



Practical Development of Information System in Business Context:
Billing System Ad Maker Restaurant Co., Ltd.

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Submitted in Partial Fulfillment
of the Course BC4500 280 Hour Training Program
Bachelor's Degree of Business Administration
in Business Computer Program
Assumption University

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Project Name: Practical Development of Information System in Business Context:
Billing System Ad Maker Restaurant Co., Ltd.

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The Department of Business Computer, ABAC School of Management has approved the aforementioned student's BC 4500 280-Hour Training Project, which includes complete documentation and program as a partial fulfillment of the requirements for the Bachelor's Degree of Business Administration in Business Computer

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July 2002

**Practical Development of Information System in Business Context:
Billing System Ad Maker Restaurant Co., Ltd.**

Advisor A. Krisee Vipulakom



280-HOUR TRAINING PROGRAM WRITE-UP

Prepared by
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I. INTRODUCTION

1.1 Background of the Organization

1. Profile

Ad Maker Restaurant was established in 1985 as provider about food and beverage, and show mini concert to customer. The company also provides food and beverage services.

Since the company was established around 16 years ago, it has only few competitors in the same province (Pathumwan) such as Krua Lang Suan ,Wanalee Earth Kitchen ,Labanan. At present, the company's competitors are increasing around 7-8 restaurant. This is the reason why the company business processes need to be more efficient in order to gain competitive advantages.

The company has about 20 workers and it is operating the whole process in the company manually.

2. Location

The company is situated at 51 Soi Langsuan Proenchit road Pathumwan Bangkok 11000.

3. Structure

There are 3 main departments in the company. The billing system, the system to be developed is under the General Department. The following figures show the company's organization chart and department chart.

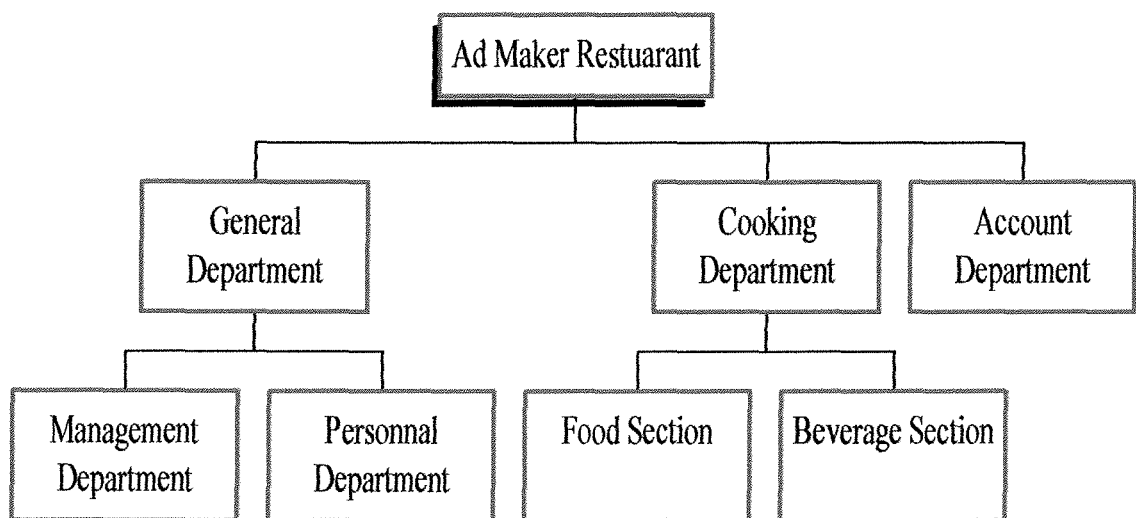


Figure 1.1. Organization Chart

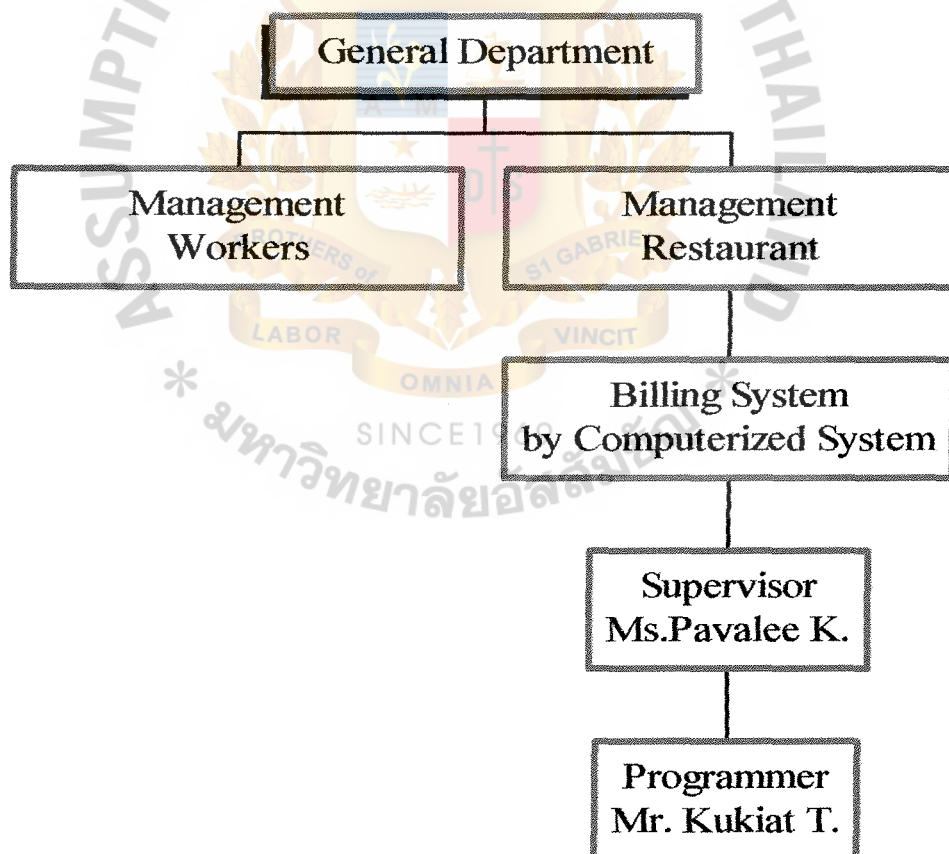


Figure 1.2. Department Chart

1.2 Objectives of the System

The objectives of this project are as follows:

- (1) To study the existing system for the understanding on the current operation.
- (2) To analyze the cause of problems of the existing system.
- (3) To define user requirements that will support and solve current problems.
- (4) To improve tasks performance by reducing operational time and eliminating errors.
- (5) To make systematic documentation for future reference.
- (6) To implement the system in the real working context.

1.3 Scope of the System

The followings are the scopes of the proposed systems:

- (1) To collect member, food & beverage, and bill information in database.
- (2) To update or edit member, food & beverage and order taking form.
- (3) To delete member, food & beverage information from database.
- (4) To cancel order when customer would like to cancel.
- (5) To calculate the total of price that customer order items.
- (6) To generate tailored and necessary transaction and management report (such as Bill, Income Report, Member Report, and Menu).

1.4 Project Plan

The tentative plan for this project: “Billing System for Ad Maker Restaurant.” is exhibited in Figure 1.3.

No.	Task Name	February				March				April				May			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
	I. Analysis of the Existing System																
1	Study the Existing System																
2	Identify the Existing Problems																
3	Existing Context Diagram																
4	Existing Data Flow Diagram																
	II. Preliminary Investigation																
5	Define the objectives and scope																
6	Hardware Requirements																
7	Software Requirements																
	III. Analysis and Design of the Proposed System																
8	Entity-Relationship Diagram																
9	Database Design																
10	Data Flow Diagram																
11	Functional Description																
12	Interface Design																
13	Report Design																
	IV. Implementation of the Proposed System																
14	Coding																
15	Testing																
16	Documentation																

Figure 1.3 Project Plan for Ad Maker Billing System

II. THE EXISTING SYSTEM

2.1 Background of Existing System

Currently, the information system of the company is operated manually. Each department collects its own information. All information are paper-based and filed in cabinets.

The Billing System of the company controls income that company gain in each day. When customer orders food and beverage, the waiter manually writes the order and the quantity of items in order form. When customer want to check bill, a waiter go to cashier in order to calculate the total of items that customer should pay. Then, the cashier collected is manually added to the billing document.

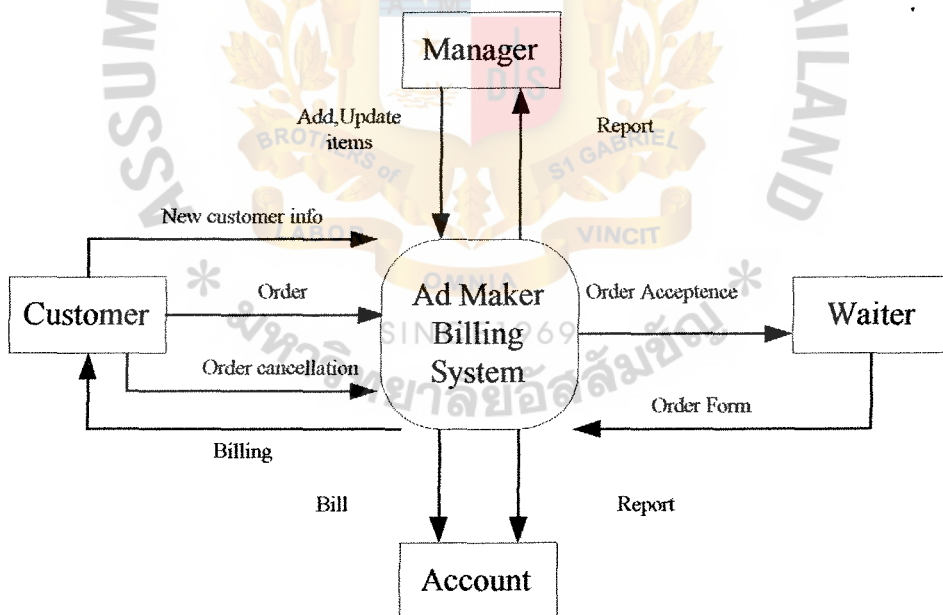


Figure 2.1. Context Diagram of Existing System

2.2 Problem Definition

(1) Order Taking Form

When the waiter receives order from customers, he may lose order form. For example, waiter does order form lose between he is sending to cooking department or cashier. Waiter writes order incorrectly. It can occur duplicated order inaccurate total cost.

(2) Lack of Accuracy in Calculation

The process of calculation food and beverage is done manually, so errors can occur at any time. For example, when many customers want to check bill, it makes cashier confuse and calculate the total of items wrong.

(3) High time Processing

Each processing use a lot of time to manage for example, waiter use a lot of time to send order to kitchen so it occurs customer wait long time. It makes increase unnecessary cost.

(4) Lose of Report Information

The whole system is manually. It uses paper to collect reports and it did not copy reports. It can occur losing report. Suppose that, cashier lose bill. When manager would like to see report, cashier cannot show report correctly.

III. THE PROPOSED SYSTEM

3.1 System Specification

(1) Hardware Requirements

HAREWARE	SPECIFICATION
CPU	Intel Pentium III 700 MHz
RAM	128 MB
Hard disk	20 GB.

Table 3.1. Hardware Requirements

The reason that I suggest CPU Intel Pentium III 700 MHz is Intel Pentium III has high efficiency, which support software business. It is suitable for the work of the company, which require consistency and accuracy, although it has higher price when compare with others. In part of RAM, I would like to suggest using 128 MB because this speed is smoothly and rapidly for working and the price is reasonable. For hard disk, I recommend that the company use capacity 20 GB because it is reasonable price when compare with smaller size. It is middle size of Hard Disk that provides enough space for collecting all information for small business.

(2) Software Requirements

SOFTWARE	SPECIFICATION
Operating System	Microsoft Windows ME
Application	1. Microsoft Office 2000 2. Visual Basic 6.0 3. McAfee Anti Virus

Table 3.2. Software Requirements

For operating system, I suggest to use Microsoft Windows ME because It provide many facilities to user and easy to upgrade in the future. In application I suggest that the company use Microsoft Office 2000, Visual Basic 6.0 and McAfee Anti Virus because Microsoft Office is the latest version that have many functions can be advantage to user. In Visual Basic 6.0, It is easy of use with many facilities to support programmer such as facilitate the programmer to present the report by crystal report and support to deal with many database such as Ms Access 2000 or Oracle. I suggest that using McAfee Anti Virus in order to check software that has virus or not.

