

Practical Development of Information System in Business Context: Production System for S.G. Artistry Co., Ltd.

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Submitted in Partial Fulfillment of the Course BC 4500 280 Hour Training Program Bachelor's Degree of Business Administration in Business Computer Program Assumption University

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Production System of S.C. Artistry Co., Ltd.Intern:Mr. Chaivut Thaiyatham

Advisor: A.Krisee Vipulakom

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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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I. INTRODUCTION

1.1 Background of the organization

S.C. Artistry locate at 59 Petburi Rd. Payathai Bangkok 10450 and Telephone is 02-3430190

S.C. Artistry Co.,Ltd. is one of the largest and most promising manufactures and exporters in hair and skincare line carrying brand logo " Lolane". With thorough knowledge in beauty philosophy and salon experiences for almost three decades, their technician and expertise are perfectly trained to ensure top quality of selective products in full range. They have brought high technology to develop the manufacturing process.



Figure 1-2 Department Chart

1.2 Objectives of the System

- 1. To study the existing system for the understanding on the current operation.
- 2. To analyze the causes of problem 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 know immediately when they have to purchase their stock because that item is closely out of stock.
- 6. To change the database to be a computer system so it will reduce a lot of paperwork in the company.
- 7. To make systematic documentation for future reference.

1.3 Scope of the System

- 1. To add, edit finish goods and raw material
- 2. To calculate material from formula to produce.
- 3. To check raw material which not enough to produce.
- 4. Create production, lack raw material report to manager.
- 5. Use FIFO to manage raw material in stock.

1.4 Project Plan

No	Task Name		August Septer			ember	ſ	October				November						
190.				2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
	I. Analysis of the Existing System								ļ									
1.		Study the Existing System X X																
2.		Identify the Existing Problems	lems X X															
3.		Existing Data Flow Diagram X																
	II.	Preliminary Investigation	X,		7													
4.		Define the objectives and scope				X												
5.		Hardware Requirements					X											
6.	Software Requirements X																	
	III.	III. Analysis and Design of the Proposed System																
7.	Entity-Relationship Diagram																	
8.	Database Design																	
9.	Data Flow Diagram																	
10.	Process Specification X																	
11.	Data Dictionary																	
12.	Interface Design																	
13.	Report Design X X																	
	IV. Implementation of the Proposed System																	
14.		Coding 🔆	IA				*			X	X	Χ	Χ	X	X	X	X	
15.		Testing	10	60		10	,						Х	X	X	Χ	X	Χ
16.		Documentation	0		295	S.s.	2											X
L		*ทยาล	212	6	610										agang dik likt dan angga ki			

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Figure 1-3 Project Plan for Lolane Production System

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II. THE EXISTING SYSTEM

2.1 Background of Existing System

On the existing system, Staff will provide the information of production. Staff will handle the receive order, purchase raw material and production. Staff will check stock in paper and have list of finish goods id to find finish goods name.



Figure 2-1 Context Diagram of Existing System

2.2 **Problem Definition**

(1) Data are not centralize

The existing system doesn't have the central database to keep the real time information. Each department has to maintain their data by themselves, so it cause the data are not update to each other.

(2) Information in actual inventory not matching the inventory record

The most of work in production at this company are done manually and all documents are generated manually too. The company has been encountered with the problem of actual inventory not matching the inventory record. This problem is caused by human errors in stock checking recording.

(3) No efficient tracking system for the quantity order and stock

There is no efficient tracking system for the quantity ordered, quantity in stock, price per item, which result in an inefficient use of financial resources. Either, company does not have a proper system to signal low inventory. And difficulties in Retrieving Information, which this problem is rooted from the difficulty in searching for documents. It takes a long time to search for documents given to large amount of document and misplacing of information

III. THE PROPOSED SYSTEM

3.1 System Specification

(3) Hardware Requirement

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Table 3-1 Hardware Requirements

HARDWARE	SPECIFICATION
СРИ	PENTIUM II 200 MHz
RAM	64 MB (Recommend 128)
Hard disk	60 MB

The purposed system requires one large free space because the system has store large information and should have a higher speed too.

(2) Software Requirements

1 able 3-2 Sonware Requirement	Table 3-2	Software Reg	uirements
--------------------------------	-----------	--------------	-----------

SOFTWARE	SPECIFICATION
Operating System	Microsoft Windows 98
Application	1. Microsoft Office 2000
	2. McAFee Anit Virus
	3. Crystal Report 8. 5

The proposed system require a Microsoft Office 2000 because the system use Microsoft Access as database and require McAFee Anti Virus because the system need to have program to protect the system.



3.2 System Design

(1) Data Flow Diagram





Figure 3-2 Data Flow Diagram – Level 0













Figure 3-8 Entity-Relationship Diagrams

(3) Database Design

Table: FG, it creates for keeping data to name, capacity and status of goods to sell.

Table: Production, it creates for keep data to produce goods.

Table: ForMu, it creates for keep formula of each goods.

Table: InvItem, it creates for keep raw materials that purchase from supplier.

