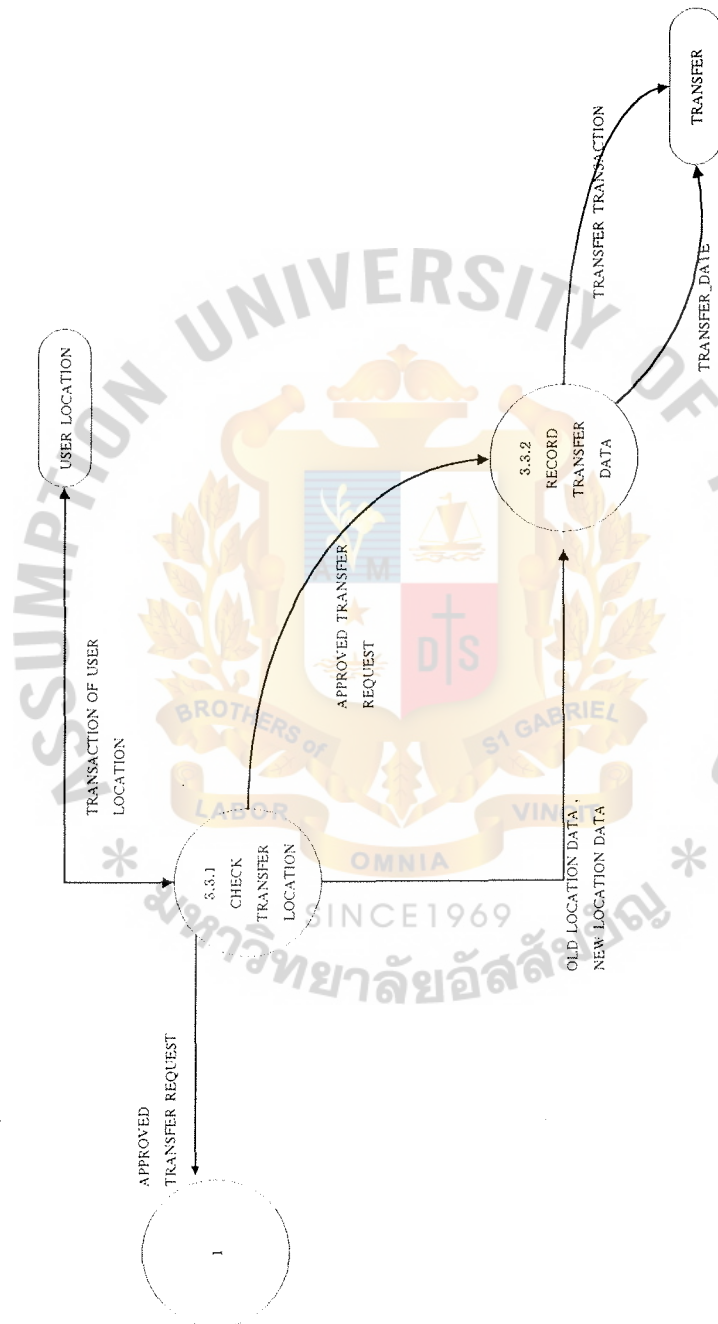
Figure 3.10.   Data Flow Diagram Level 2 (Process Transfer Activity)
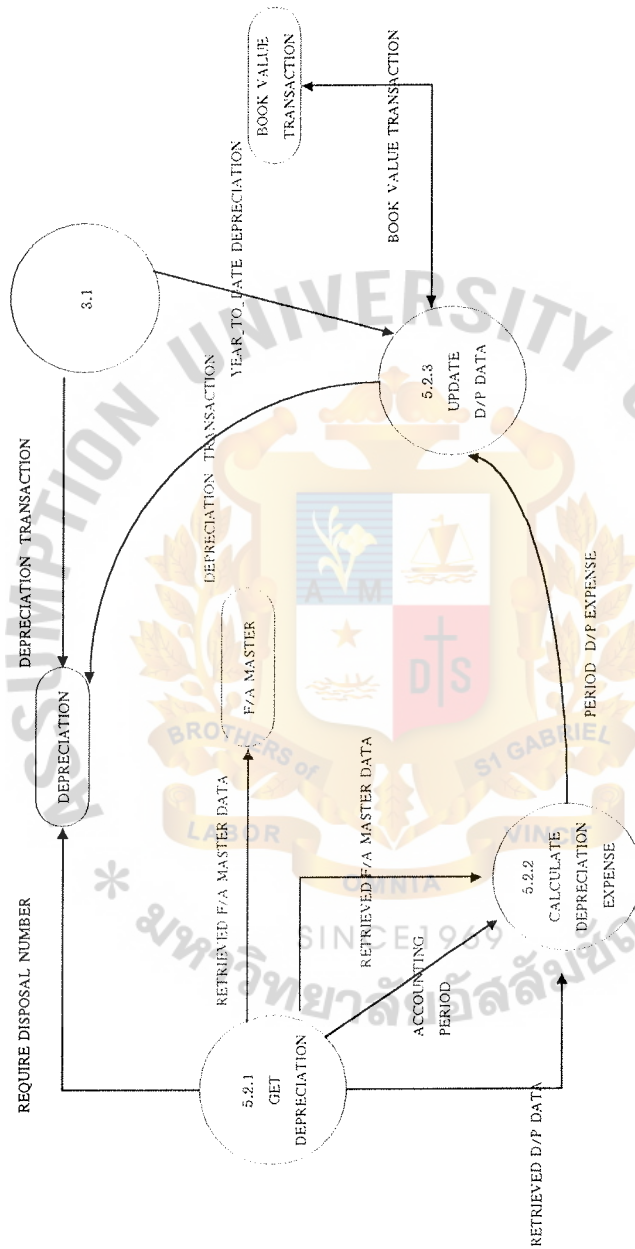
Figure 3.11. Data Flow Diagram Level 2 (Process Accounting Closing)

3.3 Data Dictionary

A data dictionary is documentation that supports data flow diagrams. It contain all the terms and their definitions for data flows and data stores that relate to specific system. A data dictionary uses the symbols as follows:

= is composed of

+ and

( ) optional (may be present or absent)

{ } iteration

** comment

[ ] select one of several alternation choice

@ identifier for a store

| separates alternative choices in the [ ] construct

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Data Dictionary

account category	=	*the account names that is grouped together in one category*
account name	=	** 1{alphacharacter}
account name	=	*the standard description name of accounting*
account closing request	=	*the end close period request from ACCOUNTING DEPARTMENT *
accumulated d/p (old f/a)	=	*the accumulated depreciation of fixed asset*
acquistion date	=	*date the asset was acquired
acquisition detail	=	*the acquisition detail of new fixed asset* approved request no. + purchase order no + invoice no. + vendor no. + vendor name
approved/rejected new	=	*the insurance which are proved by MANAGEMENT for authorization*
approved disposal request	=	*verified disposal user requests which had been authorize by MANAGEMENT already*
approved Request	=	*information maintained about fixed asset approved request*

approved request transaction = *the transactions about READ,WRITE or

UPDATE of APPROVED request data

store, may be perform for all or some of

the data*

approved request report = *report that represent approved requests

to MANAGEMENT*

approved user acquisition = *verified acquisit user requests which had

been authorize

approved user requests = *verified user requests which had been

authorized by MANAGEMENT already*

asset_id = *the asset ID portion of the asset identifier. The

complete, unique asset identifier.