3.1 System Design

(1) Data Flow Diagram

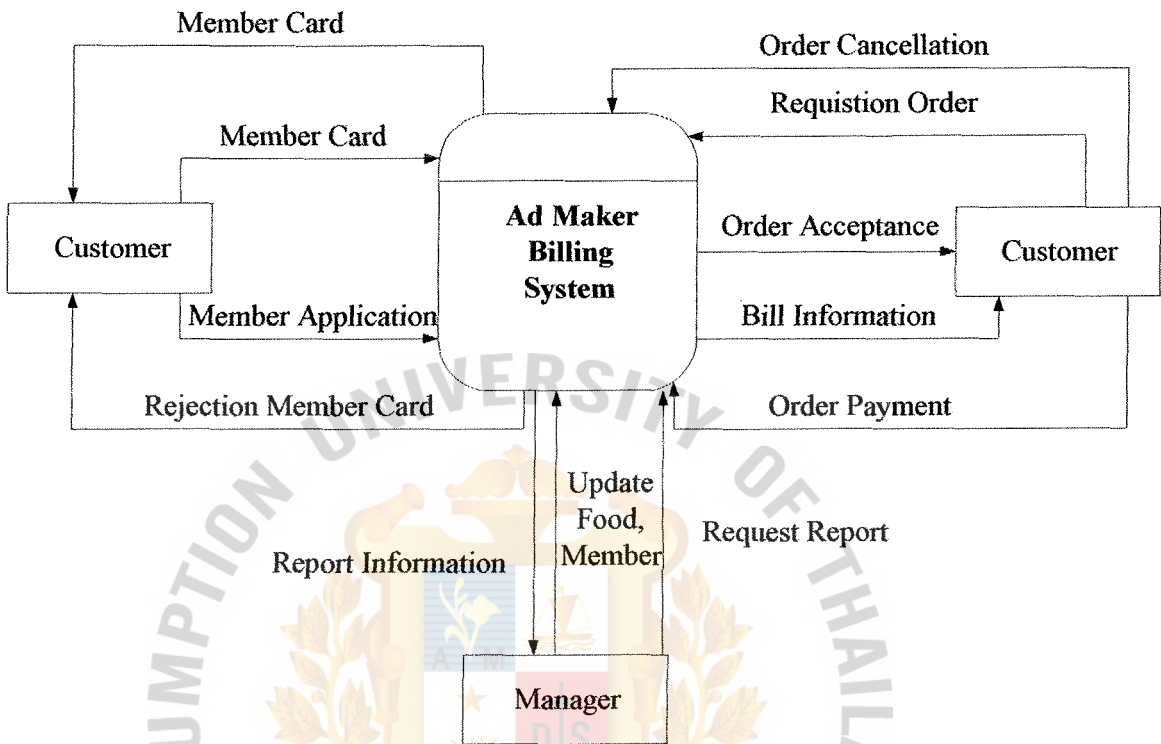


Figure 3.1. Context Diagram

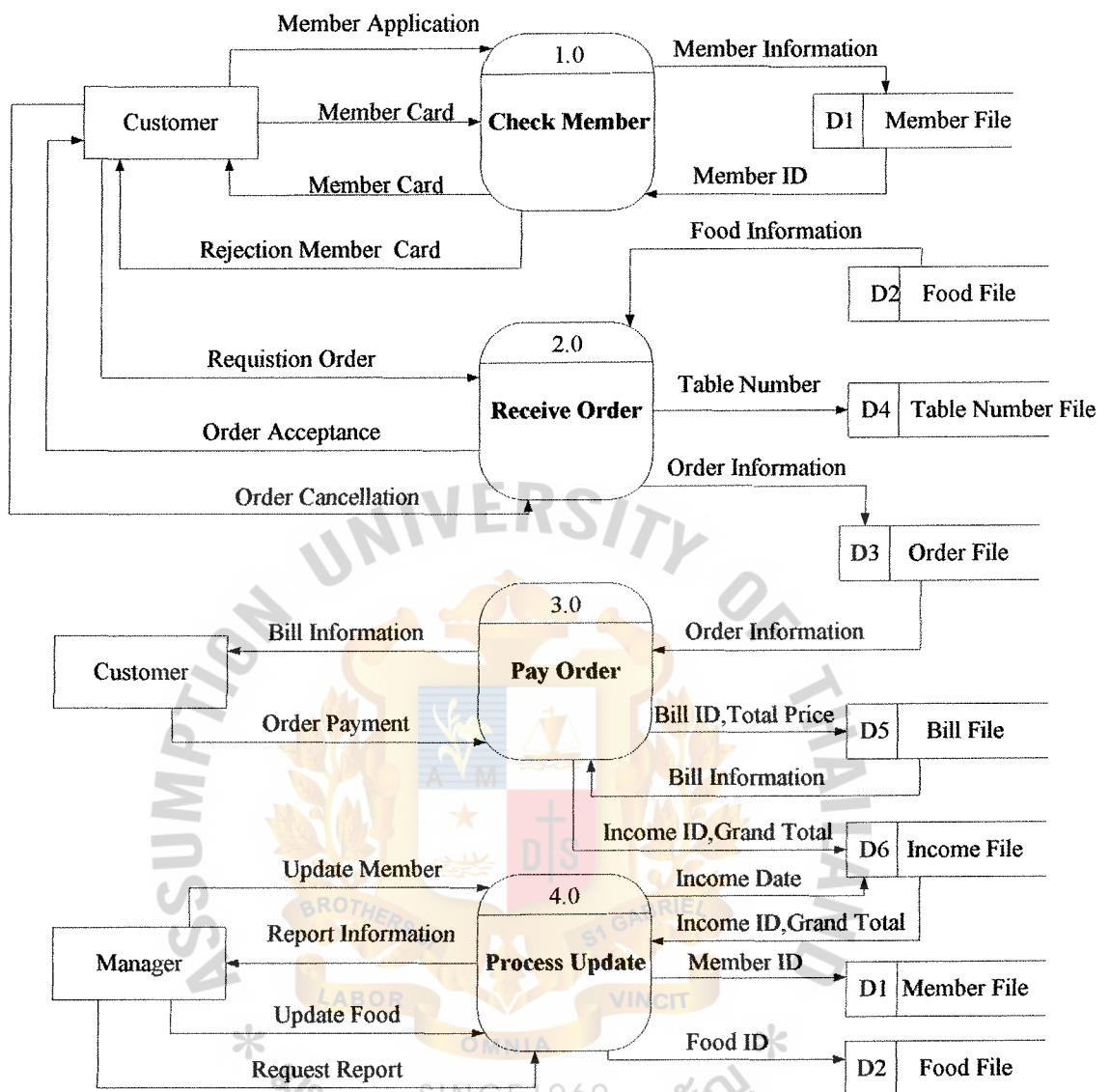


Figure 3.2. Data Flow Diagram – Level 0

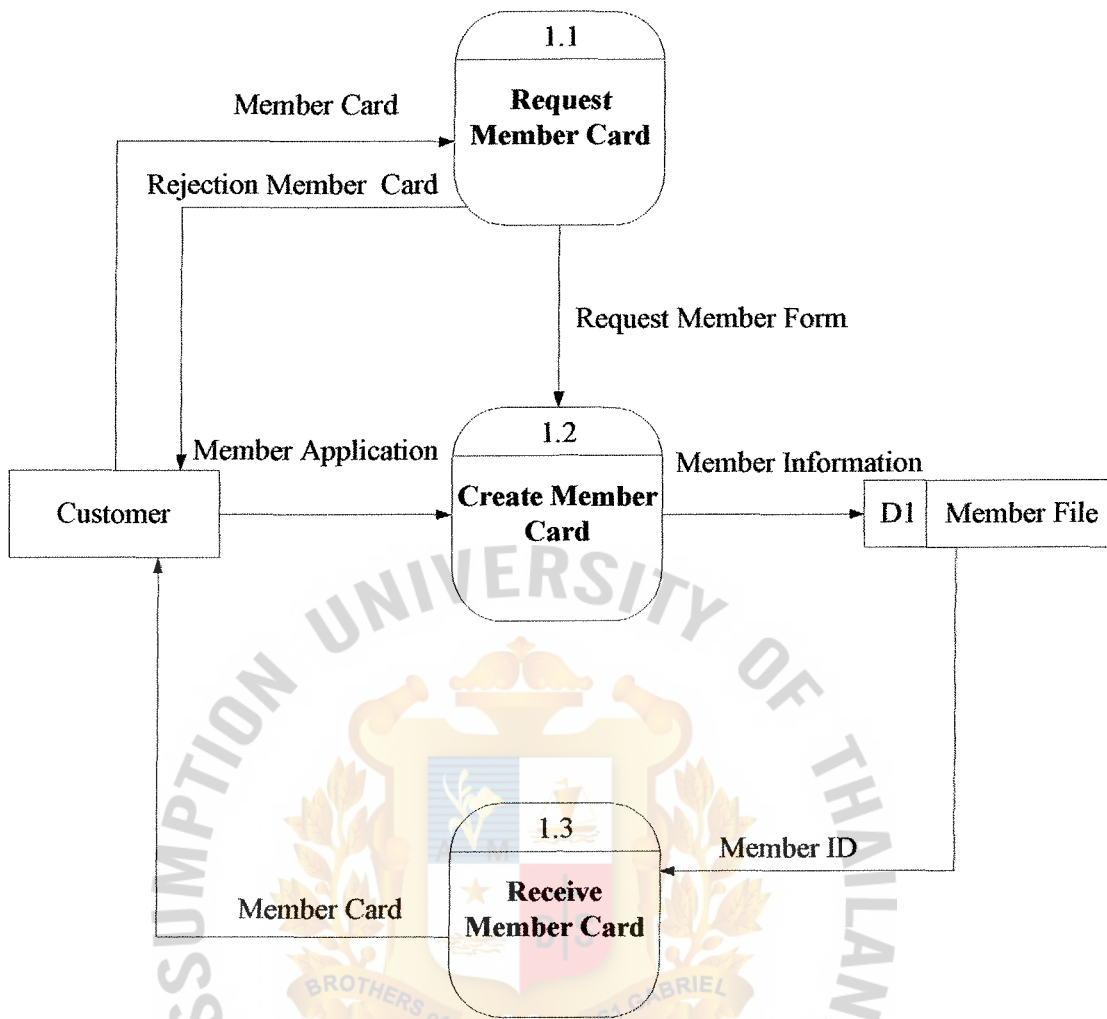


Figure 3.3. Data Flow Diagram – Level 1 Process 1

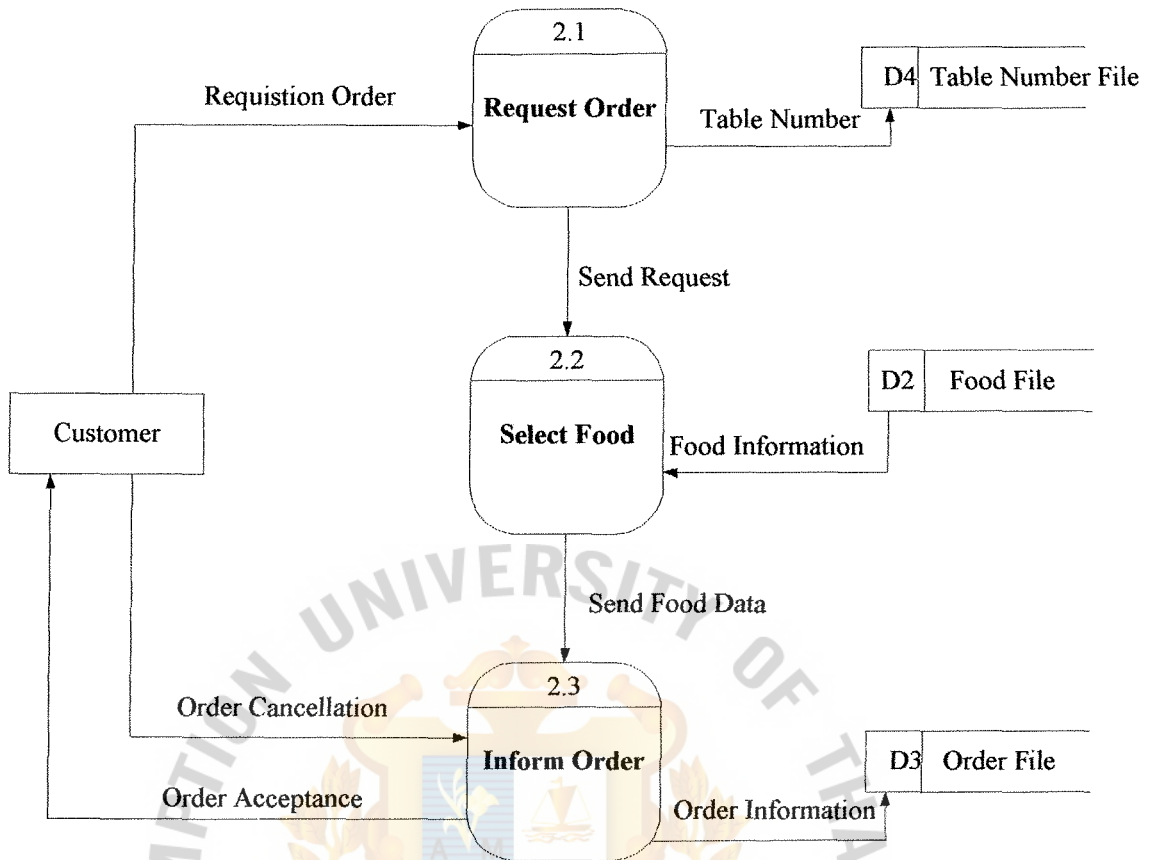


Figure 3.4. Data Flow Diagram – Level 1 Process 2

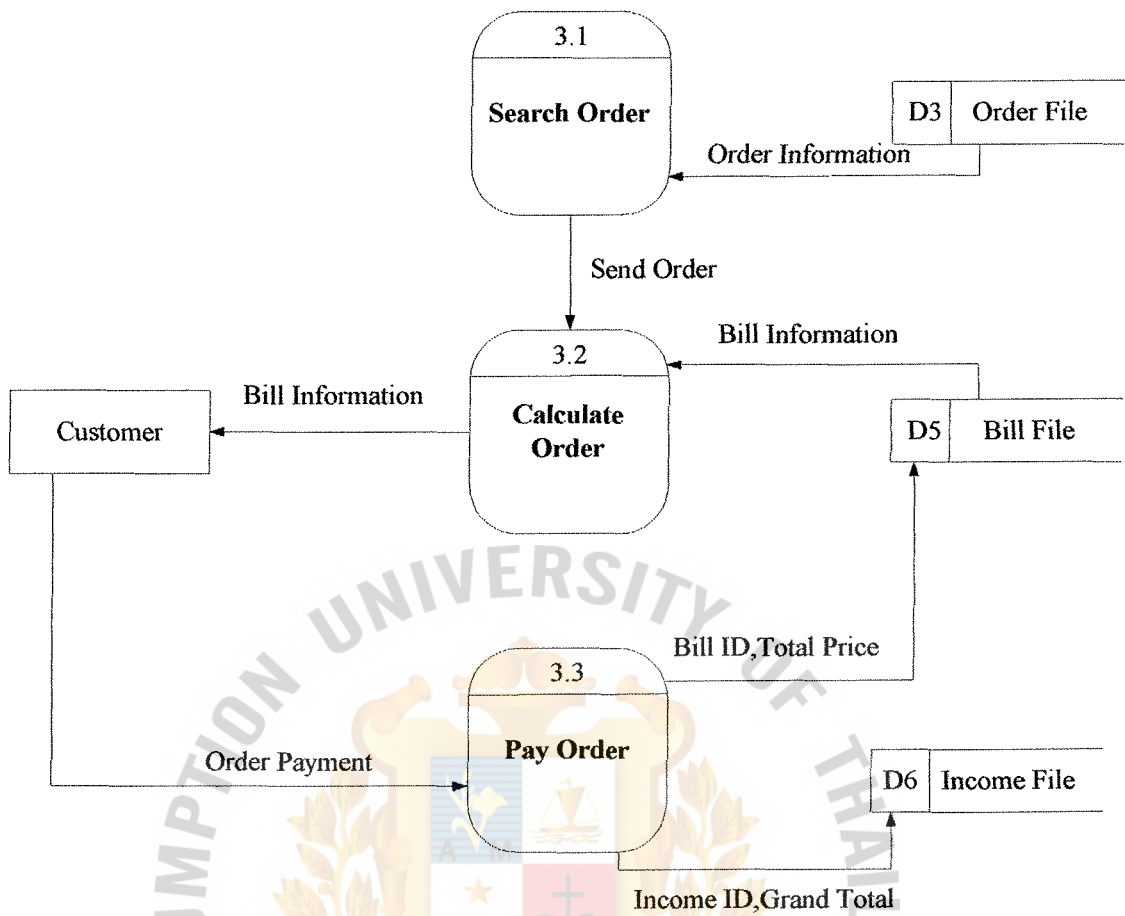


Figure 3.5. Data Flow Diagram – Level Process 3

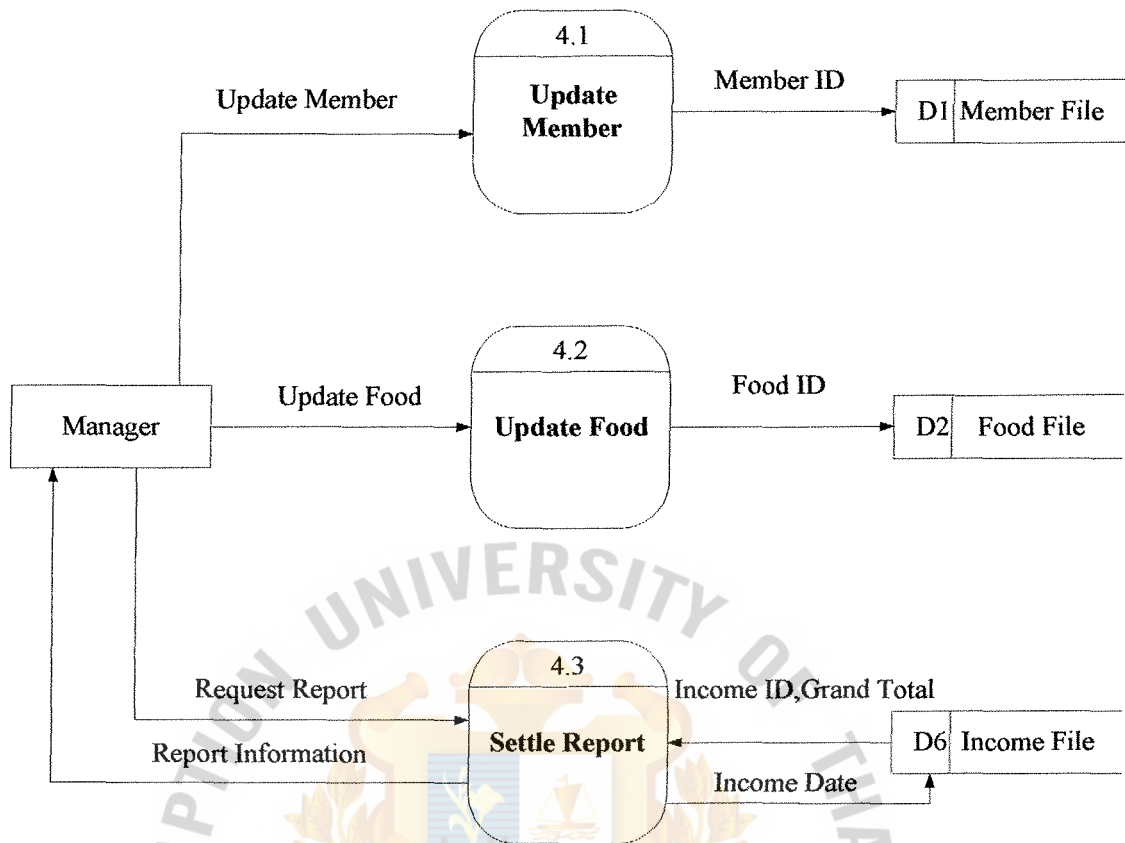


Figure 3.6. Data Flow Diagram Level 1 – Process 4

(2) Process Specification

Process Name:	Check Member
Data In:	(1) Customer Information (2) Member Card (3) Member Data
Data Out:	(1) Member Card (2) New Customer Information (3) Rejection Member Card
Process:	(1) Get necessary customer data and assign new customer id (2) Check member card that is expired or not (3) Create new member card to customer
Attachment:	(1) Customer (2) Data Store D1

* Table 3.3. Process Specification for Process 1.0

Process Name:	Request Member Card
Data In:	(1) Member Card
Data Out:	(1) Rejection Member Card
Process:	(1) Check member card that is expired or not
Attachment:	(1) Customer

Table 3.4. Process Specification for Process 1.1

Process Name:	Create member Card
Data In:	(1) Customer Information
Data Out:	(1) New Customer Information
Process:	(1) Get necessary customer data and assign new customer id
Attachment:	(1) Customer (2) Data Store D1

Table 3.5. Process Specification for Process 1.2

Process Name:	Receive Member Card
Data In:	(1) Member Data
Data Out:	(1) Member Card
Process:	(1) Create new member card to customer
Attachment:	(1) Customer (2) Data Store D1

Table 3.6. Process Specification for Process 1.3

Process Name:	Receive Order
Data In:	(1) Requisition Order (2) Order Request (3) Order Information
Data Out:	(1) Order Acceptance/Rejection Information (2) Order Information (3) Food Information
Process:	(1) Set table number to customer (2) Send the request to process (3) Select food items from food file (4) Send the result of request to customer
Attachment:	(1) Customer (2) Data Store D2 (3) Data Store D3 (4) Data Store D4 (5) Process 3.0

Table 3.7. Process Specification for Process 2.0

Process Name:	Request Order
Data In:	(1) Requisition Order (2) Table Number
Data Out:	(1) Order Information
Process:	(1) Set table number to customer (2) Send the request to process
Attachment:	(1) Customer (2) Data Store D4

Table 3.8. Process Specification for Process 2.1

Process Name:	Select Food
Data In:	(1) Order Request
Data Out:	(1) Order Information (2) Food Information
Process:	(1) Select food items from food file
Attachment:	(1) Customer (2) Data Store D2

Table 3.9. Process Specification for Process 2.2

Process Name:	Inform Data
Data In:	(1) Order Information
Data Out:	(1) Order Acceptance/Rejection Information
Process:	(1) Send the result of request to customer
Attachment:	(1) Customer (2) Data Store D3 (3) Process 3.0

Table 3.10. Process Specification for Process 2.3



Process Name:	Pay Order
Data In:	(1) Order Information (2) Payment Order
Data Out:	(1) Order Information (2) Bill Information
Process:	(1) Send order information to process (2) Calculate price of order (3) Customer receives bill from process (4) Customer pay order to process (5) Save bill information to income file
Attachment:	(1) Customer (2) Data Store D3 (3) Data Store D5 (4) Data Store D6 (5) Process 4.0

Table 3.11. Process Specification for Process 3.0

Process Name:	Receive Order File
Data In:	(1) Order Information
Data Out:	(1) Order Information
Process:	(1) Send order information to process
Attachment:	(1) Data Store D3

Table 3.12. Process Specification for Process 3.1

Process Name:	Calculate Order
Data In:	(1) Order Information
Data Out:	(1) Bill Information
Process:	(1) Calculate price of order (2) Customer receives bill from process
Attachment:	(1) Customer (2) Data Store D5

Table 3.13. Process Specification for Process 3.2

Process Name:	Payment Order
Data In:	(1) Payment Order
Data Out:	(1) Bill Information
Process:	(1) Customer pay order to process (2) Save bill information to income file
Attachment:	(1) Customer (2) Data Store D5 (3) Data Store D6 (4) Process 4.0

Table 3.14. Process Specification for Process 3.3

Process Name:	Process Update
Data In:	(1) Member Information (2) Food Information (3) Income Information
Data Out:	(1) Report Information
Process:	(1) Update member information (2) Update food information (3) Receive report from income file
Attachment:	(1) Manager (2) Data Store D1 (3) Data Store D2 (4) Data Store D6

Table 3.15. Process Specification for Process 4.0

Process Name:	Update Member
Data In:	(1) Member Information
Data Out:	(1) Update
Process:	(1) Update member information