Table: Invoice, it keeps total price, discount, vat and date that purchase from supplier.

Table: Mat, it creates for keeping description of raw material.

Table: MatType, it keeps status of raw material.

Table: Measure, it keeps measure of whole system.

Table: ORD, it creates to keeping order that manager order to produce.

 Table: ORDItem, it keeps information of finish goods that manager order to produce.

Table: Sup, it creates to keep information of supplier such as address, telephone and fax.

Table: Tank, it creates to keep data of each tank.

Table: Temp, it creates to keep sequence of produce.

Table: User, it keep personal information of user such as username and

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(4) Process Specific

Table 3-3Process Specifications for Process 1.0

Process Name	1.0 Receive Order
Data In	(1) Order Information
	(2) Finish goods information
Data Out	(1) Finish goods information
	(2) Order Information
	(1) Get order data and assign new order id
Process :	(2) Handle Finish goods
4	(3) Keep order data
Attachment	(1) Officer
	(2) Data Store D1
9	(3) Data Store D2
Ξ,	(4) Process 2.0
5 2	AND

Table 3-4 Process Specifications for Process 1.1

Process Name	1.1 Receive Order
	SINCE1969
Data In	(1) Order Information
	(2) Finish goods Information
Data Out	(1) Order Information
Process :	(1) Receive order
	(2) Keep order
Attachment	(1) Officer
	(2) Data Store D1

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Table 3-5 Process Specifications for Process 1.2

Process Name	1.2 Handle Order
Data In	(1) Order information
Data Out	(1) Finish goods information
Process :	(1) Collect Order information
Attachment	(1) Data Store D2
	(2) Process 2.0

Table 3-6Process Specifications for Process 2.0

Process Name	2.0 Prepare Production
11	
Data In	(1) Raw materials information
N N	(2) Tank status information
)	(3) Formula information
Data Out	R (1) Check Formula
S.	(2) Raw material information
-	(3) Tank status information
\ast	(4) Production information
	(1) Get request raw material information
	(2) Check require raw material
Process :	(3) Check raw material is enough to produce
	(4) Check tank available
	(5) Keep Production information
Attachment :	(1) Data Store D3
	(2) Data Store D4
	(3) Data Store D5
	(4) Data Store D6

Table 3-7 Process Specifications for Process 2.1

Process Name	2.1 Check Raw Material
Data In	(1) Raw material amount
	(2) Formula information
	(3) Order information
Data Out	(1) Raw material information
	(2) Finish goods information
	(3) Produce amount of RM
Process :	(1) Receive order item
	(2) Check formula
4	(3) Check raw material
Attachment	(1) Data Store D3
	(2) Data Store D4
2	(3) Process 1.0

Table 3-8 Process Specifications for Process 2.2

Process Name	2.2 Prepare Production
*	OMNIA *
Data In	(1) Produce amount of raw material
	(2) Tank status
Data Out	(1) Production information
	(2) Check tank information
Process :	(1) Update tank information
	(2) Prepare production
Attachment	(1) Data Store D6
	(2) Data Store D5

Table 3-9	Process	Specifications	for	Process	3.0)
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Process Name	3.0 Receive Raw Material
Data In	(1) Supplier information
	(2) Invoice information
Data Out	(1) Update raw material amount
	(2) Raw material information
Process :	(1) Get amount of raw material
	(2) Check supplier and update raw material amount
Attachment :	(1) Data Store D7
	(2) Data Store D8
2	(3) Purchase Department
5	(4) Data Store D4

 Table 3-10
 Process Specification for Process 3.1

D	
Process Name	3.1 Receive Raw Material Information
Data In	(1) Raw material amount information
*	(2) Supplier information
Data Out	(1) Collect invoice information
Process :	(1) Receive raw material information
	(2) Update raw material amount
Attachment	(1) Purchase Department
	(2) Data Store D8

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Table 3-11 Process Specification for Process 3.2

Process Name	3.2 Update Raw Material Information
Data In	(1) Raw material amount
Data Out	(1) Update raw material amount
Process :	(1) Update raw material
Attachment	(1) Data Store D4
	(2) Data Store D7

Table 3-12 Process Specification for Process 4.0

Process Name	4.0 Prepare Report
Data In	(1) Invoice information
D	(2) Raw material information
S	(3) Finish goods information
S	(4) Production information
6	(5) Request report
Data Out 🛛 🚿	(1) Report information
Process	(1) Get finish goods, order, raw material, production
	information
	(2) Send report to manager
Attachment	(1) Data Store D1
	(2) Data Store D4
	(3) Data Store D6
	(4) Data Store D7
	(5) Manager

Table 3-13Process Specification for Process 4.1

Process Name	4.1 Receive Request Report
Data In	(1) Request report(2) Accept/Reject
Data Out	(1) Confirm password(2) Request report
Process :	(1) Receive personal data(2) Check to accept or reject
Attachment	(1) Manager(2) Data Store D9