book value = *information maintain of book values*

book value transactions = *maintenance procedure of book value

data store*

completed disposal process = *the information that is displayed to clerk that

each information disposal activity is

completely recorded*

completed transfer process	=	*the information which is displayed to clerk information about each transfer activity is completely recorded*
copies of invoice	=	*a billing statement for goods purchased or sold on credit*
copies of purchase order	=	*the orders for fixed asset acquisition which are prepared for selected vendor under specifically requested terms*
d/p data	=	*alias for depreciation transactions*
depreciation	=	*the depreciation information of fixed assets *
depreciation report	=	*the report about depreciation expense for ACCOUNTING DEPARTMENT*
disposal	=	*information maintained about disposal activity*
disposal f/a master data	=	*alias for f/a master data*
disposal transactions	=	*maintenance processing for disposal data store*
f/a disposal activity report	=	*the report of disposal activity for ACCOUNTING DEPARTMENT AND MANAGEMENT*

f/a insurance report	= *the insurance report for ACCOUNTING DEPARTMENT and MANAGEMENT*
f/a master	= *information maintained about each fixed assets properties*
f/a master data	= *the data which is received from f/a master data store*
f/a master transactions	= *maintenance procedure for f/a master data stores*
fixed asset name	= **
generate d/p report	= *the information that tells the clerk that generate depreciation report is completed and ready for later processing*
insurance	= *the insurance information of fixed asset*
insurance data	= *the retrieved insurance data from insurance data store*
insurance transactions	= *information maintenacne of insurance data store*
new f/a	= *information maintained about new fixed asset item*

new f/a information	= *the new fixed asset information which is received from matched documents copies of purchase order , copies of invoice and copies of receiving report*
new f/a master transactions	= *maintainance procedures of f/a master data store*
new insurance	= *the insurance conditions that insurance vendor must perform when uncertain situation occur about each fixed asset or group of fixed asset *
new location data	= *the new user location data received from approved transfer and user location data store*
old location data	= *the old user location data received from approved transfer requests and user location data store*
rejected user requests	= *user requests which had not been authorized by MANAGEMENT*
retrieved d/p data	= *alias for required depreciation data
retrieved f/a master data	= *the required f/a master data that is retrieved*

required book value data	= *the book value data that is read for processing*
required depreciation data	= *the retrieved depreciation data from depreciation data store for processing*
salvage value	= *salvage value amount
transfer	= *data store for transfer activity*
transfer activity report	= *the report of transfer activity for ACCOUNTING DEPARTMENT AND MANAGEMENT*
transfer_date	= *the effective date of the transfer. The fiscal year offset is applied to the transfer date in order to determine the transfer period. The transfer period is used to generate the transfered assets report
transfer f/a master data	= *the f/a master data which are completely updated and sent to write to f/a master data store*
transfet transactions	= *maintenance procedure for transfering data store*
user acquisition requests	= *the expenditure requests which are issued to initiate the purchase to fixed assets*
user disposal requests	= *the disposition forms which contain all necessary information relating to the disposal, including the approval of the appropriate executive*

user location	= *information maintained about user department*
user location name	= *the department or section name 1{alphacharacter}
user requests	= *the source documents which are classified into acquisition request,disposition requests, and transfer requests*
user transfer requests	= *the documents that facilitate transfer transaction type of fixed asset from one operating department to another department.
vendor detail	= *the information of each vendor* vendor no. + vendor name + vendor address + vendor tel

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3.4 Display Screens

Displaying screens include the entry form screens. There are

- F/A Master Screen

- F/A New Asset Screen

- Approved Request Screen

- Insurance Screen

- Disposal Activity Screen

- Transfer Data Screen

- Activity Screen

- Fixed Asset Report Screen

- Asset Master Summary Screen

- Asset Master Detail Screen

- Asset Transfer Screen

- Asset Depreciation Histories Screen

- Deleted Asset Activity Screen

- Transfer Asset Activity Screen

Figure 3.12. F/A Master Screen

Figure 3.13. F/A New Asset Screen

Figrure 3.14. Apprpved Request Screen

Figure 3.15. Insurace Screen

Figure 3.16. Disposal Activity Screen

TRANSFER ACTIVITY

FIXED ASSET NAME

APPROVED REQUEST

OLD USER LOCATION NO.

NEW LOCATION NO.

APPROVED REQUEST

TRANSFER DATE

| ADD | UPDATE | DELETE | CANCEL | PRINT |

Figure 3.17. Transfer Data Screen
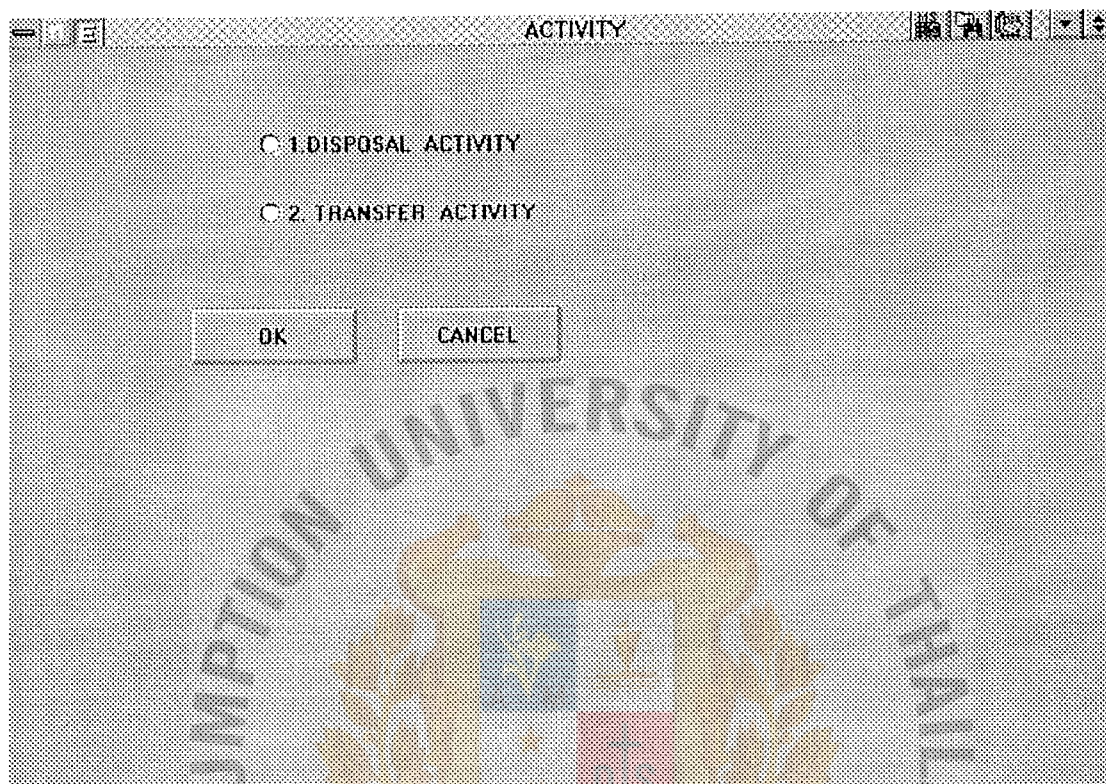
Figure 3.18. Activity Screen