Attachment:	(1) Manager (2) Data Store D1

Table 3.16. Process Specification for Process 4.1

Process Name:	Update Food
Data In:	(1) Food Information
Data Out:	(1) Update
Process:	(1) Update food information
Attachment:	(1) Manager (2) Data store D2

Table 3.17. Process Specification for Process 4.2

Process Name:	Settle Report
Data In:	(1) Income Information
Data Out:	(1) Report Information
Process:	(1) Receive report from income file
Attachment:	(1) Manager (2) Data store D6

Table 3.18. Process Specification for Process 4.3

(3) Entity-Relation Diagram

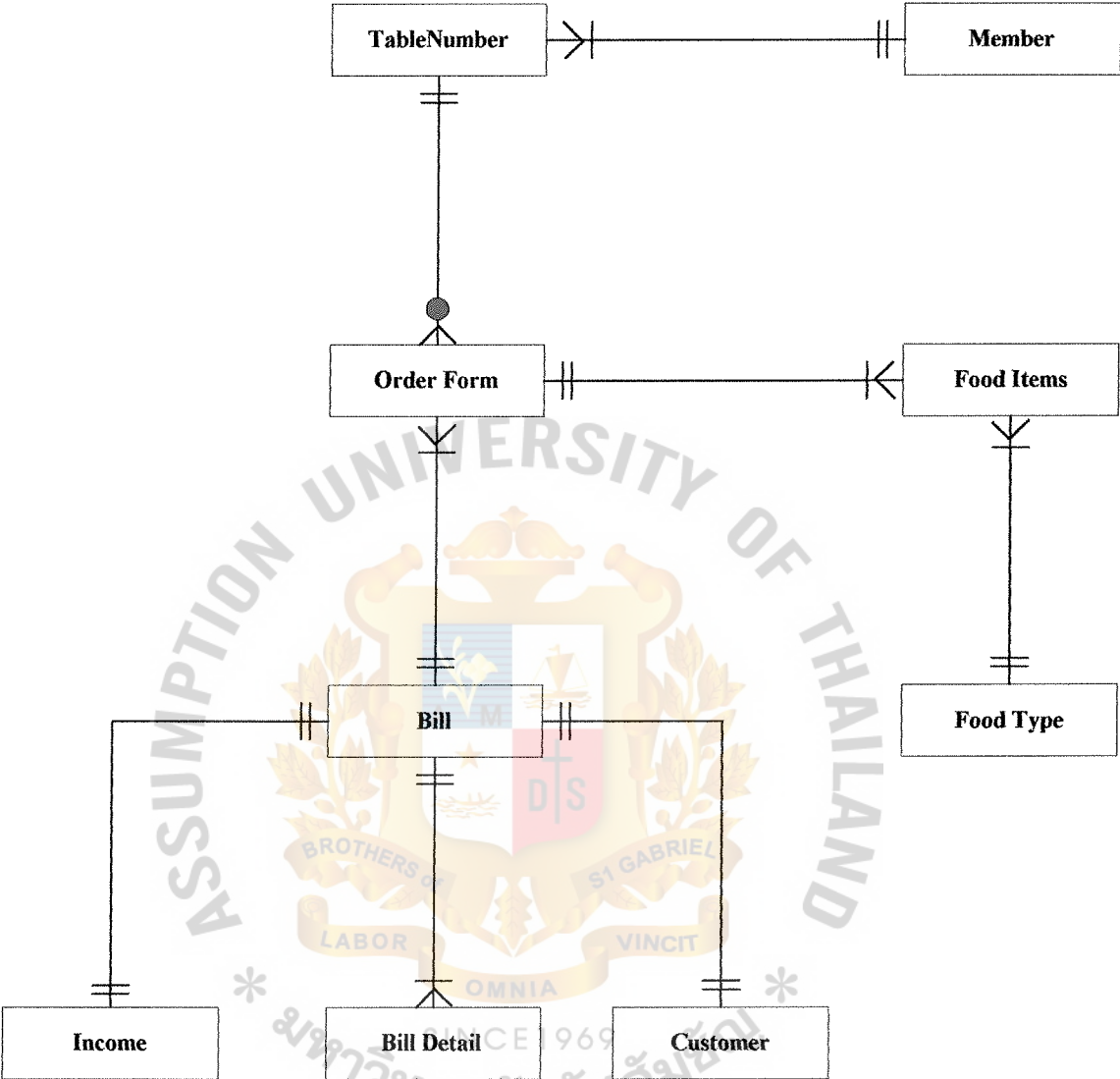


Figure 3.7. Entity-Relationship Diagram

(4) Database Design

Before database design, I use relational database to design database. The relational database is data organized in two-dimensional table that called relations. Each rows in table is called a tuple and each column is called an attribute. You can think of a relation or table as a file, tuples or rows as records, and attributes or columns as fields (Shelly, Cashman, Adamski 1995:324). The reason that I use relational database is it is flexible to add or remove table from database. You can add new column to a table or delete an existing column is a simple matter. You merely define the new column; you do not have to redefine or restructure the entire database to add or remove table columns. In the billing system, there are seven tables in billing system that are:

- 1.) Member table: the table collect the in formation member such as name, address, telephone etc. (Refer to Appendix A Table A-1.)
- 2.) Food table: is collecting the food data such as food name, type of food, price etc. (Refer to Appendix A Table A-2.)
- 3.) Food type table is collecting the type of food. (Refer to Appendix A Table A-3.)
- 4.) Order table: is to keep data of table number, food, quantity, total of order price. (Refer to Appendix A Table A-4.)
- 5.) Bill table: is to save the in formation about total of order price including discount, and service charge. (Refer to Appendix A Table A-5.)
- 6.) Bill Detail table: is to collect the detail of ordering that customer order such as food, quantity etc. (Refer to Appendix A Table A-6.)
- 7.) Income table: is saving the income that comes from customer payment. (Refer to Appendix A Table A-7.)

8.) Admin Table is keep username and password. (Refer to Appendix A Table A-8.)

(5) Interface Design

In this part, I design the interface design from user requirements and scope. There are forms in billing system that are:

- 1.) Login form is the first form when user opens the program. This form can set the level of user that make each user can use different functional. (Refer to Appendix B Figure B-1.)
- 2.) Main Menu form: when user put user and password, the second form is main menu. It shows the function of the system. User can select the submenu to do a task. (Refer to Appendix B Figure B-2.)
- 3.) Member form is the form shows the information of member. It can add, edit, delete, and search member. (Refer to Appendix B Figure B-3.)
- 4.) Food form is the form displays the food data. It can add, edit, delete, and search food. (Refer to Appendix B Figure B-4.)
- 5.) Order form: this form is user can put the order that receive form customer. (Refer to Appendix B Figure B-5.)
- 6.) Table form displays table in this restaurant. User can click the table to put order in order form. (Refer to Appendix B Figure B-6.)
- 7.) Food List form helps user to choose food items that requisition order want. (Refer to Appendix B Figure B-7.)
- 8.) Edit Order form: user can cancel or edit the order after user put the order in order form. (Refer to Appendix B Figure B-8.)
- 9.) Bill form: user goes to this form in order to calculate the price of order and print bill to customer. ((Refer to Appendix B Figure B-9.)

- 10.) Report form: user uses this form to select report that user want. There are income report, menu, and member report. (Refer to Appendix B Figure B-10.)
- 11.) Admin form shows changing password. (Refer to Appendix B Figure B-11.)
- (5) Report Design

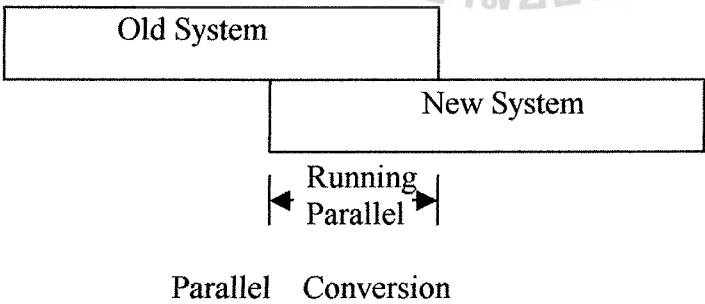
In this part, I design output design that user want to use. There are four reports in this system that are:

- 1.) Bill report is report that explain food and quantity that customer orders, total of order price including discount, service charge and grand total. (Refer to Appendix C Table C-1.)
- 2.) Income report displays the revenue that this company receives. (Refer to Appendix C Table C-2.)
- 3.) Menu report: when user update the menu, this report is suitable for this situation. (Refer to Appendix C Table C-3.)
- 4.) Member report shows expired member or member's birthday. (Refer to Appendix C Table C-4.)

IV. SYSTEM IMPLEMENTATION

3.1 Overview of the System Implementation

When technology has already been evaluated and selected, the company purchases orders that are released to acquire selected technology. Then, a programming will be stated. Software will be designing, coding, and testing. After software will be testing, training begins immediately for all personnel and users. After that, we prepare documentation that describes how a system operates. If test results are successful, the system goes though a conversion process. Conversion is the process of changing from the old system to the new system (John 1992:755). There are four different methods are Direct changeover, Parallel conversion, Phase conversion, and Pilot conversion. After we pass conversion process, the new system is installation. This system will use parallel conversion because this conversion is flexible. It works best when a computerized system replaces a manual one. We can check the error in new system when we run the old system and the new system simultaneously. When the new system is completed, the old system is stopped.



3.2 Test Plan

The testing methodologies that I use to test the system are white box testing and black box testing. White box testing is based in the direct examination of the internal logical structure of the software. It uses knowledge of the program structure to develop efficient and effective tests of the program's functionality (John 1992:713). There are two methods of white box testing: Module testing and Integration testing. I use integration testing that is three type of this: Top-down testing, Bottom-up testing, and Meet-in-the-middle testing. Top-down testing is suitable for test the system. Top-down testing tests the high levels of a system before testing its detailed components (Ian 1995:453). In black box testing, it relies on the specification of the system or component, which is being tested to derive test cases. It determined by studying its input and the related outputs (Ian 1995:466). I use Top-down testing to test main form to subsystem form. In black box testing, I use form bill to input the order and see the output form report.

V. CONCLUSIONS AND RECOMMENDATIONS

a. Conclusions

How objectives are achieved?

The objective is achieved by studying the billing system and finding the requirement of this company and then producing an appropriate invoice program. This billing program is automatic calculation of price of food, so it can save time, more accurate and reduce mistake that occurs from human calculating. These programs can print slip and summary report to manager and president respectively. The user can keep this report as evidence when he has a problem.

Problems faced during the training and how to solve.

The problems that I faced during the training are the requirements of user and time of work. The user wants a best program that suitable with the company, so I will create a detail of program to meet the user requirements. I solve this problem by asking the users what are the requirements before I create the program. The problem of working time is I organize my time to study summer course and worked during the training.

Compare the final project with the old system.

The final project is better than the old system because this project uses computer to organize the system, so it makes more accurate and consistent. It is easy to use and fast to process a result. In the old system, it uses cashier to calculate price of each food, so manager must retrieve each information of food. It requires more time to find member or food and more time to calculate price. The cashier can make a mistake when calculate a lot of invoice. All these problems will not occur in this project.

b. Recommendations

What are the features to be included for improvement?

The featuring to be improving is the assign table when customer comes to sit because it can help user know which table is unavailable. The second improvement is that has not reservation in restaurant. The third improvement is report that is not attractive because the program use data report to make the report. It has not many functions to make report that is attractive.

What is the feedback from the supervisor?

The supervisor is pleased with this program because this program is appropriate for his company and it very useful for him to calculate salary for all employees in company. The supervisor always helps when I did not understand the system or when I have a problem during training.



APPENDIX A
DATABASE DESIGN

No.	Field Name	Field Type	Index	Unique	Nullable	Foreign Key	Check	Key Type
1	MemberID	var char(10)	Y	Y				Primary Key
2	MemberName	var char(50)	Y					Attribute
3	MemberSurname	var char(50)	Y					Attribute
4	Address	var char(200)			Y			Attribute
5	Telephone	var char(10)					<area code, 7 digits>	Attribute
6	BirthDate	var date						Attribute
7	ApplyDate	var date						Attribute
8	ExpireDate	var date						Attribute

Table A-1. Member Table



No.	Field Name	Field Type	Index	Unique	Nullable	Foreign Key	Check	Key Type
1	FoodID	var char(10)	Y	Y				Primary Key
2	FoodName	var char(50)	Y					Attribute
3	TyprID	var char(50)	Y			Y		Foreign Key
4	Price	var int (10)						Attribute
5	Description	var char(10)						Attribute

Table A-2. Food Table



No.	Field Name	Field Type	Index	Unique	Nullable	Foreign Key	Check	Key Type
1	TypeID	var char(10)	Y	Y				Primary Key
2	TypeName	var char(10)	Y					Attribute

Table A-3. Food Type Table



No.	Field Name	Field Type	Index	Unique	Nullable	Foreign Key	Check	Key Type
1	OrderID	var char(10)	Y	Y				Primary Key
2	TableNo	var char(50)	Y					Attribute
3	FoodID	var char(10)	Y			Y		Foreign Key
4	Quantity	var int(200)					<only number>	Attribute
5	Price	var int(10)						Attribute
6	Subtotal	var single						Attribute
7	Member	var boolean						Attribute

Table A-4. Order Form Table



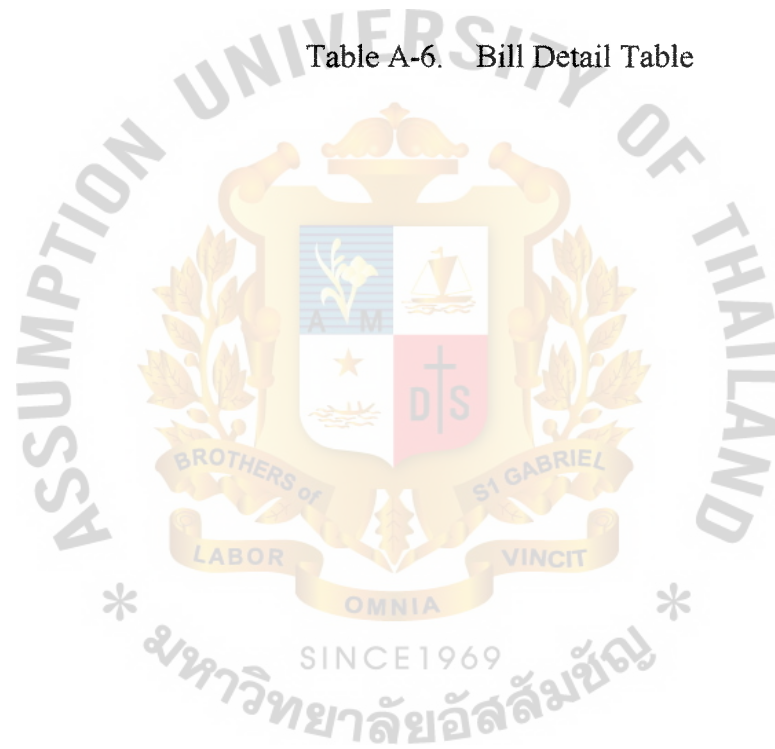
No.	Field Name	Field Type	Index	Unique	Nullable	Foreign Key	Check	Key Type
1	BillID	var char(10)	Y	Y				Primary Key
2	TableNo	var char(50)	Y					Attribute
3	Total	var int(50)						Attribute
4	Discount	var single						Attribute
5	Nettotal	var single						Attribute
6	Service	var single						Attribute
7	Gtotal	var single						Attribute

Table A-5. Bill Table



No.	Field Name	Field Type	Index	Unique	Nullable	Foreign Key	Check	Key Type
1	BillID	var char(10)	Y	Y				Primary Key
2	FoodID	var char(10)	Y			Y		Foreign Key
3	Quantity	var int(10)					<only number>	Attribute
4	Price	var int(10)						Attribute
5	Subtotal	var single						Attribute

Table A-6. Bill Detail Table



No.	Field Name	Field Type	Index	Unique	Nullable	Foreign Key	Check	Key Type
1	IncomeID	var char(10)	Y	Y				Primary Key
2	IncomeDate	var date						Attribute
3	TableNo	var char(50)	Y					Attribute
4	GTtotal	var single						Attribute

Table A-7. Income Table



No.	Field Name	Field Type	Index	Unique	Nullable	Foreign Key	Check	Key Type
1	Username	var char(20)	Y	Y				Primary Key
2	Password	var char(20)	Y					Attribute
3	Priority	var char(4)	Y					Attribute

Table A-8. Admin Table







Figure B-1. Login Form

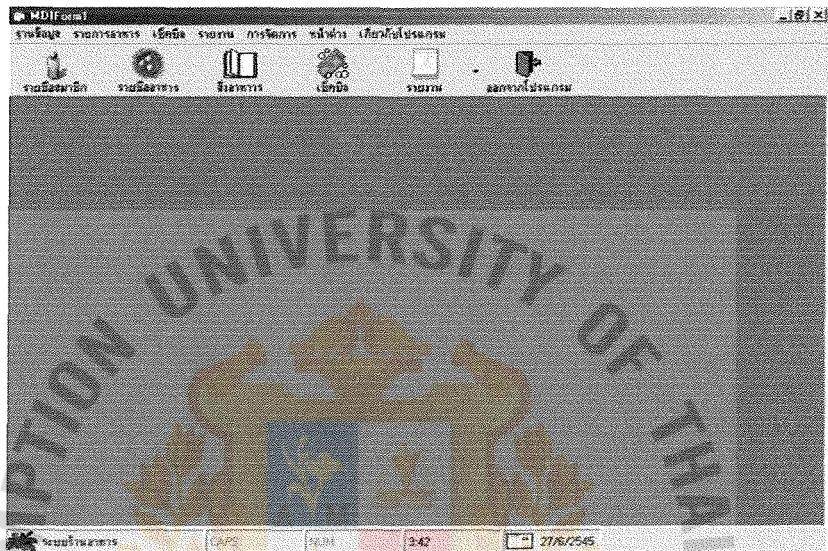


Figure B-2. Main Menu Form

MODForm1 [Member Information]

CS รายงาน รายงานรายการ แก้ไข รายงาน การตั้งค่าช่วยเหลือเกี่ยวกับโปรแกรม

รายงานสมาชิก รายงานรายการ รายงาน แก้ไข รายงาน แสดงข้อมูลทั้งหมด

รหัสสมาชิก: 04000001

ชื่อ: K. Ais

นามสกุล: Teesonboonwe

ที่อยู่: 400/17 soi on nach 50 sukhumvit 77 rd. suwairung bangkok

เบอร์โทรศัพท์: 00 3215407 คำขวัญ: 0271270000123

วันเกิด:

วันสมัคร:

วันหมดอายุ: 13/11/2544

บันทึก แก้ไข ลบ ค้นหา ลบ

ระบบข้อมูล CAPS NUM 3.44 27/6/2545

Figure B-3. Member Form

MDI Form1 - [Food Information]

อาหารสุภาพ รวบรวมอาหาร เชื้อโรค รวบรวม การจัดการ ขยะพิษ เชื้อโรคใช้ร่วมกัน

รายละเอียดอาหาร รายละเอียดอาหาร รายละเอียดอาหาร เชื้อโรค รวบรวม การจัดการ ขยะพิษ เชื้อโรคใช้ร่วมกัน

รหัสอาหาร: F00001

ชื่ออาหาร: Pork Steak

ชนิด: อาหารจานเดียว

ราคา: 120

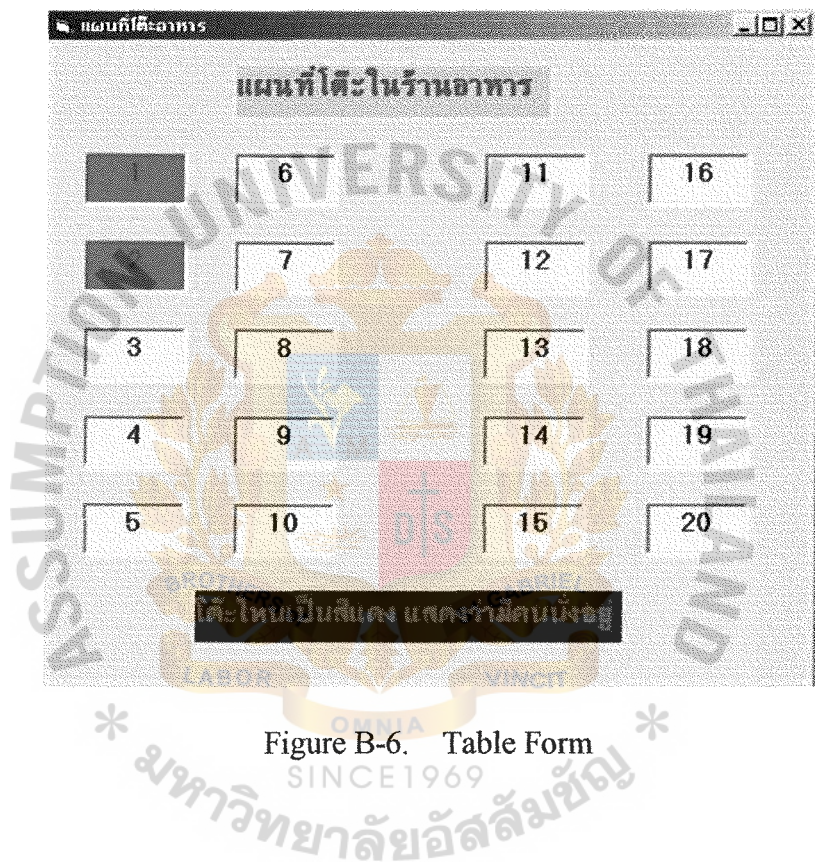
จำนวนอาหาร:

เพิ่ม ลบ แก้ไข ค้นหา บันทึก

1< < > >1

รายละเอียดอาหาร LAPS 100M 3.45 27/6/2545

Figure B-4 Food Form



รายงานอาหาร

ดับเบิ้ลคลิก รายการอาหาร

FoodId	FoodName	Price
F00006	Pork Chop	180
F00011	Meat Steak	250
F00012	Chicken Steak	150
F00001	Pork Steak	120
F00003	Duck Steak	200

เลือก ยก

Figure B-7. Food List Form

The screenshot displays a software window titled "MUIForm [Form1]". The menu bar includes "File", "Edit", "Format", "View", "Tools", "Window", and "Help". The toolbar contains icons for "New", "Open", "Save", "Print", "Exit", "Find", and "Find Next". The main form area is titled "Edit Order Form" and contains the following fields:

Order ID	1
Item Name	Meat Steak
Unit Price	250
Quantity	1
Total Price	250

Below the fields is a table with one row:

--	--	--	--	--

At the bottom of the form are buttons for "Edit", "Delete", "Clear", "Save", "Print", and "Exit". The status bar at the bottom shows "CAPS", "NUM", "4:00", and the date "27/6/2545".

Figure B-8. Edit Order Form

MDI Form1 [Form1]

เมนู: รายการอาหาร, เครื่องดื่ม, รายการ, การจัดการ, รหัสค่า, เกี่ยวกับโปรแกรม

รหัส BR: R00001 รหัส Order: R00000, R00001, R00002, R00003

รหัส IC:

วันที่: 27/6/2545

ค้นหาชื่อได้:

รายการอาหาร	ราคาต่อหน่วย	จำนวน	รวม
Meat Steak	250	1	250
Pork Chop	180	1	180
Pork Chop	180	1	180

ราคารวม:
 ส่วนลด 10%:
 ส่วนลดอีกจากส่วนลด:
 ส่วนกำไร 10%:
 ราคาจริง:

จำนวนรายการ: CAPS TOTAL 348 วันที่: 27/6/2545

Figure B-9. Bill Form

The image shows a screenshot of a software window titled 'Form1'. Inside the window, there is a form with the following elements:

- A label 'สมาชิก' (Member) at the top left.
- Three radio buttons for selection:
 - ☐ ทั้งหมด (All)
 - ☐ วันเกิด (Date of Birth)
 - ☐ ทั้งหมดอายุ (All Age)
- Two date/time pickers (calendars) to the right of the radio buttons.
- A button with a printer icon and the text 'พิมพ์' (Print) to the right of the pickers.
- An 'ออก' (Exit) button at the bottom center.