FIXED ASSET REPORT

- ○ 1. F/A MASTER REPORT
- ○ 2. F/A NEW ASSET REPORT
- ○ 3. BOOK VALUE
- ○ 4. DEPRECIATION REP(
- ○ 5. DISPOSAL REPORT
- ○ 6. INSURANCE REPORT
- ○ 7. LOCATION REPORT
- ○ 8. VENDOR REPORT
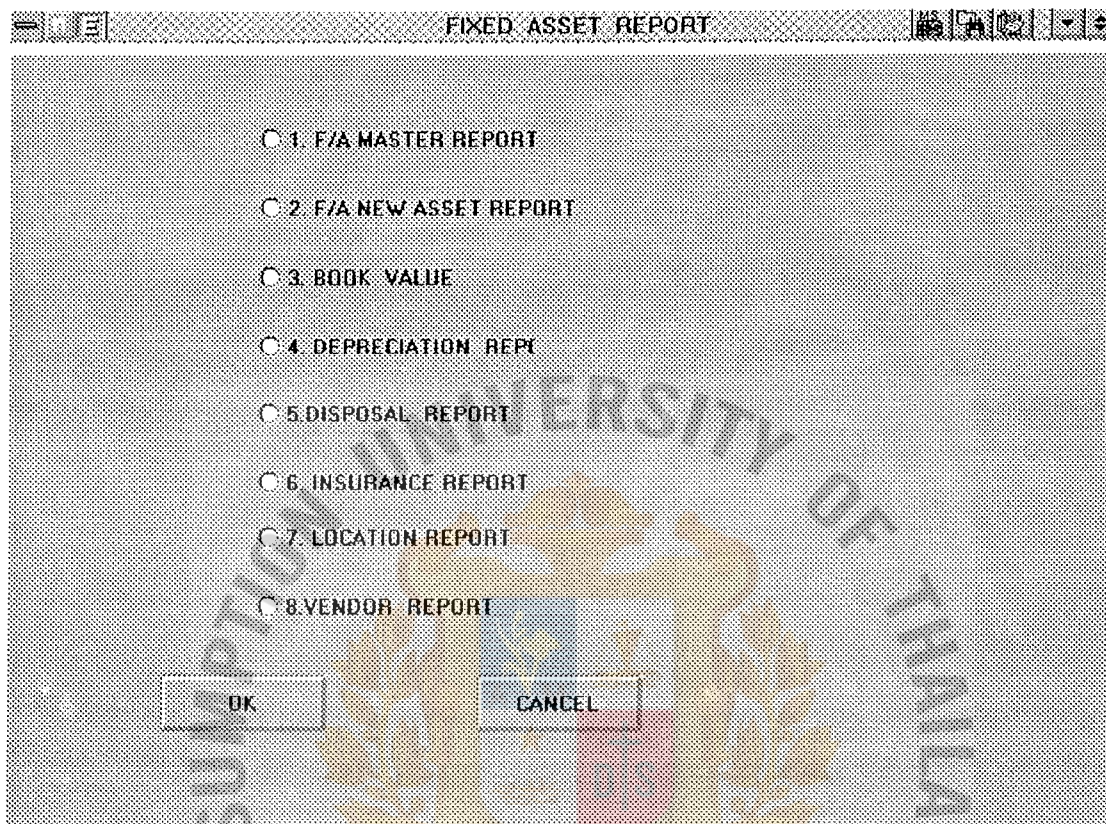
OK   CANCEL

Figure 3.19. Fixed Asset Report Screen
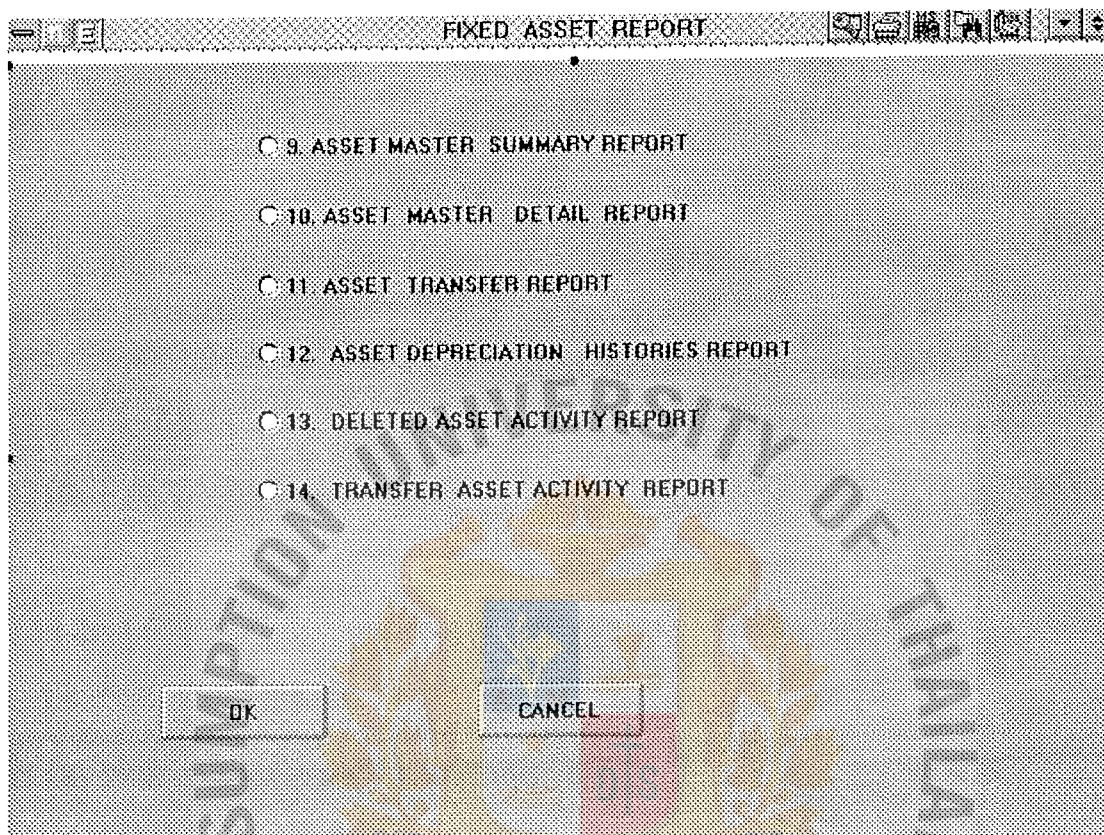
Figure 3.20. Fixed Asset Report Screen

Figure 3.21. Asset Master Summay Screen

Figure 3.22. Asset Master Detail Screen

ASSET TRANSFER REPORT

FIXED ASSET NAME

APPROVED REQUEST

BOOK VALUE

USER LOCATION

OLD LOCATION NO.

NEW LOCATION NO.

| ADD | UPDATE | DELETE | CANCEL | PRINT |

Figure 3.23. Asset Transfer Screen

ASSET DEPRECIATION HISTORIES REPORT
FIXED ASSET NAME
YEAR TO DATE
BOOK VALUE
TRANSFER DATE
OLD LOCATION NO.
NEW LOCATION NO.
ADD	UPDATE	DELETE	CANCEL	PRINT

Figure 3.24. Asset Depreciation Histories Screen

Figure 3.25. Deleted Asset Activity Screen

Figure 3.26. Transfer Asset Activity Screen

3.5 Output Reports

Output reports is the printed out reports which are generated from the fixed asset report screen. There are

- F/A Master Report

- F/A New Asset Report

- Book Value Report

- Depreciation Report

- Disposal Report

- Location Report

- Vendor Report

- Asset Master Summary Report

- Asset Master Detail Report

- Asset Transfer Report

- Asset Depreciation Histories Report

- Deleted Asset Activity Report

- Transfer Asset Activity Report

- F/A Approved Rejected Report

- F/A Vendor Details Report

Table 3.1. F/A Asset Report

THAI FARMERS BANK F/A MASTER REPORT				
f/a name	f/a desc	depre_method	userfullife	salage_value
XXXXXXX	XXXXXX	XXXXXXXXXXX	XXX	XXXXXXXXXX
XXXXXXX	XXXXXX	XXXXXXXXXXX	XXX	XXXXXXXXXX
XXXXXXX	XXXXXX	XXXXXXXXXXX	XXX	XXXXXXXXXX
XXXXXXX	XXXXXX	XXXXXXXXXXX	XXX	XXXXXXXXXX
XXXXXXX	XXXXXX	XXXXXXXXXXX	XXX	XXXXXXXXXX
XXXXXXX	XXXXXX	XXXXXXXXXXX	XXX	XXXXXXXXXX
XXXXXXX	XXXXXX	XXXXXXXXXXX	XXX	XXXXXXXXXX
XXXXXXX	XXXXXX	XXXXXXXXXXX	XXX	XXXXXXXXXX
XXXXXXX	XXXXXX	XXXXXXXXXXX	XXX	XXXXXXXXXX
XXXXXXX	XXXXXX	XXXXXXXXXXX	XXX	XXXXXXXXXX
XXXXXXX	XXXXXX	XXXXXXXXXXX	XXX	XXXXXXXXXX
XXXXXXX	XXXXXX	XXXXXXXXXXX	XXX	XXXXXXXXXX
XXXXXXX	XXXXXX	XXXXXXXXXXX	XXX	XXXXXXXXXX
XXXXXXX	XXXXXX	XXXXXXXXXXX	XXX	XXXXXXXXXX
XXXXXXX	XXXXXX	XXXXXXXXXXX	XXX	XXXXXXXXXX
XXXXXXX	XXXXXX	XXXXXXXXXXX	XXX	XXXXXXXXXX
XXXXXXX	XXXXXX	XXXXXXXXXXX	XXX	XXXXXXXXXX
XXXXXXX	XXXXXX	XXXXXXXXXXX	XXX	XXXXXXXXXX
XXXXXXX	XXXXXX	XXXXXXXXXXX	XXX	XXXXXXXXXX
XXXXXXX	XXXXXX	XXXXXXXXXXX	XXX	XXXXXXXXXX
XXXXXXX	XXXXXX	XXXXXXXXXXX	XXX	XXXXXXXXXX
XXXXXXX	XXXXXX	XXXXXXXXXXX	XXX	XXXXXXXXXX
XXXXXXX	XXXXXX	XXXXXXXXXXX	XXX	XXXXXXXXXX
XXXXXXX	XXXXXX	XXXXXXXXXXX	XXX	XXXXXXXXXX
XXXXXXX	XXXXXX	XXXXXXXXXXX	XXX	XXXXXXXXXX
XXXXXXX	XXXXXX	XXXXXXXXXXX	XXX	XXXXXXXXXX
XXXXXXX	XXXXXX	XXXXXXXXXXX	XXX	XXXXXXXXXX

Table 3.2. F/A New Asset Report

		THAI FARMERS BANK F/A NEW ASSET REPORT		
f/a name	f/a desc	acq_price	app_re_no	a/c_no
XXXXXXX	XXXXX	XXXXXXXXXXX	XXX	XXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXX	XXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXX	XXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXX	XXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXX	XXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXX	XXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXX	XXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXX	XXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXX	XXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXX	XXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXX	XXXXXXXXX
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XXXXXXX	XXXXX	XXXXXXXXXXX	XXX	XXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXX	XXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXX	XXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXX	XXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXX	XXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXX	XXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXX	XXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXX	XXXXXXXXX

Table 3.3. Book Value Report

	THAI FARMERS BANK BOOK VALUE REPORT		
f/a name	book_value	depre_date	disposal_date
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
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XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX

Table 3.4. Depreciation Report

THAI FARMERS BANK			
DEPRECIATION REPORT			

f/a_name	book_value	depre_date	depre_expense
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXX
XXXXXXX	XXXXXX	XXXXXXXXXXX	XXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXX
XXXXXXXX	XXXXXX	XXXXXXXXXXX	XXXXXXXXX
XXXXXXXX	XXXXXX	XXXXXXXXXXX	XXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXX
XXXXXXXX	XXXXXX	XXXXXXXXXXXX	XXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXX
XXXXXXXX	XXXXXX	XXXXXXXXXXX	XXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXX

Table 3.5 Disposal Report

f/a name	disposal_date	disposal_value	depre_expense
		THAI FARMERS BANK	
		DISPOSAL REPORT	
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX

Table 3.6. Location Report

THAI FARMERS BANK
LOCATION REPORT

f/a name	user_locaiton_no	user_location_address	a/c_no
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX

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Table 3.7. Vendor Report

THAI FARMERS BANK VENDOR REPORT			
vendor_no	vendor_name	vendor_address	a/c_no
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXXX	XXXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXXX	XXXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX

Table 3.8. Asset Master Summary Report

THAI FARMERS BANK
ASSET MASTER SUMMARY REPORT

f/a name	model	location	acquisition_method
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX

Table 3.9. Asset Master Detail Report

THAI FARMERS BANK ASSET MASTER DETAIL REPORT			
f/a name	book_value	user_location_no	quanlity
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX

Table 3.10. Asset Transfer Report

THAI FARMERS BANK
ASSET TRANSFER REPORT

f/a name	transfer_date	year_to_date	depre_expense
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXX
XXXXXXX	XXXXXX	XXXXXXXXXXX	XXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXX

Table 3.11. Asset Depreciation Histories Report

THAI FARMERS BANK ASSET DEPRECIATION HISTORIES REPORT			
f/a name	book_value	depre_date	depre_expense
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX

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Table 3.12. Deleted Asset Activity Report

THAI FARMERS BANK DELETED ASSET ACTIVITY REPORT			
f/a name	book_value	acquisition_detail	depre_expense
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX

Table 3.13. Transfer Asset Activity Report

THAI FARMERS BANK TRANSFER ASSET ACTIVITY REPORT			
f/a name	book_value	transfer_date	user_location
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX

Table 3.14. F/A Approved Rejected Report

THAI FARMERS BANK F/A APPROVED REJECTED REPORT			
f/a name	f/a desc	price	model
XXXXXXX	XXXXX	XXXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXXX	XXXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXXX	XXXXXXXXXX
XXXXXXX	XXXXX	XXXXXXXXXXXX	XXXXXXXXXX

Table 3.15. F/A Vendor Details Report

THAI FARMERS BANK F/A VENDOR DETAILS REPORT			
f/a name	vendor_no	vendor_namel	quantity
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXX	XXXXX	XXXXXXXXXXX	XXXXXXXXXX

3.6 Proposed System Requirement

The proposed system requirement is considered in 2 parts: Hardware Requirements and Software Requirements.