Figure B-10. Report Form

The image shows a standard Windows-style dialog box titled "Change Password". It contains four text input fields arranged vertically, each with a label to its left. The labels are "Login", "รหัสผ่านเดิม" (Old Password), "รหัสผ่านใหม่" (New Password), and "ยืนยันรหัสใหม่" (Confirm New Password). Below the input fields are two buttons: "OK" on the left and "Cancel" on the right. The dialog box is overlaid on a background that features a large, faint watermark of the Assumption University of Thailand logo and name in both English and Thai.

Figure B-11. Admin Form



APPENDIX C
REPORT DESIGN

AD MAKER RESTURANT
 51 Soi Langsuan Proenchit road Pathumwan Bangkok 11000.

Bill Report

27/6/2545

Quantity	Food Name	Price	Total
1	ข้าวผัดหมู	40	40
1	ทอดมันปลาทราย	50	50
1	น้ำเปล่า	10	10
ราคารวม			100
ส่วนลด 10%			0
ราคาที่ต้องจ่าย			100
ค่าบริการ			10
ราคารวมสุทธิ			110

Table C-1. Bill Report

AD MAKER RESTURANT
 51 Soi Langsuan Proenchit road Pathumwan Bangkok 11000.

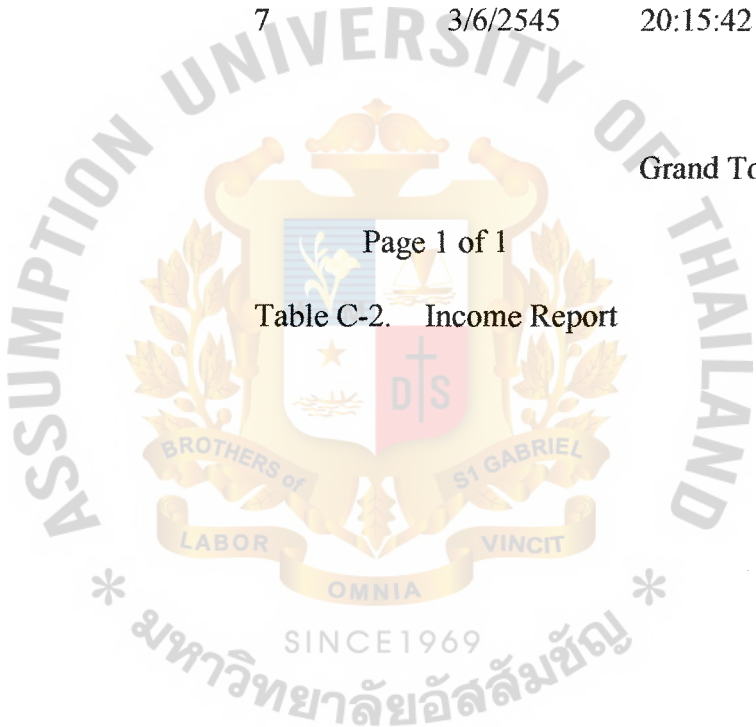
Income Report

27/6/2545

Income ID	เลขโต๊ะ	วันที่	เวลา	Grand Total
I00001	2	3/6/2545	12:02:01	400
I00002	4	3/6/2545	13:04:24	350
I00003	6	3/6/2545	15:04:52	400
I00004	7	3/6/2545	20:15:42	350
Grand Total				1500

Page 1 of 1

Table C-2. Income Report



AD MAKER RESTURANT
51 Soi Langsuan Proenchit road Pathumwan Bangkok 11000.

Member Report

6/6/2545

Member ID	M00001		
Member Name	ผู้เกียรติ	Member Surname	ศรีสมบูรณ์เวช
Address	400/17 ซ. อ่อนนุช 50 สุขุมวิท 77 สวนหลวง กทม 10250		
Telephone	027127000		
Birthday	25/3/2523		
Expire Date	25/4/2546		

Member ID	M00002		
Member Name	Somchai	Member Surname	Holiday
Address	123 Silom Road Bangkok 10130		
Telephone	021234567		
Birthday	19/4/2522		
Expire Date	25/4/2546		

Page 1 of 1

Table C-3. Member Report

AD MAKER RESTURANT
51 Soi Langsuan Proenchit road Pathumwan Bangkok 11000.

Food Report

ชนิดของอาหาร อาหารจานเดียว

รหัสอาหาร	ชื่ออาหาร	ราคา	
F00001	ข้าวผัดหมู	40	บาท
F00002	ข้าวผัดปู	50	บาท
F00003	ผัดไท	45	บาท

มีทั้งสิ้น 3 รายการ

Page1 of 1

Table C-4. Food Report



APPENDIX D
SOURCE CODE

Log in Form

```
Private Sub cmdCancel_Click()  
txtUser.Text = ""  
txtPassword.Text = ""  
txtUser.SetFocus  
End Sub
```

```
Private Sub cmdExit_Click()  
If MsgBox("คุณแน่ใจที่จะออกจากโปรแกรม", vbYesNo, "ข้อความ") = vbYes Then  
Unload Me  
Else  
txtUser.Text = ""  
txtPassword.Text = ""  
txtUser.SetFocus  
End If  
End Sub
```

```
Private Sub cmdOK_Click()  
Dim check As String  
  
If txtUser.Text = "" Then  
MsgBox "กรุณาใส่ Username ด้วย", vbOKOnly, "Error"  
txtUser.SetFocus  
Exit Sub  
ElseIf txtPassword.Text = "" Then  
MsgBox "กรุณาใส่ Password ด้วย", vbOKOnly, "Error"  
txtPassword.SetFocus  
Exit Sub  
Else  
With adoAdmin  
.RecordSource = "Select * from admin where Username = " & txtUser.Text & ""  
.Refresh  
End With  
  
If adoAdmin.Recordset.RecordCount <> 0 Then  
If adoAdmin.Recordset.Fields("Password").Value = txtPassword.Text Then  
check = adoAdmin.Recordset.Fields("Priority").Value  
MDIProject.Show  
Select Case check  
Case Is = "1"  
MDIProject.report.Enabled = False  
MDIProject.admin.Enabled = False  
Case Is = "2"  
MDIProject.report.Enabled = True  
MDIProject.admin.Enabled = True  
End Select  
Unload Me
```

```

Else
    MsgBox "ใส่ Password ผิด", vbOKOnly, "Password"
End If

Else
    MsgBox "ไม่มี Username นี้ในฐานข้อมูล", vbOKOnly, "Error"
    txtUser.Text = ""
    txtPassword.Text = ""
    txtUser.SetFocus
End If

End If
End Sub

Private Sub Form_Load()

End Sub

Private Sub txtPassword_KeyPress(KeyAscii As Integer)
If KeyAscii = 13 Then
    Call cmdOK_Click
End If
End Sub

Private Sub txtUser_KeyPress(KeyAscii As Integer)
If KeyAscii = 13 Then
    SendKeys "{Tab}"
    KeyAscii = 0
End If
End Sub

```

Main Menu Form

```
Private Sub about_Click()  
frmAbout.Show  
MDIProject.Enabled = False
```

```
End Sub
```

```
Private Sub bill_Click()  
frmBill.Show  
End Sub
```

```
Private Sub changepassword_Click()  
frmChangePass.Show  
End Sub
```

```
Private Sub editororder_Click()  
frmEditOrder.Show  
End Sub
```

```
Private Sub exit_Click()  
End  
End Sub
```

```
Private Sub food_Click()  
frmFood.Show  
End Sub
```

```
Private Sub logoff_Click()  
frmAdmin.Show  
MDIProject.Hide  
End Sub
```

```
Private Sub MDIForm_Unload(Cancel As Integer)  
Dim intKeyPress As Integer  
intKeyPress = MsgBox("คุณแน่ใจที่จะออกจากโปรแกรมหรือไม่", vbYesNo + vbExclamation,  
"ออกจากโปรแกรม")  
Select Case intKeyPress  
Case vbYes  
End  
Case vbNo  
Cancel = True  
End Select  
End Sub
```

```
Private Sub member_Click()  
frmMember.Show
```

End Sub

```
Private Sub memberreport_Click()  
    frmReport.Show  
    frmReport.Frame1.Visible = False  
    frmReport.Frame2.Visible = True  
End Sub
```

```
Private Sub monthreport_Click()  
    frmReport.Show  
    frmReport.Frame1.Visible = True  
    frmReport.Frame2.Visible = False  
End Sub
```

```
Private Sub reportmenu_Click()  
    ReporFood.Show  
End Sub
```

```
Private Sub takeorder_Click()  
    frmTable.Show  
    'frmOrder.Show  
End Sub
```

```
Private Sub Toolbar1_ButtonClick(ByVal Button As MSComctlLib.Button)  
    Select Case Button.Key  
        Case "member"  
            frmMember.Show  
        Case "food"  
            frmFood.Show  
        Case "order"  
            frmTable.Show  
        Case "bill"  
            frmBill.Show  
        Case "report"  
            frmReport.Show  
        Case "exit"  
            If MsgBox("คุณแน่ใจที่ออกจากโปรแกรม", vbYesNo, "ยืนยัน") = vbYes Then  
                End  
            Else  
                MDIProject.Show  
            End If  
        End Select  
End Sub
```

```
Private Sub Toolbar1_ButtonMenuClick(ByVal ButtonMenu As  
    MSComctlLib.ButtonMenu)  
    Select Case ButtonMenu.Index  
        Case 1  
            frmReport.Show
```

```
frmReport.Frame1.Visible = True
frmReport.Frame2.Visible = False
Case 2
ReporFood.Show
Case 3
frmReport.Show
frmReport.Frame1.Visible = False
frmReport.Frame2.Visible = True
End Select
End Sub
```



Member Form

```
Private Sub TextLock()  
txtMemberID.Locked = True  
txtName.Locked = True  
txtSurname.Locked = True  
txtAddress.Locked = True  
txtTel.Locked = True  
txtBirthDate.Locked = True  
txtApplyDate.Locked = True  
txtExpireDate.Locked = True  
End Sub
```

```
Private Sub TextUnlock()  
txtName.Locked = False  
txtSurname.Locked = False  
txtAddress.Locked = False  
txtTel.Locked = False  
End Sub
```

```
Private Sub CmdUnvisible()  
cmdAdd.Enabled = False  
cmdEdit.Enabled = False  
cmdDel.Enabled = False  
End Sub
```

```
Private Sub CmdVisible()  
cmdAdd.Enabled = True  
cmdEdit.Enabled = True  
cmdDel.Enabled = True  
End Sub
```

```
Private Sub cmbField_Click()  
If cmbField.Text = "รหัสสมาชิก" Then  
    txtField.Text = "MemberId"  
ElseIf cmbField.Text = "ชื่อ" Then  
    txtField.Text = "MemName"  
ElseIf cmbField.Text = "เบอร์โทรศัพท์" Then  
    txtField.Text = "Telephone"  
End If  
txtSearch.Text = ""  
End Sub
```

```
Private Sub cmdAdd_Click()  
Call TextUnlock  
Call CmdUnvisible
```

```
fmeSave.Visible = True
```

```
cmdMoveFirst.Enabled = False
```

```
cmdMovePrev.Enabled = False
cmdMoveNext.Enabled = False
cmdMoveLast.Enabled = False
cmdSearch1.Enabled = False
```

```
DTPBirth.Visible = True
txtDate.Visible = True
txtExpire.Visible = True
txtBirthDate.Visible = False
txtApplyDate.Visible = False
txtExpireDate.Visible = False
txtName.SetFocus
```

```
Dim temp As String
Dim count As Integer
temp = Right(Trim(txtDate.Text), 4)
count = Val(temp) + 1
lblExpire.Caption = (Left(Trim(txtDate.Text), 4)) & count
txtExpire.Text = lblExpire.Caption
```

```
adoMember.Recordset.MoveLast
Dim lastID
Dim lastNum
lastID = adoMember.Recordset.Fields("MemberId").Value
lastID = Right(lastID, 5)
lastNum = Val(lastID)
lastNum = lastNum + 1
adoMember.Recordset.AddNew
txtMemberID.Text = "M" & Format(lastNum, "00000")
```

```
adoMember.Recordset.Fields("ApplyDate").Value = txtDate.Text
adoMember.Recordset.Fields("ExpireDate").Value = lblExpire.Caption
End Sub
```

```
Private Sub cmdCancel_Click()
adoMember.Recordset.CancelUpdate
```

```
cmdMoveFirst.Enabled = True
cmdMovePrev.Enabled = True
cmdMoveNext.Enabled = True
cmdMoveLast.Enabled = True
cmdSearch1.Enabled = True
fmeSave.Visible = False
Call CmdVisible
DTPBirth.Visible = False
txtDate.Visible = False
txtExpire.Visible = False
txtBirthDate.Visible = True
txtApplyDate.Visible = True
txtExpireDate.Visible = True
```

End Sub

Private Sub cmdClear_Click()
Call CmdVisible

cmdExit.Enabled = True
cmdSearch1.Enabled = True
fmeSearch.Visible = False
cmdMoveNext.Enabled = True
cmdMoveLast.Enabled = True
cmdMoveFirst.Enabled = True
cmdMovePrev.Enabled = True
txtSearch.Text = ""

With adoMember
.RecordSource = "select * from Member"
.Refresh
End With
Call TextLock
End Sub

Private Sub cmdDel_Click()
If MsgBox("คุณแน่ใจที่จะลบรหัสสมาชิกนี้", vbYesNo, "ยืนยัน") = vbYes Then
With adoMember.Recordset
.Delete
.MoveNext
If adoMember.Recordset.EOF Then
adoMember.Recordset.MoveLast
End If
End With
End If
End Sub

Private Sub cmdEdit_Click()
txtName.SetFocus
adoMember.Recordset.Update
Call CmdUnvisible

fmeSave.Visible = True

Call TextUnlock
DTPBirth.Visible = True
txtBirthDate.Visible = False

cmdMoveFirst.Enabled = False
cmdMovePrev.Enabled = False
cmdMoveNext.Enabled = False
cmdMoveLast.Enabled = False
cmdSearch1.Enabled = False
End Sub

```
Private Sub cmdExit_Click()
Unload Me
End Sub
```

```
Private Sub cmdMoveFirst_Click()
Call Enable
adoMember.Recordset.MoveFirst
cmdMoveFirst.Enabled = False
cmdMovePrev.Enabled = False
End Sub
```

```
Private Sub cmdMoveLast_Click()
Call Enable
adoMember.Recordset.MoveLast
cmdMoveLast.Enabled = False
cmdMoveNext.Enabled = False
End Sub
```

```
Private Sub cmdMoveNext_Click()
Call Enable
adoMember.Recordset.MoveNext
If adoMember.Recordset.EOF Then
adoMember.Recordset.MoveLast
cmdMoveNext.Enabled = False
cmdMoveLast.Enabled = False
End If
End Sub
```

```
Private Sub cmdMovePrev_Click()
Call Enable
adoMember.Recordset.MovePrevious
If adoMember.Recordset.BOF Then
adoMember.Recordset.MoveFirst
cmdMoveFirst.Enabled = False
cmdMovePrev.Enabled = False
End If
End Sub
```

```
Private Sub cmdOK_Click()
If (txtName.Text = "") Or (txtSurname.Text = "") Or (txtAddress.Text = "") Or
(txtTel.Text = "") Then
MsgBox " กรอกข้อมูลไม่ครบ กรุณากรอกใหม่", vbOKOnly + vbExclamation, "ผิดพลาด"
Else
adoMember.Recordset.Fields("BirthDate").Value = txtBirth.Text
cmdMoveFirst.Enabled = True
cmdMovePrev.Enabled = True
cmdMoveNext.Enabled = True
cmdMoveLast.Enabled = True
cmdSearch1.Enabled = True
```

```

Call CmdVisible
fmeSave.Visible = False
DTPBirth.Visible = False
txtDate.Visible = False
txtExpire.Visible = False
txtBirthDate.Visible = True
txtApplyDate.Visible = True
txtExpireDate.Visible = True
End If
adoMember.RecordSource = "select * from Member"
adoMember.Refresh
Call TextLock
End Sub