3.6.1 Hardware Requirement

1. File Server   (1 set)

   CPU   : 100 MHz Pentium 1 processor

   RAM   : 32 MB

   Harddisk : 4 GB

   Drive   : one 1.44 MB

2. Intelligent PC (4 set)

   CPU   : Pentium 100

   RAM   : 32 MB

   Harddisk : 2 MB

   Drive   : one 1.44 MB

   Monitor   : IBM

3. Printer

   Epson LQ 1170i

   24-pin Dot Matrix Printer

4. Network peripheral

   Network : LAN - Ethernet Bus Topology

                        - 1-10 Mbps transmission rate

                        - Distance about 500 metres

            LAN card

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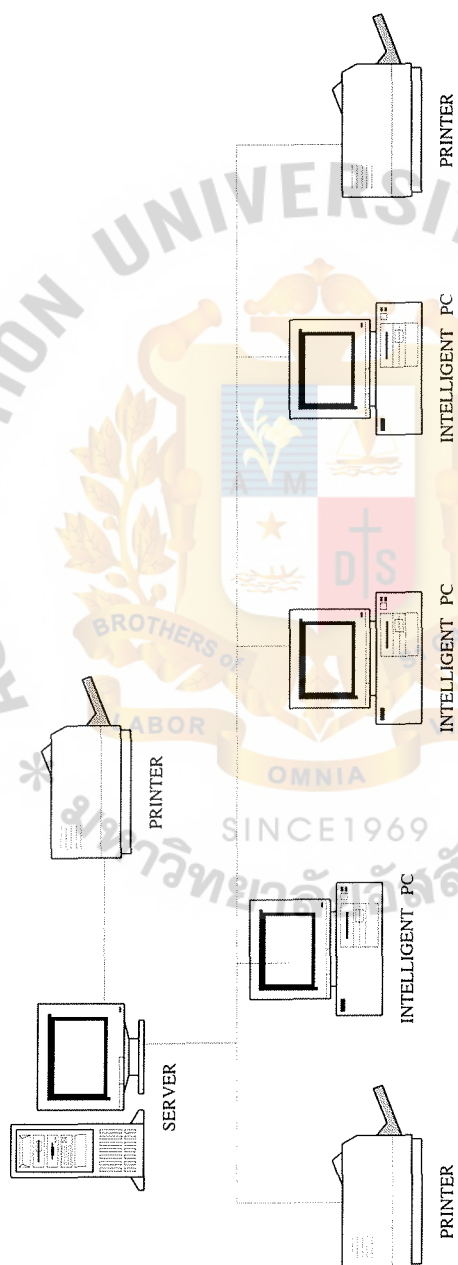
Figure 3.27. The Proposed System Configuration

3.6.2 Software Configuration Requirement

1. Operating System

   Dos Version 6.2

   Microsoft Windows for Workgroup 3.11 (Thai Edition)

   Microsoft LAN Manager

   Window NT Server and Window 95 (Upgrade)

2. System Development Software

   Microsoft Access Version 2.00

   Microsoft Visual Basic Version 3.0

   Visio Version 3.0a

3. Documentation Preparation Software

   Microsoft Word Version 6.0

   Microsoft Excel Version 5.0

3.7 Benefits Analysis

The benefit are divided into tangible and intangible benefits. The proposed system provided several benefits as follows:

The tangible benefits are:

- Elimination of clerical personnel and /or manual operation.

- Elimination of redundancy in recording the data.

- Reduction of the fixed asset costs, for example elimination of obsolete materials.

The intagible benefits are:

- Improve decision process by providing faster access to information.

- Provide better managerial control for the fixed asset section.

- Provide better information for helping manager in decision making.

- Improve the quality of services.

- Improve efficiency and effectiveness of operation for fixed asset section.

3.8 Costs

The costs can be divided into direct an indirect costs. To calculate the proposed system costs, they are classified in three major cost categories;

3.8.1. Annual operating costs

3.8.2. Investment costs

3.8.3 Implementation costs

3.8.1. Annual operation cost

- Clerk (Fixed Asset section only)	84,000.-
- Accounts (Fixed Asset section only	168,000.-
- Continuous paper	
(9" x 11" , 60 boxes @ 500 bahts)	30,000.-
(14" x 11" , 20 boxes @ 600 bahts)	12,000.-
- Ribbon(Refill)	
(Epson LQ-1170i, 25 Boxes @ 70 Bahts)	1,750.-
Total Annual Operation Costs	295,750.-

3.8.2. Investments Costs

- Hardware	285,000.-
- Software	38,000.-
- Software Application Development	45,000.-
- Installation Costs	12,000.-
Total Investment Costs	380,000.-

3.8.3. Implementation Costs

- Program Conversion Cost	15,000.-
- Training Costs	20,000.-
Total Implementation Costs	35,000.-

For the Fixed Asset information System:

Total annual operation costs of the proposed system are	380,000	bahts/year
Total annual operation costs of the existing system are	676,000	bahts/year
Consequently, total saving annual operating costs are	296,000	bahts/year

3.9 Cost /Benefit Analysis

The result of the following financial analysis shows that it is cost justifiable to proceed with the implementation phase. The proposed system has a short payback period and positive net present value.

The details of financial analysis are described as follows :-

Payback Period : is defined as the number of years required to accumulate earrings sufficient to cover its costs.

Using the basic formula for after tax payback of:

Where

P = Payback Period (year)

I = Investment cost or capital expenditure

T = Tax rate (7 %)

R = Annual Saving Realize by investment

$$P = I/(1-T)R$$

$$P = 380,000/(1-0.07)296,000$$

$$\sim 1.38$$

Net-Present-Value Analysis

The benefits for the project are listed, year by year, for the life of the project. As shown, savings do not begin until the second year. The first year is required for system development.

Table 3.16. Project Cost and Benefit

	Year 1	Year 2	Year 3	Year 4	Year 5
Benefit					
30 staffs 10% yearly (Supervisors)	1,655,000	1,740,500	1,824,550	2,307,005	2,787,706
Operator (100,000+ 10% yearly)	100,000	110,000	121,000	133,100	146,410
Utility (10,000 +10% yearlly)	10,000	11,000	12,100	13,310	14,641
Stationary (30,000 +10% yearly)	30,000	33,000	36,300	39,930	43,923
Other expense (5,000+ 10% yearly)	5,000	5,500	6,050	6,655	7,320
Total	1,800,000	1,900,000	2,000,000	2,500,000	3,000,000
Cummulation	1,800,000	3,900,000	5,900,000	8,400,000	11,400,000
Cost 20staffs + 10% yearly	1,428,000	1,546,000	1,604,800	1,263,660	895,026
Hardware (245,100/5 yearly)	358,900	-	-	-	-
Software (53,000/5 yearly)	73,000	-	-	-	-
Other Equipments (100,000 + 10% yearly)	100,000	110,000	121,000	133,100	146,410
Utility (20,000 + 10% yearly)	20,000	22,000	24,200	26,620	29,282
Stationary (20,000 +10% yearly)	20,000	22,000	24,000	26,620	29,282
Total	2,000,000	1,700,000	1,750,000	1,450,000	1,100,000
Cummulation	2,000,000	3,700,000	5,450,000	6,900,000	8,000,000

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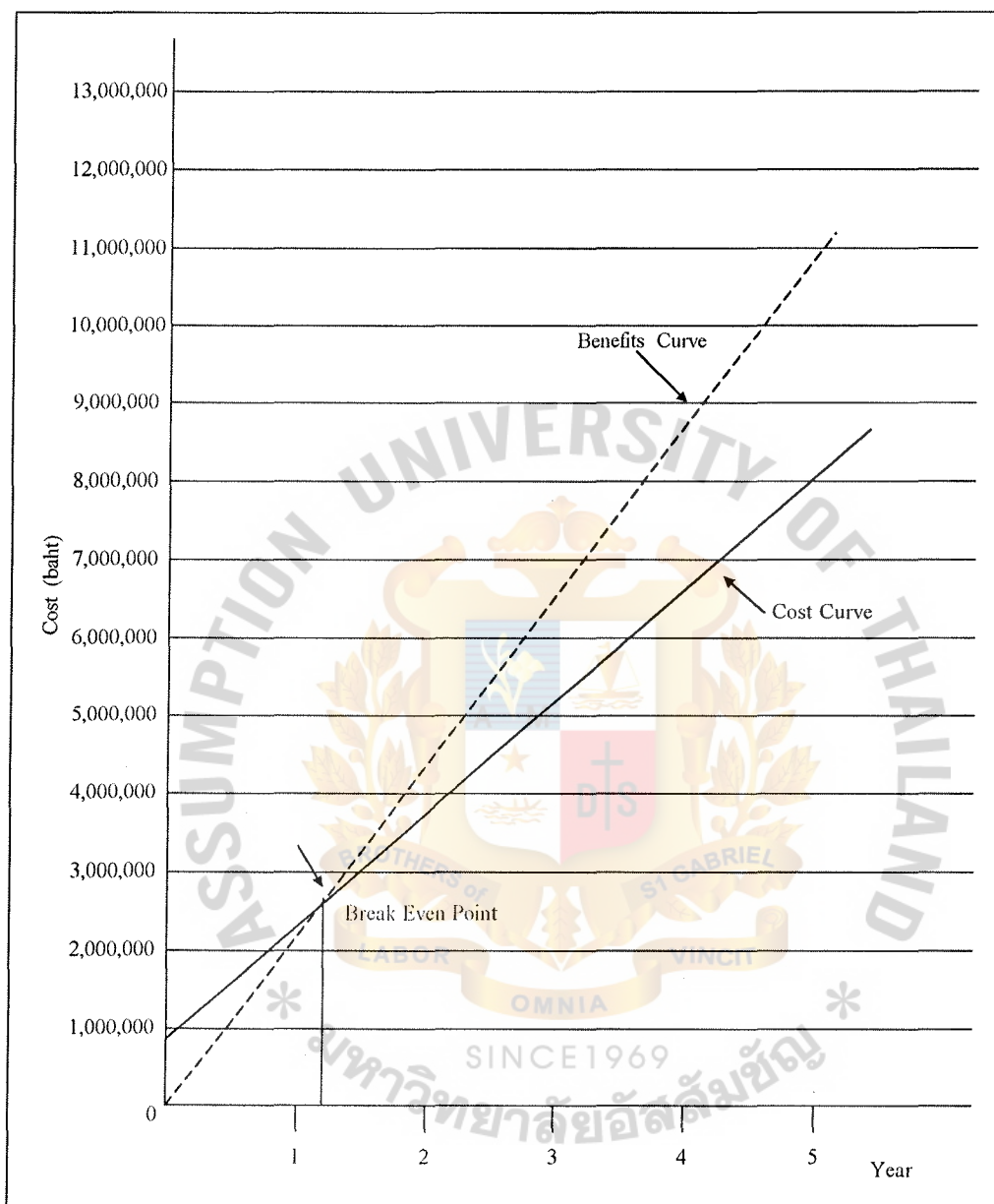
Figure 3.28.   Breakeven Chart

IV. PROJECT SYSTEM DESIGN AND IMPLEMENTATION

4.1 Incremental Implementation:

The implementation is the coding and testing of a system. In the past, this phase of the project was performed in a quite undisciplined way. Usually the code for the system was completely written before any subsystem had been integrated and tested together. The all-too-frequent result of this practice was that a system that seemed absolutely complete would disintegrate in its final testing phase to the horror of its implementors.

The incremental approach to implementation avoids the problem of eleventh-hour disasters in project, since it allows crucial interfaces of a system to be tested early when very little code has been committed to paper. Incremental implementation affords both real and psychological benefits to the implementators project manager, and user alike.

The advantages of incremental implementation are as follows:

1. Important feedback to the users is provided when it is most needed, most useful and most meaningful.

2. Testing resources are distributed more evenly.

3. The project is less likely to be axed if it falls behind schedule.

4. If time is short, coding, testing can begin before the design is finished.

5. Major system interfaces are tested first and more often.

6. Management has a better idea of the rate of progress by counting working modules.

4.2 Testing and Implementation:

4.2.1 Testing

Testing of specific program, subprograms, and total system are

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essential for quality assurance. Testing is done to turn up any existing problems with programs and then interfaces before the system is actually used.

Testing of the proposed system is divided into the following subtasks.

Testing Data

The testing of data ensures that database system will be consistent when the user inputs data.

Program Testing

For this step, the programmer must create both valid and invalid test data and test all possible cases. To create test data, she should test minimum and maximum values possible.

The testing program ensures that all modules will be worked and related among themselves.

System structure configuration for testing will be completed to integrat using "Fixed Asset System".

Testing Objective

The testing objective ensures that the program could be accepted by users that means the operation function is right for their requirements.

User Acceptance Testing

It is the responsibility of the users to make their own data to test the system in order to meet their requirements.

Operation Acceptance Testing

To ensure that the proposed system will have functions in the production environment without adversely affecting the existing system.

<u>System Testing</u>

The entire system is run. The objective of the system testing is to verify that programs meet the original programming specifications and make sure that the entire system functions as a whole , when all the programs are interconnected.

4.2.2 Implementation

The implementation of the proposed system uses a practical installation. The followings are the implementation process for the proposed system.

<u>Training users and related staffs</u>

- It is an important part of the implementation, since personnel must be able to run the system without the intervention of the system analysis. It explains how to use the application program with user manual and train the operational users to fill the forms and key data into the screen.The new system for training is devided into 3 parts in the project training plan as follows:

    - Computer Literacy

      To provide computer knowledge and familiarity with the installed system.

      <u>Participants</u>   General staff

      <u>Topic</u>   Introduction to computer

      <u>Duration</u>   2 days

    - Operation Procedure

      To train the operation staff on the computerized job procedure of the order software.

      <u>Participants</u>   The operation staff

      <u>Topic</u>   Operation procedure of order software

      <u>Duration</u>   7 days

    - Order Software Overviews

Participants	Management
Topic	Overview of new system
Duration	1 day

Writing procedures

- It explains about what is to be done, who is responsible for handling it, who is supposed to do it, and how it will be done.

Period back-up

- Periodic back-up schedule is prepared for recovery of data after the system fails.

V. CONCLUSIONS AND RECOMMENDATIONS

5.1 Conclusions

The purpose of this system development project is to analyze, design and implement the "Fixed Asset Information System "for a part of Thai Farmers Bank.Despite the high cost of develop, the computer information system can provide " full benefit" for operation and base for decision making for management . Reduction in personnel , salary and overtime expenses information should be accurate and readily accessible. The operational functions will be smoother.

In the existing system, the main tasks are performed by user. There is so much data redundancy and it is also time consuming. Besides , the necessary information such as the acquisition information does not exist in this current system. So when the users require that information, they must inquire it from the purchase department and other sections of the accounting department. Consequently, the proposed system is designed to solve the existing problems.

The proposed system can reduce the manpower and operation cost.It increases the efficiency for internal operations and also meets the users requirements. Hence, the proposed report design is convenient for the staff to generate report from the nice user interface and can select the range of number to generate the required reports, and also for the main task of this system which is depreciation calculation. This processing has more flexibility and has several methods to calculate the depreciation.

However, standard should be taken into consideration during system testing. Every computer application in this organization must be based on the same standard in order to be compatible with each other. Furthermore , it is possible for users who specialize in one application program to study another application program them with no difficulty. For input design, screen design, dataflow diagram

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and several reports are included in this proposed project.Programs are codes in VISUAL BASIC (Version 3.0) which can create the nice application on the user interface and also are more useful in the screen design phase. The network is LAN that has facilities appropriate for use such as easy to adapt or connect to other system facilities as well providing security and control , and so on. Only the authorized user ID. can access the system which is protected by the user's password.

This project is intended to provide a better solution to the problem by applying a computer system to store the data.