```

```

Private Sub cmdSearch_Click()
On Error GoTo searcherr
cmdAdd.Enabled = False
cmdEdit.Enabled = True
cmdDel.Enabled = True

```

```

cmdMoveFirst.Enabled = False
cmdMovePrev.Enabled = False
Dim Words As String
Words = txtField & " like " & txtSearch.Text & "%"

```

```

If txtSearch.Text = "" Then
    MsgBox "กรุณาใส่ข้อมูล ก่อนการค้นหา", vbOKOnly + vbExclamation, "คำเตือน"
    txtSearch.SetFocus
Exit Sub
End If

```

```

With adoMember
    .RecordSource = "select * from Member where " & Words
    .Refresh
End With

```

```

MsgBox adoMember.Recordset.RecordCount & " รายการ", vbOKOnly + vbInformation,
"ผลของการค้นหา"

```

```

txtSearch.Text = ""
Exit Sub

```

```

searcherr:

```

```

    MsgBox "ไม่พบ " & txtSearch.Text & " ในฐานข้อมูล.", vbInformation + vbOKOnly,
"ผลลัพธ์"

```

```

With adoMember
    .RecordSource = "select * from Member"
    .Refresh
End With

```

```

txtSearch.Text = ""
txtSearch.SetFocus

```

Private Sub cmdSearch1_Click()

```
fmeSave.Visible = False
```

```
cmdDel.Enabled = False
```

```
cmdSearch1.Enabled = False
```

```
cmdMovePrev.Enabled = False
```

```
cmdMoveLast.Enabled = False
```

```
txtBirth.Text = DTPBirth.Value
```

Private Sub Enable()

```
cmdMovePrev.Enabled = True
```

```
cmdMoveLast.Enabled = True
```

If KeyAscii = 13 Then

End If

Private Sub character(KeyAscii As Integer)

```
character = "abcdefghijklmnopqrstuvwxyz"
```

```
character = character & "แสดงตงขรภาพพรรณณยชรูปบลพฒนากคณยศสขวงผปอหคณมพพ"
```

```
KeyAscii = Asc(Chr(KeyAscii))
```

If InStr(character, Chr(KeyAscii)) = 0 Then

End If

End Sub

Private Sub number(KeyAscii As Integer)

Dim character As String

character = "1234567890#"

KeyAscii = Asc(Chr(KeyAscii))

If KeyAscii > 26 Then

If InStr(character, Chr(KeyAscii)) = 0 Then

KeyAscii = 0

End If

End If

End Sub

Private Sub Form_Load()

Call TextLock

fmeSave.Visible = False

fmeSearch.Visible = False

txtDate.Text = Format\$(Date, "d/m/yyyy")

txtBirth.Visible = False

DTPBirth.Visible = False

txtDate.Visible = False

lblExpire.Visible = False

txtExpire.Visible = False

txtBirthDate.Visible = True

txtApplyDate.Visible = True

txtExpireDate.Visible = True

txtField.Text = "MemberId"

txtDate.Locked = True

txtExpire.Locked = True

End Sub

Private Sub txtAddress_KeyPress(KeyAscii As Integer)

If KeyAscii = 13 Then

SendKeys "{Tab}"

KeyAscii = 0

End If

End Sub

Private Sub txtName_KeyPress(KeyAscii As Integer)

Call character(KeyAscii)

If KeyAscii = 13 Then

SendKeys "{Tab}"

KeyAscii = 0

End If

End Sub

Private Sub txtSearch_KeyPress(KeyAscii As Integer)

If KeyAscii = 13 Then

```
    Call cmdSearch_Click  
End If  
End Sub
```

```
Private Sub txtSurname_KeyPress(KeyAscii As Integer)  
    Call character(KeyAscii)  
    If KeyAscii = 13 Then  
        SendKeys "{Tab}"  
        KeyAscii = 0  
    End If  
End Sub
```

```
Private Sub txtTel_KeyPress(KeyAscii As Integer)  
    Call number(KeyAscii)  
    If KeyAscii = 13 Then  
        SendKeys "{Tab}"  
        KeyAscii = 0  
    End If  
End Sub
```



Food Form

Dim temptype As String

Private Sub cmbField_Click()

If cmbField.Text = "รหัสอาหาร" Then

txtField.Text = "FoodId"

ElseIf cmbField.Text = "ชื่อ" Then

txtField.Text = "FoodName"

End If

End Sub

Private Sub cmbType_Click()

txtType1.Text = cmbType.Text

If cmbType.Text = "อาหารจานเดียว" Then

txtType.Text = "1"

ElseIf cmbType.Text = "อาหารหลัก" Then

txtType.Text = "2"

ElseIf cmbType.Text = "อาหารทานเล่น" Then

txtType.Text = "3"

ElseIf cmbType.Text = "ของหวาน" Then

txtType.Text = "4"

ElseIf cmbType.Text = "เครื่องดื่ม" Then

txtType.Text = "5"

End If

End Sub

Private Sub cmdAdd_Click()

cmbType.Visible = True

txtType1.Visible = False

cmdAdd.Enabled = False

cmdEdit.Enabled = False

cmdDel.Enabled = False

cmdExit.Enabled = False

cmdSearch1.Enabled = False

fmeSave.Visible = True

txtFoodName.Locked = False

txtPrice.Locked = False

txtDesc.Locked = False

cmdMoveFirst.Enabled = False

cmdMovePrev.Enabled = False

cmdMoveNext.Enabled = False

cmdMoveLast.Enabled = False

```
txtFoodName.SetFocus  
adoFood.Recordset.MoveLast
```

```
Dim lastID  
Dim lastNum
```

```
lastID = adoFood.Recordset.Fields("FoodId").Value  
lastID = Right(lastID, 5)  
lastNum = Val(lastID)  
lastNum = lastNum + 1  
adoFood.Recordset.AddNew  
txtFoodId.Text = "F" & Format(lastNum, "00000")  
Exit Sub  
End Sub
```

```
Private Sub cmdCancel_Click()  
txtType.Text = temptype  
temptype = ""  
adoFood.Recordset.CancelUpdate
```

```
cmdAdd.Enabled = True  
cmdAdd.Enabled = True  
cmdEdit.Enabled = True  
cmdDel.Enabled = True  
cmdExit.Enabled = True  
cmdSearch1.Enabled = True
```

```
fmeSave.Visible = False  
cmdMoveFirst.Enabled = True  
cmdMovePrev.Enabled = True  
cmdMoveNext.Enabled = True  
cmdMoveLast.Enabled = True
```

```
    cmbType.Visible = False  
    txtType1.Visible = True  
End Sub
```

```
Private Sub cmdClear_Click()  
cmdAdd.Enabled = True  
cmdEdit.Enabled = True  
cmdDel.Enabled = True  
cmdExit.Enabled = True  
cmdSearch1.Enabled = True  
fmeSearch.Visible = False
```

```
cmdMoveNext.Enabled = True  
cmdMoveLast.Enabled = True  
cmdMoveFirst.Enabled = True  
cmdMovePrev.Enabled = True  
txtSearch.Text = ""
```

```

With adoFood
    .RecordSource = "select * from Food order by FoodId"
    .Refresh
End With
End Sub

Private Sub cmdDel_Click()
If MsgBox("คุณแน่ใจที่จะลบรายการนี้", vbYesNo, "ยืนยัน") = vbYes Then
    With adoFood.Recordset
        .Delete
        .MoveNext
        If adoFood.Recordset.EOF Then
            adoFood.Recordset.MoveLast
        End If
    End With
End If
End Sub

Private Sub cmdEdit_Click()
cmbType.Visible = True
txtType1.Visible = False
txtFoodName.SetFocus
temptype = txtType.Text
adoFood.Recordset.Update

cmdAdd.Enabled = False
cmdEdit.Enabled = False
cmdDel.Enabled = False
cmdExit.Enabled = False

fmeSave.Visible = True

txtFoodName.Locked = False
txtPrice.Locked = False
txtDesc.Locked = False

cmdMoveFirst.Enabled = False
cmdMovePrev.Enabled = False
cmdMoveNext.Enabled = False
cmdMoveLast.Enabled = False
End Sub

Private Sub cmdExit_Click()
Unload Me
End Sub
Private Sub cmdMoveFirst_Click()
Call Enable
adoFood.Recordset.MoveFirst
cmdMoveFirst.Enabled = False

```

```
cmdMovePrev.Enabled = False
End Sub
```

```
Private Sub cmdMoveLast_Click()
Call Enable
adoFood.Recordset.MoveLast
cmdMoveLast.Enabled = False
cmdMoveNext.Enabled = False
End Sub
```

```
Private Sub cmdMoveNext_Click()
Call Enable
adoFood.Recordset.MoveNext
If adoFood.Recordset.EOF Then
    adoFood.Recordset.MoveLast
    cmdMoveNext.Enabled = False
    cmdMoveLast.Enabled = False
End If
End Sub
```

```
Private Sub cmdMovePrev_Click()
Call Enable
adoFood.Recordset.MovePrevious
If adoFood.Recordset.BOF Then
    adoFood.Recordset.MoveFirst
    cmdMoveFirst.Enabled = False
    cmdMovePrev.Enabled = False
End If
End Sub
```

```
Private Sub cmdOK_Click()
If (txtFoodName.Text = "") Or (txtPrice.Text = "") Then
    MsgBox " กรุณากรอกข้อมูลให้ครบถ้วน", vbOKOnly, "ผิดพลาด"
Else
    cmdMoveFirst.Enabled = True
    cmdMovePrev.Enabled = True
    cmdMoveNext.Enabled = True
    cmdMoveLast.Enabled = True
    fineSave.Visible = False
    cmdAdd.Enabled = True
    cmdEdit.Enabled = True
    cmdDel.Enabled = True
    cmdExit.Enabled = True
    cmdSearch1.Enabled = True
```

```
    cmbType.Visible = False
    txtType1.Visible = True
```

```
End If
adoFood.RecordSource = "select * from Food order by FoodId"
adoFood.Refresh
```


End Sub

```
Private Sub cmdType_Change()  
txtType1.Text = cmbType.Text  
If cmbType.Text = "อาหาร" Then  
    txtType.Text = "1"  
ElseIf cmbType.Text = "ของหวาน" Then  
    txtType.Text = "2"  
ElseIf cmbType.Text = "เครื่องดื่ม" Then  
    txtType.Text = "3"  
End If  
End Sub
```

```
Private Sub Enable()  
cmdMoveFirst.Enabled = True  
cmdMovePrev.Enabled = True  
cmdMoveNext.Enabled = True  
cmdMoveLast.Enabled = True  
End Sub
```

```
Private Sub cmdSearch_Click()  
On Error GoTo searcherr  
cmdAdd.Enabled = False  
cmdEdit.Enabled = True  
cmdDel.Enabled = True
```

```
cmdMoveFirst.Enabled = False  
cmdMovePrev.Enabled = False  
Dim Words As String  
Words = txtField & " like " & txtSearch.Text & "%"  
' Words = txtfield & " like " & txtsearch.Text & "%"  
If txtSearch.Text = "" Then  
    MsgBox "กรุณาใส่ข้อมูล ก่อนการค้นห", vbOKOnly + vbExclamation, "คำเตือน"  
    txtSearch.SetFocus  
Exit Sub
```

End If

```
With adoFood  
    .RecordSource = "select * from Food where " & Words  
    .Refresh
```

End With

```
MsgBox adoFood.Recordset.RecordCount & " รายการ", vbOKOnly + vbInformation,  
"ผลของการค้นหา"
```

```
txtSearch.Text = ""
```

Exit Sub

searcherr:

```
MsgBox "ไม่พบ " & txtSearch.Text & " ในฐานข้อมูล.", vbInformation + vbOKOnly,  
"ผลลัพธ์"
```

```

With adoFood
    .RecordSource = "select * from Food"
    .Refresh
End With
txtSearch.Text = ""
txtSearch.SetFocus
End Sub

```

```

Private Sub cmdSearch1_Click()
fmeSearch.Visible = True
fmeSave.Visible = False
cmdAdd.Enabled = False
cmdEdit.Enabled = False
cmdDel.Enabled = False
cmdSearch1.Enabled = False

```

```

cmdMoveNext.Enabled = False
cmdMoveLast.Enabled = False
cmdMoveFirst.Enabled = False
cmdMovePrev.Enabled = False
End Sub

```

```

Private Sub Form_Load()
fmeSave.Visible = False
fmeSearch.Visible = False
txtFoodId.Locked = True
txtFoodName.Locked = True
txtPrice.Locked = True
txtType1.Locked = True
txtDesc.Locked = True
cmbType.Visible = False
txtField.Text = "FoodId"

```

```

End Sub

```

```

Private Sub number(KeyAscii As Integer)
Dim character As String

character = "1234567890#"
KeyAscii = Asc(Chr(KeyAscii))
If KeyAscii > 26 Then
    If InStr(character, Chr(KeyAscii)) = 0 Then
        KeyAscii = 0
    End If
End If
End Sub

```

```

Private Sub txtPrice_KeyPress(KeyAscii As Integer)
Call number(KeyAscii)
If KeyAscii = 13 Then
    SendKeys "{Tab}"
    KeyAscii = 0
End If
End Sub

```

```

Private Sub txtType_Change()
If txtType.Text = "1" Then
    txtType1.Text = "อาหารจานเดียว"
ElseIf txtType.Text = "2" Then
    txtType1.Text = "อาหารหลัก"
ElseIf txtType.Text = "3" Then
    txtType1.Text = "อาหารทานเล่น"
ElseIf txtType.Text = "4" Then
    txtType1.Text = "ของหวาน"
ElseIf txtType.Text = "5" Then
    txtType1.Text = "เครื่องดื่ม"
End If
End Sub