The computerized system will help to give solution to the problems in the existing system

The proposed system is more flexible and suitable for the new requirement , easier to use, gives high performance to handle many transactions , enables support to the needed management information, and enables it to complete effectively in an environment where competition becomes increasingly sever.

5.2 Recommendations

The proposed system can help to improve the internal operations in the Fixed Asset Information System because it can get rid of some tedious tasks such as depreciation calculation, etc. The proposed system is not only to reduce some tedious tasks, it also increases the efficiency and effectiveness of the internal operations for the Accounting Department. The staffs can use PC to perform the processes accurately.

The computerized system will provide reliable information and more security in other systems.

The users have been trained to use the software package and may later study the user manual by themselves. The users may be classified at three levels which are supervisor, database adminstrators and users.

The scope of the system includes recording all approved requests, recording the information about fixed asset acquisition , recording the detail information of fixed asset, calculating depreciation, recording fixed asset activities,and generating the required reports. This project's scope may be developed to be automatic in some tasks such as journal posting.When the user generates depreciation calculation and would like to record it to the general journal, click the button to " posting" . All transactions are posted to the general journal automatically. For the other point, Depreciation calculation may be authomatically calcuated for the desired fixed asset numbers.

But for this proposed system, some automatic tasks cannot be included in the system because the users are required to manually post them for the reason that some journal posting must be checked before the posting.

In future expansion, the associated parts of this system such as Purchasing Department should be authomated to support that operation and also support Fixed Asset Information System to receive the required information more effectively. The other proposed system that must be automated is General Ledger to support the journal posting of Fixed Asset Information System.

About the cost and benefit analysis, this proposed system uses the payback period to evaluate the cost. Fixed Asset Information System has the payback period within 1.38 year, thus it responds to the minimum payback period for the projects to be undertaken within the company policy.

The memory is expanded to improve the performance of the system. The new Fixed Asset Information is an online system. It has allocated memory space for the online processing. If the system has more users using it , it needs expanded memory.

The computerized system enables top management to make effective decisions in an environment where competition becomes increasingly severe.

The Local Area Network (LAN) is recommended as the users can share database and work at the same time. The new Fixed Asset Information needs to have LAN administrator handle and support the technical network communication problems.

Make sure that the operation system "Window NT Server" and "Window 95" can solve the " Year 2000" problems This is the most important problem that is to be considered.

APPENDIX A

PROCESS SPECIFICATION

Process 1.1 Get & Verify request

Precondition

     User requests are received and are verified.

Postcondition

     Verified user requests are produced.

Process 1.2 Inquire approve request

Precondition 1

     Input verified user requests occur.

Postcondition 1

     Verified user requests are checked for approval.

Precondition 2

     Approved user requests and rejected user requests are received.

Postcondition 2

     Approved user requests are transferred for recording.

Process 1.3 Record approved request

Precondition

     Approved user requests are recorded.

Postcondition

     Approved request transactions are produced.

     Approved user requests are transferred.

Process 1.4 Handout approved request

Precondition

     Approved user requests are received

Postcondition

Hand out disposal and transfer requests to PROCESS FIXED ASSET

ACTIVITY process.

Process 1.5 Match acquisition documents

Precondition

Copies of purchase order, copies of receiving report, and copies of invoice

are received.

Postcondition

Input of purchase order,copies of receiving report, and copies of invoice

are received

Postcondition

Input documents are matched against others and new f/a information

is produced.

Process 2.1 Record new F/A

BEGIN
    REPEAT

        SET new f/a information

        SET new f/a transaction = f/a new + f/a detail + acquired document

number + acquired date + approved request number

            new f/a transfer transaction = f/a name + book value +insurance

number + user location

            new book value transaction = f/a name + book value

        WRITE new f/a transaction to New F/A

            new f/a master transaction to F/A Master

            new book value transaction to Book Value

UNTIL   the last new transaction

Process 2.2 Generate report

BEGIN

    CASE SELECT new f/a report in Report menu

        DO WHILE   there are more inquired new f/a numbers in new f/a

           READ next inquired new f/a number

        END DO

        DISPLAY new f/a report

        PRINT   new f/a report

    OTHERWISE SELECT acquisited report in Report menu

    DISPLAY acquisited Report

    PRINT acquisited Report

END

Process 3.1.1 Check disposal category

Precondition

    Approved disposal requests are received

Postcondition

    Approved disposal requests are checked and classified into disposal on sales category requests, disposal on trading categery requests, disposal on expiration request.

Process 3.1.2 Get depreciation

Precondition

    Input disposal number from the request

Postcondition

    Disposal number are transfered for depreciation calculation get depreciation expenses

Process 3.3.1 Check transfer location

INPUT approved transfer requests

BEGIN

    REPEAT

        GET   transferred number

        FIND   user location records in User Location with transferred number

matching number in User Location

            READ next user location record

      IF record cannot be founded

            THEN user location response = "No such user location in User

            Locatioin, Please update first"

            DISPLAY user location response

            ELSE DISPLAY user location records

            APPEND user location records (new location records)

      END IF

    END REAEAT

Process 3.3.2 Record transfer data

INPUT approved transfer requests

BEGIN

    REPEAT

        GET old location data , new location data

        SET transfer transaction = f/a name + approved request + user location

        WRITE transfer transaction

        DISPLAY tranfer transaction

END REPEAT

END

Process 3.2.1 Get maintain master data

INPUT   disposal   completed disposal process information from DISPLAY

POSTING   process   transfer   completed transfer process information from

RECORD TRANSFER DATA process

BEGIN

GET disposal completed dispolsal process information, transfer

DO WHILE there are more f/a master records in F/A Master with matching

f/a master and transfer number matching f/a master number in current

f/a master records

READ next such f/a master

END DO

APPEND f/a master data , disposal number , transfer number to   CHECK

AGAINST TRANSACTION process

Process 3.2.2 Check against transaction

INPUT f/a master data, disposal number , transfer number

BEGIN

DO WHILE there are more disposal data in Disposal with   disposal numbers

READ next such disposal data

ENDDO

APPEND disposal data

DO WHILE there are more transfer data in Transfer with transfer number

Read next such transfer data

END DO

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APPEND transfer data

SET disposal f/a master data = f/a master data that matches with

disposal number transfer f/a master data = f/a master data that matches

with transfer number

IF f/a master number = disposal number

f/a master number = transfer number

THEN DISPLAY f/a master data

ELSE DISPLAY instruction = " No matched disposal number with number of

f/a master data"

ENDIF

END

Process 3.2.3 Update master data

INPUT disposal f/a master data

BEGIN

IF GET disposal f/a master data

THEN DELETE f/a master data in F/A master

ELSE GET transfer f/a master data and update transfer location of

f/a master data in F/A master

END IF

END

Process 4.1 Generate new insurance

INPUT new f/a information, expired insurance

Precondition 1

new f/a information is sended to selected INSURANCE VENDOR

and request for new insurance contracts are sended to to delected

INSURANCE VENDOR

Postcondition 1

new sinsurance are received form VENDOR

Precondition 2

new insurance are authorized by MANAGEMENT

Postcondition 2

Approved/Rejected new insurance are received

Precondition 3

approved new insurance are sended to VENDOR

Postcondition 3

new insurance documents are received

OUTPUT new insurance documents

Process 4.2 Record new insurance

INPUT new insurance documents

BEGIN

GET new insurance data from new insurance documents

SET new insurance transaction = insurance number + insurance vendor **name**

+ vendor number

WRITE new insurance transaction to insurance

DISPLAY new insurance transactions

END

Process 5.1 Receive closing request

Precondition

    accounting closing request received from ACCOUNTING DEPARTMENT

Postcondition

    accounting period is produced from accounting closing request

Process 5.2.2 Calculate depreciation expense

INPUT retrieved d/p data, retrived f/a master data, accounting period

BEGIN

    SELECT required depreciation method by using retrieved f/a master data

    DO CASE

    CASE depreciation method = " Straight-Line Depreciation

        SET depriciation expense = Acquisition cost - Residual Value

                            Years of useful life

    CASE depreciation method = "Depreciation Based on Units"

        SET depreciation expense = Acquisition cost -Residual value

                          Units of service or production

    ENDCASE

END

Process 5.4 Generate report

INPUT f/a master transaction, depreciation transaction

BEGIN

    DO WHILE there are more f/a master transactions, depreciation transactions

        in f/a master

    READ next such f/a master transaction, depreciation transaction

    END DO

DISPLAY   f/a master transactions or depreciation transactions

PRINT   f/a master transactions or depreciation transactions

END

APPENDIX B

FILE DESIGN

Table B.1. Newacquire

Columns		
Name	Type	Size
f/a_name	Text	50
acq_method	Text	8
acq_doc_no	Text	8
acq_doc_name	Text	50

Table B.2. Newasset

Columns		
Name	Type	Size
asset_id	Text	8
f/a_name	Text	50
acq_date	Date/Time	8
acq_price	Currency	8
app_re_no	Number (Double)	8
a/c_no	Number (Double)	8

Table B.3. Transaction

Columns		
Name	Type	Size
f/a_name	Text	50
tran_date	Date/Time	8
old_user_location	Text	50
new_user_location	Text	50
tran_time	Date/Time	8
appr_re_no	Number (Double)	8

Table B.4. Vendor

| Columns | | |
Name	Type	Size
vendor_no	Text	8
vendor_name	Text	50
vendor_address	Text	50
vendor_tele	Text	8

Table B.5. Disposal

| Columns | | |
Name	Type	Size
f/a_name	Text	50
disposal_date	Text	8
disposal_value	Text	8

Table B.6. Expense

| Columns | | |
Name	Type	Size
insur_no	Text	8
insur_expense	Currency	8
insur_pre_expense	Currency	8

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Table B.7. Insurance

Columns		
Name	Type	Size
insur_no	Text	8
insur_start_date	Date/Time	8
insur_exp_date	Date/Time	8

Table B.8. Location

Columns		
Name	Type	Size
user_location_no	Text	8
user_location_address	Text	50
user_location_tele	Text	8

Table B.9. Master

Columns		
Name	Type	Size
f/a_name	Text	50
f/a_des	Text	50
depre_method	Text	8
userfullife_value	Text	8
salvage_value	Currency	15
user_location	Text	50
insur_no	Text	8

Table B.10. Method

Columns		
Name	Type	Size
depre_method	Text	50
depre_method_name	Text	50
salvage_value	Currency	15

Table B.11. Approved

Columns		
Name	Type	Size
approved_no	Text	8
approve_type	Text	50
request_date	Text	8
approved_descript	Text	50
user_location	Text	50

Table B.12. Bookvalue

Columns		
Name	Type	Size
f/a_name	Text	50
book_value	Number(Double)	8
depre_date	Date/Time	8
disposal_date	Date/Time	8
disposal_date	Text	8

Table B.13. Category

Columns		
Name	Type	Size
disposal_type	Text	50
disposal_type_name	Text	50

Table B.14. Depreciation

Columns		
Name	Type	Size
f/a_name	Text	50
depre_date	Date/Time	8
depre_expense	Currency	8
accum_depre	Currency	8
disposal_date	Date/Time	8

APPENDIX C

INPUT FORM

Table C.1. Acquisition Rquest Form

THAI FARMER BANK		
ACQUISTION REQUEST	DATE	
	REQUEST NO	

USER LOCATION DETAILS

    NAME   _____

    ADDRESS _____

    MANAGER _____

ACQUEST CATEGORY

        NEW   PURCHASE

REASON _____

_____

ASSET ACQUISITION DETAILS

    NAME   _____

    MODEL NO _____

    QUANTITY _____

VENDOR DETAILS

    NAME   _____

    ADDRESS _____

    TEL   _____

    FAX   _____

AUTHORIZE RESULTS

    APPROVED   REJECTED

APPROVED BY

    1 _____DATE_____

    2 _____DATE_____

    3 _____DATE_____

    4 _____DATE_____

PREPARED BY _____

OFFICER RESPONSE_____

Table C.2.   Disposal Request Form

THAI FARMERS BANK	

DISPOSAL   REQUEST   DATE [   ]

REQUEST NO [   ]

USER LOCATION DETAILS

     NAME _____

     ADDRESS _____

     MANAGER _____

DISPOSAL CATEGORY

    SALE EXPIRE

REASON _____

_____

ASSET DISPOSAL DETAILS

    NAME _____

    MODEL NO _____

    QUANTITY _____

AUTHORIZE RESULTS

  APPROVED   REJECTED

APPROVED BY

  1 _____DATE_____

  2 _____DATE_____

  3 _____DATE_____

  4 _____DATE_____

PREPARED BY _____

OFFICER RESPONSE_____

Table C.3. Transfer Request Form

	THAI FARMERS BANK		
TRANSFER REQUEST	DATE		
	REQUEST NO		

USER LOCATION DETAILS

NAME _____

ADDRESS _____

MANAGER _____

TRANSFER LOCATION

LOCATION NAME _____

LOCATION ADDRESS _____

REASON _____

_____

ASSET TRANSFER DETAILS

NAME _____

MODEL NO _____

QUANTITY _____

AUTHORIZE RESULTS

APPROVED   REJECTED

APPROVED BY

1 _____DATE_____

2 _____DATE_____

3 _____DATE_____

4 _____DATE_____

PREPARED BY _____

OFFICER RESPONSE_____

Table C.4. Copy of Receiving Report

RECEIVED REPORT	ISSUE DATE _____ NO_____

THAI FARMER BANK	

USER LOCATION INFORMATION	
USER LOCATION NAME	
USER LOCATION ADDRESS	
MANAGER	

FIXED ASSET RECEIVING INFORMATION	

FIXED ASSET NAME	
RECEIVED DATE	
RECEIVED UNIT	
INSTALLATION DATE	
START USE DATE	
VENDOR NAME	
PURCHASE ORDER NO.	
INVOICE NO.	
USERFUL LIFE YEAR	
PRICE/UNIT	

RECEIVED AUTHORIZATION	

RECEIVED BY	
AUTHORIZED BY	
AUTHORIZED DATE	

Table C.5. Acceptance/Rejected Report Form

THAI FARMERS BANK	
ACCEPTANCE / REJECTED REPORT	ISSUE DATE _____ NO_____
USER LOCATION INFORMATION	

USER LOCATION INFORMATION	
USER LOCATION NAME	
USER LOCATION ADDRESS	
MANAGER	

FIXED ASSET ACCEPTANCE
    RESULT

FIXED ASSET NAME	
FIXED ASSET DESCRIPTION	
PRICE/UNIT	

OPERATION RESULTS

ACCEPTED BY	
REJECTED BY	
AUTHORIZED DATE	
REJECTED REASONS	
DATE	

APPENDIX   D

SYMBOL

Symbol

BL	=	Branch Ledge
FICS	=	Financial Information Control System
F/A	=	Fixed Asset
G/L	=	General Ledger
IC	=	Inventory Control
PO	=	Purchase Order
RC	=	Reconcile

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