```



Order Form

```
Private Sub cmbType_Click()
If cmbType.Text = "อาหารจานเดียว" Then
    txtType.Text = "1"
ElseIf cmbType.Text = "อาหารหลัก" Then
    txtType.Text = "2"
ElseIf cmbType.Text = "อาหารทานเล่น" Then
    txtType.Text = "3"
ElseIf cmbType.Text = "ของหวาน" Then
    txtType.Text = "4"
ElseIf cmbType.Text = "เครื่องดื่ม" Then
    txtType.Text = "5"
End If
txtFoodId.Text = ""
txtprice.Text = ""
dcbName.Locked = False
End Sub

Private Sub cmdCancel_Click()
Dim place As Boolean
If MsgBox("คุณแน่ใจที่จะยกเลิกรายการสั่งอาหารนี้", vbYesNo, "Confirm") = vbYes Then

With adoOrder
    .Recordset.CancelUpdate
    .RecordSource = "select * from OrderForm"
    .Refresh
End With
txtTable.Text = ""
txtQuantity.Text = ""

place = 0

adoTemp.Refresh
If adoTemp.Recordset.RecordCount <> 0 Then ' link ตาราง temp อยู่ clear ลีนค่าเก่าก่อน
order ใหม่
    adoTemp.Recordset.MoveFirst
    While adoTemp.Recordset.EOF = False ' loop เพื่อ clear ค่าใน temp
        adoTemp.Recordset.Delete
        adoTemp.Recordset.MoveNext
    Wend
End If
Unload Me
```

```

frmTable.Show
End If
End Sub

```

```

Private Sub cmdClear_Click()
txtType.Text = ""
txtFoodId.Text = ""
txtFName.Text = ""
txtprice.Text = ""
txtQuantity.Text = ""
txtTotal1.Text = ""
cmbType.SetFocus
End Sub

```

```

Private Sub cmdExit_Click()
Unload Me
End Sub

```

```

Private Sub cmdFoodList_Click()

```

```

With adoFood

```

```

.RecordSource = "select * from Food where Typeld = " & frmOrder.txtType.Text &
""

```

```

.Refresh

```

```

End With

```

```

If adoFood.Recordset.RecordCount = 0 Then

```

```

MsgBox "ไม่มีรายการซื้ออาหาร ในหมวดนี้ กรุณาเลือกชนิดอาหารใหม่", vbOKOnly +

```

```

vbExclamation, "ผิดพลาด"

```

```

cmbType.SetFocus

```

```

Exit Sub

```

```

End If

```

```

MDIProject.Enabled = False

```

```

frmFoodList.Show

```

```

End Sub

```

```

Private Sub cmdOK_Click()

```

```

Dim a As Integer

```

```

Dim b As Integer

```

```

adoTemp.RecordSource = "select * from TempOrder where FoodId = " &
txtFoodId.Text & ""

```

```

adoTemp.Refresh

```

```

If adoTemp.Recordset.RecordCount <> 0 Then

```

```

If MsgBox("อาหารชนิดนี้ได้บันทึกแล้ว จะลงบันทึกซ้ำหรือไม่", vbYesNo, "Warning") = vbYes

```

```

Then

```

```

a = Val(txtQuantity.Text)

```

```

a = a + Val(txtQuantity.Text)

```

```

b = Val(txtTotal1.Text)

```

```

b = b + Val(txtTotal1.Text)

```

```
adoTemp.Recordset.Fields("Quantity").Value = a
adoTemp.Recordset.Fields("Total").Value = b
adoTemp.Recordset.Update
adoTemp.Refresh
```

```
adoTemp.RecordSource = "select * from TempOrder"
adoTemp.Refresh
```

```
adoFood.RecordSource = "select * from Food where TypeId = " & txtType.Text & ""
adoFood.Refresh
txtQuantity.Text = ""
txtFName.Text = ""
txtprice.Text = ""
txtTotal1.Text = ""
cmbType.SetFocus
dcbName.Locked = True
cmdSave.Enabled = True
Exit Sub
End If
End If
adoTemp.Recordset.AddNew
adoTemp.Recordset.Fields("OrderId").Value = txtOrder.Text
adoTemp.Recordset.Fields("FoodId").Value = txtFoodId.Text
adoTemp.Recordset.Fields("FoodName").Value = txtFName.Text
adoTemp.Recordset.Fields("Quantity").Value = txtQuantity.Text
adoTemp.Recordset.Fields("Price").Value = txtprice.Text
adoTemp.Recordset.Fields("Total").Value = txtTotal1.Text
adoTemp.Recordset.Update
adoTemp.Refresh
```

```
adoTemp.RecordSource = "select * from TempOrder"
adoTemp.Refresh
```

```
adoFood.RecordSource = "select * from Food where TypeId = " & txtType.Text & ""
adoFood.Refresh
txtQuantity.Text = ""
txtFName.Text = ""
txtprice.Text = ""
txtTotal1.Text = ""
cmbType.SetFocus
dcbName.Locked = True
cmdSave.Enabled = True
```

```
End Sub
```

```
Private Sub cmdSave_Click()
Dim check As Boolean
Dim place As Boolean
adoOrder.Refresh
```



```

adotable.Refresh
adoTemp.Refresh
adoTemp.Recordset.MoveFirst
If MsgBox("คุณแน่ใจที่จะบันทึกลงฐานข้อมูล", vbYesNo + vbInformation, "Confirm") =
vbYes Then
    While adoTemp.Recordset.EOF = False
        adoOrder.Recordset.AddNew
        adoOrder.Recordset.Fields("OrderId").Value =
adoTemp.Recordset.Fields("OrderId").Value
        adoOrder.Recordset.Fields("FoodId").Value =
adoTemp.Recordset.Fields("FoodId").Value
        adoOrder.Recordset.Fields("FoodName").Value =
adoTemp.Recordset.Fields("FoodName").Value
        adoOrder.Recordset.Fields("Quantity").Value =
adoTemp.Recordset.Fields("Quantity").Value
        adoOrder.Recordset.Fields("Price").Value =
adoTemp.Recordset.Fields("Price").Value
        adoOrder.Recordset.Fields("TableNo").Value = txtTable.Text
        adoOrder.Recordset.Fields("Subtotal").Value =
adoTemp.Recordset.Fields("Total").Value

        If optMember.Value = True Then
            check = True
        ElseIf optNonMember.Value = False Then
            check = False
        End If
        adoOrder.Recordset.Fields("Member").Value = check
        adoOrder.Recordset.Update
        adoTemp.Recordset.MoveNext
        adoOrder.Refresh
    Wend
    adoOrder.RecordSource = "select * from OrderForm where OrderId = " &
txtOrder.Text & ""
    adoOrder.Refresh
    place = True
    With adotable
        .RecordSource = "select * from TableNumber where TableNo = " & txtTable.Text &
""
        .Refresh
        .Recordset.Fields("Sit").Value = place
        .Recordset.Update
    End With
End If

If adoTemp.Recordset.RecordCount <> 0 Then ' link ตาราง temp อยู่ clear สิ้นค้าเก่าก่อน
order ใหม่
    adoTemp.Recordset.MoveFirst
    While adoTemp.Recordset.EOF = False ' loop เพื่อ clear ค่าใน temp
        adoTemp.Recordset.Delete
    End While
End If

```

```

        adoTemp.Recordset.MoveNext
    Wend
End If
Unload Me
'frmMain.Show

End Sub

```

```

Private Sub dcbName_Change()
    adoFood.RecordSource = "select * from Food where FoodName = '" & dcbName.Text & "'"
    adoFood.Refresh
    txtFoodId.Text = adoFood.Recordset.Fields("FoodId").Value
    txtFName.Text = adoFood.Recordset.Fields("FoodName").Value
End Sub

```

```

Private Sub Form_Load()
    txtFoodId.Text = ""
    txtprice.Text = ""
    txtType.Text = "1"

    adoTemp.Refresh
    If adoTemp.Recordset.RecordCount <> 0 Then ' link ตาราง temp อยู่ clear สินค้าเก่าก่อน
        order ใหม่
        adoTemp.Recordset.MoveFirst
        While adoTemp.Recordset.EOF = False ' loop เพื่อ clear ค่าใน temp
            adoTemp.Recordset.Delete
            adoTemp.Recordset.MoveNext
        Wend
    End If

```

```

Dim lastID
Dim lastNum
adoOrder.Recordset.MoveLast

lastID = adoOrder.Recordset.Fields("OrderId").Value
lastID = Right(lastID, 5)
lastNum = Val(lastID)
lastNum = lastNum + 1
adoOrder.Recordset.AddNew
txtOrder.Text = "R" & Format(lastNum, "00000")

cmdSave.Enabled = False

'cmbType.SetFocus

```

End Sub

```
Private Sub txtQuantity_Change()  
txtTotal1.Text = Val(txtQuantity.Text) * Val(txtprice.Text)  
End Sub
```

```
Private Sub txtType_Change()  
adoFood.RecordSource = "select * from Food where TypeId = '" & txtType.Text & "'" & ""  
adoFood.Refresh  
End Sub
```



Table Form

```
Private Sub cmdTable_Click(Index As Integer)
Dim place As Boolean
Dim a As String
place = True

a = Index + 1
txtTable.Text = a

adoTable.RecordSource = "select * from TableNumber where TableNo = " &
txtTable.Text & ""
adoTable.Refresh

If adoTable.Recordset.Fields("Sit").Value = True Then
If MsgBox("มีคนนั่งอยู่ จะตั้งรายการอาหารเพิ่มหรือไม่", vbYesNo, "Warning") = vbYes Then
frmOrder.txtTable.Text = a
frmOrder.Show
Unload Me
Else: frmTable.Show
End If
Else
frmOrder.txtTable.Text = a

frmOrder.Show
Unload Me
End If
Exit Sub
frmOrder.txtTable.Text = a

frmOrder.Show
Unload Me
End Sub

Private Sub Form_Load()
Dim p As Integer
txtTable.Text = ""

p = 1
adoTable.RecordSource = "select * from TableNumber"
adoTable.Refresh

For i = 0 To adoTable.Recordset.RecordCount - 1
If adoTable.Recordset.Fields("Sit").Value = True Then
cmdTable(i).FontSize = "16"
cmdTable(i).FontBold = True
End If
adoTable.Recordset.MoveNext
Next
End Sub
```

Food List Form

```
Private Sub cmdExit_Click()  
MDIProject.Show  
Unload Me  
End Sub
```

```
Private Sub DataGrid1_DblClick()  
Dim ID As String  
Dim Name As String  
Dim Price As String
```

```
ID = adoFood.Recordset.Fields("FoodId").Value  
Name = adoFood.Recordset.Fields("FoodName").Value  
Price = adoFood.Recordset.Fields("Price").Value
```

```
frmOrder.txtFoodId.Text = ID  
frmOrder.txtFName.Text = Name  
frmOrder.txtprice.Text = Price
```

```
MDIProject.Enabled = True  
MDIProject.Show  
frmOrder.txtQuantity.SetFocus
```

```
Me.Hide  
Unload Me  
End Sub
```

```
Private Sub Form_Load()  
With adoFood  
    .RecordSource = "select * from Food where TypeID = '" & frmOrder.txtType.Text &  
    ""  
    .Refresh  
End With  
End Sub
```

Edit Order Form

```
Private Sub cmbTable_Click()  
adoOrder.RecordSource = "select * from OrderForm where TableNo = '" &  
cmbTable.Text & "'" &  
adoOrder.Refresh  
  
If adoOrder.Recordset.EOF <> 0 Then  
MsgBox "ไม่มีรายการ", vbOKOnly, "Warning"  
fmeCommand.Visible = True  
cmdEdit.Enabled = False  
cmdDel.Enabled = False  
Else  
MsgBox adoOrder.Recordset.RecordCount & " รายการ", vbOKOnly + vbInformation,  
"ผลของการค้นหา"  
Frame2.Visible = True  
fmeMove.Visible = True  
fmeCommand.Visible = True  
End If  
  
txtTable.Text = cmbTable.Text  
End Sub  
  
Private Sub Enable()  
cmdMoveFirst.Enabled = True  
cmdMovePrev.Enabled = True  
cmdMoveNext.Enabled = True  
cmdMoveLast.Enabled = True  
End Sub  
  
Private Sub cmdCancel_Click()  
Frame1.Visible = True  
Frame2.Visible = False  
txtQuantity.Locked = True  
cmdMoveFirst.Enabled = False  
cmdMovePrev.Enabled = False  
cmdMoveNext.Enabled = False  
cmdMoveLast.Enabled = False  
fmeSave.Visible = False  
  
cmdEdit.Enabled = False  
cmdDel.Enabled = False  
cmdClear.Enabled = False  
cmdExit.Enabled = True  
cmbTable.SetFocus  
End Sub  
  
Private Sub cmdClear_Click()  
adoOrder.RecordSource = "select * from OrderForm"
```



```
txtQuantity.Locked = True
End Sub
```

```
Private Sub cmdDel_Click()
If MsgBox("คุณแน่ใจที่จะลบรหัสสมาชิกนี้ ", vbYesNo, "ยืนยัน") = vbYes Then
    With adoOrder.Recordset
        .Delete
        .MoveNext
        If adoOrder.Recordset.EOF Then
            adoOrder.Recordset.MoveLast
        End If
    End With
End If
End Sub
```

```
Private Sub cmdEdit_Click()
adoOrder.Recordset.Update
txtQuantity.Locked = False
txtQuantity.SetFocus
cmdMoveFirst.Enabled = False
cmdMovePrev.Enabled = False
cmdMoveNext.Enabled = False
cmdMoveLast.Enabled = False

fmeSave.Visible = True

cmdEdit.Enabled = False
cmdDel.Enabled = False
Frame1.Visible = False
End Sub
```

```
Private Sub cmdExit_Click()
Unload Me
End Sub
```

```
Private Sub cmdMoveFirst_Click()
Call Enable
adoOrder.Recordset.MoveFirst
cmdMoveFirst.Enabled = False
cmdMovePrev.Enabled = False
End Sub
```

```
Private Sub cmdMoveLast_Click()
Call Enable
adoOrder.Recordset.MoveLast
cmdMoveLast.Enabled = False
cmdMoveNext.Enabled = False
End Sub
```

```
Private Sub cmdMoveNext_Click()
```

```

Call Enable
adoOrder.Recordset.MoveNext
If adoOrder.Recordset.EOF Then
    adoOrder.Recordset.MoveLast
    cmdMoveNext.Enabled = False
    cmdMoveLast.Enabled = False
End If
End Sub

```

```

Private Sub cmdMovePrev_Click()
Call Enable
adoOrder.Recordset.MovePrevious
If adoOrder.Recordset.BOF Then
    adoOrder.Recordset.MoveFirst
    cmdMoveFirst.Enabled = False
    cmdMovePrev.Enabled = False
End If
End Sub

```

```

Private Sub cmdOK_Click()

    cmdMoveFirst.Enabled = True
    cmdMovePrev.Enabled = True
    cmdMoveNext.Enabled = True
    cmdMoveLast.Enabled = True
fmeSave.Visible = False

cmdEdit.Enabled = True
cmdDel.Enabled = True
cmdClear.Enabled = True
cmdExit.Enabled = True

```

```

End Sub

```

```

Private Sub Form_Load()
txtQuantity.Locked = True
fmeSave.Visible = False
Frame2.Visible = False
fmeMove.Visible = False
fmeCommand.Visible = False
End Sub

```

```

Private Sub txtQuantity_Change()
txtTotal.Text = Val(txtQuantity.Text) * Val(txtPrice.Text)
End Sub

```

Bill Form

```
Private Sub cmbTable_Click()  
Dim mem As Boolean
```

```
adoOrder.RecordSource = "select * from OrderForm where TableNo = '" &  
cmbTable.Text & "'" &  
adoOrder.Refresh  
If adoOrder.Recordset.EOF <> 0 Then  
MsgBox "โต๊ะนี้ไม่มีรายการอาหารที่ลูกค้าสั่ง", vbOKOnly, "ผิดพลาด"  
Else
```

```
mem = adoOrder.Recordset.Fields("Member").Value
```

```
If mem = True Then
```

```
txtMember.Text = "Member"
```

```
cmdMem.Enabled = True
```

```
cmdNonMem.Enabled = False
```

```
cmdSave.Enabled = False
```

```
cmdExit.Enabled = False
```

```
cmdPrint.Enabled = False
```

```
Frame1.Visible = True
```

```
Frame3.Visible = True
```

```
Else
```

```
txtMember.Text = "Non-Member"
```

```
cmdNonMem.Enabled = True
```

```
cmdMem.Enabled = False
```

```
cmdSave.Enabled = False
```

```
cmdExit.Enabled = False
```

```
cmdPrint.Enabled = False
```

```
Frame1.Visible = True
```

```
Frame3.Visible = True
```

```
End If
```

```
DataList1.Visible = True
```

```
DataGrid1.Visible = True
```

```
txtTable.Text = cmbTable.Text
```

```
End If
```

```
cmdexit1.Visible = True
```

```
End Sub
```

```
Private Sub cmdExit_Click()
```

```
adoTable.RecordSource = "select * from TableNumber where TableNo = '" &  
txtTable.Text & "'" &
```

```
adoTable.Refresh
```

```
adoTable.Recordset.Fields("Sit").Value = False
```

```
adoTable.Recordset.Update
```

```
adoTable.RecordSource = "select * from TableNumber"
```

adoTable.Refresh

```
adoInvoice.Recordset.Fields("InvoiceId").Value = txtInvoice.Text
adoInvoice.Recordset.Fields("TableNo").Value = txtTable.Text
adoInvoice.Recordset.Fields("InvDate").Value = txtDate.Text
adoInvoice.Recordset.Fields("Gtotal").Value = txtGTotal.Text
adoInvoice.Recordset.Fields("InvTime").Value = txtTime.Text
adoInvoice.Recordset.Update
```

```
adoInvoice.RecordSource = "select * from Invoice"
adoInvoice.Refresh
```

Unload Me
End Sub

```
Private Sub cmdexit1_Click()
Unload Me
End Sub
```

```
Private Sub cmdMem_Click()
Dim amount As Single, vatt As Single
Dim vat As Single
Dim gtotal As Single
Dim discount As Single
Dim dis As Single
Dim total As Single
'vat = 0.07
discount = 0.1
adoOrder.RecordSource = "select * from OrderForm where TableNo = " &
cmbTable.Text & ""
adoOrder.Refresh
adoOrder.Recordset.MoveFirst
While adoOrder.Recordset.EOF = False
    amount = amount + adoOrder.Recordset.Fields("SubTotal").Value
    txtTotal.Text = amount
    adoOrder.Recordset.MoveNext
Wend
'End If
dis = Val(txtTotal.Text) * discount
txtDiscount.Text = dis
txtDiscount.Text = Format$(dis, "00.00")
txtTotal.Text = Format$(txtTotal.Text, "00.00")
gtotal = Val(txtTotal.Text) - Val(txtDiscount.Text)
txtNetTotal.Text = gtotal
txtNetTotal.Text = Format$(txtNetTotal.Text, "00.00")
vatt = gtotal * 0.1
total = gtotal + vatt
txtService.Text = Format$(vatt, "00.00")
txtGTotal.Text = total
txtGTotal.Text = Format$(txtGTotal, "00.00")
```

```

'cmdSave.Enabled = True
cmdMem.Enabled = False
Call cmdSave_Click
End Sub

```

```

Private Sub cmdNonMem_Click()
Dim amount As Single
Dim vat As Single
Dim gtotal As Single
'vat = 0.07
adoOrder.RecordSource = "select * from OrderForm where TableNo = '" &
cmbTable.Text & "'"
adoOrder.Refresh
adoOrder.Recordset.MoveFirst
While adoOrder.Recordset.EOF = False
    amount = amount + adoOrder.Recordset.Fields("SubTotal").Value
    txtTotal.Text = amount
    adoOrder.Recordset.MoveNext
Wend

gtotal = (Val(txtTotal.Text) * 0.1) + Val(txtTotal.Text)
txtService.Text = Val(txtTotal.Text) * 0.1
txtService.Text = Format$(txtService.Text, "00.00")
txtTotal.Text = Format$(txtTotal.Text, "00.00")
txtDiscount.Text = Format$(txtDiscount.Text, "00.00")
txtNetTotal.Text = Val(txtTotal.Text)
txtNetTotal.Text = Format$(txtNetTotal.Text, "00.00")
txtGTotal.Text = gtotal
txtGTotal.Text = Format$(txtGTotal.Text, "00.00")
txtDiscount.Text = 0
cmdSave.Enabled = True
cmdPrint.Enabled = True
cmdNonMem.Enabled = False
Call cmdSave_Click
End Sub

```

```

Private Sub cmdPrint_Click()
DataEnvironment1.cmdBill txtBill.Text
ReportBill.Show

```

```

adoOrder.RecordSource = "select * from Order where TableNo = '" & cmbTable.Text
& "'"
adoOrder.Refresh

```

```

If adoOrder.Recordset.RecordCount <> 0 Then
    adoOrder.Recordset.MoveFirst
    While adoOrder.Recordset.EOF = False ' loop เพื่อ clear ค่าใน temp
        adoOrder.Recordset.Delete
        adoOrder.Recordset.MoveNext
    Wend

```


End If

```
cmdExit.Visible = True
cmdexit1.Visible = False
End Sub
```

```
Private Sub cmdSave_Click()
Dim tmpId As String
tmpId = txtBill.Text
adoOrder.RecordSource = "select * from OrderForm where TableNo = " &
cmbTable.Text & ""
adoOrder.Refresh
adoOrder.Recordset.MoveFirst
    adoBill.Recordset.AddNew
    adoBill.Recordset.Fields("BillID").Value = txtBill.Text
    adoBill.Recordset.Fields("TableNo").Value = txtTable.Text
    adoBill.Recordset.Fields("Total").Value = txtTotal.Text
    adoBill.Recordset.Fields("Discount").Value = txtDiscount.Text
    adoBill.Recordset.Fields("Service").Value = txtService.Text
    adoBill.Recordset.Fields("Gtotal").Value = txtGTotal.Text
    adoBill.Recordset.Update

    While adoOrder.Recordset.EOF = False
        adoBillDetail.Recordset.AddNew
        adoBillDetail.Recordset.Fields("BillId").Value = tmpId
        adoBillDetail.Recordset.Fields("FoodId").Value =
adoOrder.Recordset.Fields("FoodId").Value
        adoBillDetail.Recordset.Fields("FoodName").Value =
adoOrder.Recordset.Fields("FoodName").Value
        adoBillDetail.Recordset.Fields("Quantity").Value =
adoOrder.Recordset.Fields("Quantity").Value
        adoBillDetail.Recordset.Fields("Price").Value =
adoOrder.Recordset.Fields("Price").Value
        adoBillDetail.Recordset.Fields("Subtotal").Value =
adoOrder.Recordset.Fields("Subtotal").Value
        adoBillDetail.Recordset.Update
        adoOrder.Recordset.MoveNext
    Wend
cmdSave.Enabled = True
cmdExit.Enabled = True
cmdPrint.Enabled = True

adoBill.RecordSource = "select * from Bill"
adoBill.Refresh
End Sub
```

```
Private Sub DataList1_Click()
```



```

adoOrder.RecordSource = "select * from OrderForm where OrderId = '" &
DataList1.Text & "'"
adoOrder.Refresh
End Sub

```

```

Private Sub Form_Load()
Dim tmpId As String
cmdPrint.Enabled = True
txtDate.Text = Format$(Date, "d/m/yyyy")
Dim lastID
Dim lastNum
adoInvoice.Recordset.MoveLast

```

```

lastID = adoInvoice.Recordset.Fields("InvoiceId").Value
lastID = Right(lastID, 5)
lastNum = Val(lastID)
lastNum = lastNum + 1
adoInvoice.Recordset.AddNew
txtInvoice.Text = "I" & Format(lastNum, "00000")
tmpId = txtInvoice.Text
txtBill.Text = "B" & Format(lastNum, "00000")

```

```

Frame1.Visible = False
Frame3.Visible = False

```

```

cmdMem.Enabled = False
cmdNonMem.Enabled = False
cmdPrint.Enabled = False
cmdExit.Visible = False
cmdexit1.Visible = True

```

```

End Sub

```

```

Private Sub Frame1_Click()
MsgBox "please go to click table number", vbOKOnly, "warning"
End Sub

```

```

Private Sub Timer1_Timer()
txtTime.Text = Time
End Sub

```

Admin Form

```
Private Sub cmdCancel_Click()
    Call ClearText
    Unload Me
    MDIProject.Enabled = True
End Sub

Private Sub cmdOK_Click()
    If txtUser.Text = "" Then
        MsgBox "กรุณาใส่ Username ด้วย", vbOKOnly, "Mistake"
        txtUser.SetFocus
    ElseIf txtPassword.Text = "" Then
        MsgBox "กรุณาใส่ Password ด้วย", vbOKOnly, "Mistake"
        txtPassword.SetFocus
    ElseIf txtNewPass.Text = "" Then
        MsgBox "กรุณาใส่ New Password ด้วย", vbOKOnly, "Mistake"
        txtNewPass.SetFocus
    ElseIf txtConfirm.Text = "" Then
        MsgBox "กรุณาใส่ Confirm New Password ด้วย", vbOKOnly, "Mistake"
        txtConfirm.SetFocus
    End If
    adoAdmin.RecordSource = "select * from admin"
    adoAdmin.Refresh

    If txtUser.Text <> adoAdmin.Recordset.Fields("Username").Value Then
        MsgBox "ไม่มี Username ในฐานข้อมูล", vbOKOnly, "Warning"
        Call ClearText
        txtUser.SetFocus
    ElseIf txtPassword.Text <> adoAdmin.Recordset.Fields("Password").Value Then
        MsgBox "ใส่รหัสผิดพลาด", vbOKOnly, "Warning"
        txtPassword.Text = ""
        txtPassword.SetFocus
    ElseIf txtNewPass.Text <> txtConfirm.Text Then
        MsgBox "รหัสผ่านใหม่ ไม่เหมือนกัน", vbOKOnly, "Warning"
        txtNewPass.Text = ""
        txtConfirm.Text = ""
        txtNewPass.SetFocus
    Else
        adoAdmin.Recordset.Fields("Password").Value = txtNewPass.Text
        adoAdmin.Recordset.Update
        adoAdmin.Refresh
        MDIProject.Enabled = True
        MDIProject.Show
        Me.Hide
        Unload Me
    End If
End Sub
```

```
Private Sub ClearText()  
txtUser.Text = ""  
txtPassword.Text = ""  
txtNewPass.Text = ""  
txtConfirm.Text = ""  
End Sub
```

```
Private Sub Form_Load()  
Call ClearText  
MDIProject.Enabled = False  
End Sub
```



```

DataEnvironment1.rscmdIncome.Close
End If
DataEnvironment1.cmdIncome a, b
ReportIncome.Show
Unload Me
MDIProject.Show
'frmMainReport.Show
End Sub

```

```

Private Sub cmdPrint1_Click()
ReportMemAll.Show
Unload Me
End Sub

```

```

Private Sub cmdPrint2_Click()
adoMember.RecordSource = "select * from Member where BirthMonth = " &
Text7.Text & ""

```

```

adoMember.Refresh

```

```

If adoMember.Recordset.RecordCount <> 0 Then
DataEnvironment1.cmdBirth Text7.Text
ReportBirth.Show
Unload Me
MDIProject.Show
Else
MsgBox "ไม่มีรายงานของเดือนนี้", vbOKOnly, "ข้อผิดพลาด"
cmbExpire.SetFocus
End If
End Sub

```

```

Private Sub cmdPrint3_Click()
Dim c, d As String

```

```

adoMember.RecordSource = "select * from Member where ExpireDate between #" & a
& "# and #" & b & "#"

```

```

adoMember.Refresh

```

```

If adoMember.Recordset.RecordCount <> 0 Then
DataEnvironment1.cmdExpire Text5.Text, Text6.Text
ReportExpire.Show
Unload Me
MDIProject.Show
End If
MsgBox "ไม่มีรายงานของเดือนนี้", vbOKOnly, "ข้อผิดพลาด"
cmbExpire.SetFocus

```

```

End Sub

```

```
Private Sub cmdPrint4_Click()
adoIncome.RecordSource = "select * from Invoice where InvDate between #" & a & "#
and #" & b & "#"
adoIncome.Refresh
```

```
If adoMember.Recordset.RecordCount <> 0 Then
DataEnvironment1.cmdIncome Text9.Text, Text10.Text
ReportIncome.Show
Unload Me
MDIProject.Show
End If
MsgBox "ไม่มีรายงานของเดือนนี้", vbOKOnly, "ข้อผิดพลาด"
cmbExpire.SetFocus
End Sub
```

```
Private Sub Form_Load()
a = Format$(Date, "d/m/yyyy")
b = Format$(Date, "d/m/yyyy")
```

```
cmbBirth.Visible = False
cmbExpire.Visible = False
cmbMonth.Visible = False
cmbYear.Visible = False
cmdPrint1.Visible = False
cmdPrint2.Visible = False
cmdPrint3.Visible = False
End Sub
```

```
Private Sub optAll_Click()
cmdPrint1.Visible = True
cmbExpire.Visible = False
cmbBirth.Visible = False
End Sub
```

```
Private Sub optBirth_Click()
cmdPrint2.Visible = True
cmbExpire.Visible = False
cmbBirth.Visible = True
Text2.Text = Format$(Date, "yyyy")
Text2.Visible = True
Text3.Visible = False
If optBirth.Value = True Then
If cmbBirth.Text = "มกราคม" Then
txttoday.Text = Month("1/1/2544")
End If
End If
End Sub
```

```

Private Sub optExpire_Click()
cmdPrint3.Visible = True
cmbBirth.Visible = False
cmbExpire.Visible = True
Text3.Text = Format$(Date, "yyyy")
Text3.Visible = True
Text2.Visible = False
If optExpire.Value = True Then
If cmbExpire.Text = "มกราคม" Then
txttoday.Text = Month("1/1/2544")
End If
End If
End Sub

```

```

Private Sub optMonth_Click()
cmdPrint4.Visible = True
cmdPrint.Visible = False
cmbMonth.Visible = True
cmbMonth.Enabled = False
Label1.Visible = True
Label2.Visible = True
cmbYear.Visible = True
If optMonth.Value = True Then
If cmbMonth.Text = "มกราคม" Then
txttoday.Text = Month("1/1/2544")
End If
End If
End Sub

```

```

Private Sub optToday_Click()
cmdPrint4.Visible = False
cmdPrint.Visible = True
cmbMonth.Visible = False
a = Format$(Date, "d/m/yyyy")
b = Format$(Date, "d/m/yyyy")
End Sub

```


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