Table 3-14

Process Specification for Process 4.2

Process Name	4.2 Prepare Report
D	
Data In	(1) Request report
	(2) Finish goods information
-	(3) Invoice information VINCIT
*	(4) Production information
	(5) Raw material information
Data Out	(1) Report information
Process :	(1) Receive request report
	(2) Prepare report
Attachment	(1) Manager
	(2) Data Store D1
	(3) Date Store D4
	(4) Data Store D6
	(5) Data Store D7

Table 3-15 Process Specification for Process 5.0

Process Name	5.0 Handle Production Information
Data In	(1) Manager information
	(2) Accept/Reject information
Data Out	(1) Username and Password
	(2) Finish goods information
	(3) Raw material information
	(4) Formula information
	(5) Tank information
	(6) Supplier information
Process :	(1) Get necessary information from manager
	(2) Check password
	(3) Add, edit and delete finish goods, raw material, tank,
	formuia and formuia
Attacinnem :	(i) Data Store Di
5	(2) Data Store D4
S	(3) Data Store D3
S	(4) Data Store D9
	(5) Data Store D5
*	(6) Data Store D8
C	(7) Manager E 1969
	้ 3ทยาลัยอัสสิช

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Table 3-16	Process Specification for Process 5.1	
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Process Name	5.1 Accept Manager Information
Data In	(1) Request modify
	(2) Accept/Reject
Data Out	(1) Confirm password
	(2) Request add
	(3) Request edit
	(4) Request delete
Process :	(1) receive personal data
	(2) accept/reject
Attachment	(1) Manager
0	(2) Data Store D9

 Table 3-17
 Process Specification for Process 5.2

S	Stranger and Standard
Process Name	5.2 Add Information
*	OMNIA *
Data In	(1) Request add
	^{7ว} ทยาลัยอัสสี ³³⁵
Data Out	(1) Add finish goods
	(2) Add raw material
	(3) Add formula
	(4) Add tank
	(5) Add supplier
Process :	(1) Receive request
	(2) Add information
Attachment	(1) Data Store D1
	(2) Data Store D5

(3) Data Store D4	
(4) Data Store D3	
(5) Data Store D8	

Table 3-18 Process Specification for Process 5.3

Process Name	5.3 Edit Information
Data I	
Data In	(1) Request edit
	NIVERS/>
Data Out	(1) Edit user
6	(2) Edit Formula
0	(3) Edit raw material
L.	(4) Edit finish goods
9	(5) Edit supplier
Process :	(1) Change password of user
D	(2) Change formula information
S	(3) Change raw material information
S	(4) Change supplier information
-	(5) Change finish goods information
Attachment *	(1) Data Store D9
	(2) Data Store D1
	(3) Data Store D4
	(4) Data Store D3
	(5) Data Store D8

Table 3-19 Process Specification for Process 5.4

Process Name	5.3 Erase Information	
Data In	(2) Request delete	
Data Out	(1) Delete user	
	(2) Delete supplier	
	(3) Delete tank	
Process :	(6) Delete user	
	(7) Delete supplier	
	(8) Delete tank	
Attachment	(1) Data Store D9	
6	(2) Data Store D5	
L.	(3) Data Store D8	
2		



(5) Data Dictionary

Field Name	Meaning
Address	Address of supplier
Amount available	Amount of raw material that available to use
Amount of purchase	Amount of raw material that we purchase
Amount use	Amount of raw material which we use
Available	Remain of raw material
Capacity of FG	Capacity of finish goods per unit
Capacity of tank	Capacity of tank per tank
Contact person	Person who contact with supplier
Date of invoice	Date on which we get raw material
Description of measure	Specific or measurement
Discount of invoice	Amount of discount in invoice
Due date	Date in production
Email San	Email of supplier
Fax S	Fax of supplier
Finish goods Id.	Identified number of finish goods
Finish amount	Amount of finish goods
Finish goods Name	Name of finish goods
Invoice form id 📩	Specified number of invoice form
Invoice item id	Specified number of invoice item
Measure Fg Id.	Measure of finish goods
Minimum of RM	Amount of raw material which not less than
Net total of invoice	Total price of invoice
Order form Id.	Specified number of order form
Order item Id.	Specified number of order item form
Password	Personal information to access system
Price of raw material	Price of raw material
Production date	Date in production
Production Id.	Specified number of production form
Raw material id	Specified number of raw material

 Table 3-20
 Data Dictionary of Production System Database
Raw material name	Name of raw material
Raw material type description	Description of raw material
Raw material type id	Specified number of raw material type
Receive date	Date on receive order
Response person	Person who response order
Status of FG	Status of finish goods
Status of order	Status of order
Status of tank	Status of tank
Supplier id	Specified number of supplier
Supplier name	Name of supplier
Tank id.	Specified number of tank
Telephone	Telephone of supplier
Total of invoice	Total price of invoice
Total of price RM	Total price of raw material
Usage	Number of usage which use in formula
Use amount	Number of raw material use
User	Login name
Vat of invoice	Tax of invoice
SSA BROTHERS OF LABOR & 21297391216	VINCIT NIA E 1969 E 1969

(6) Interface Design

Login: for protect antiauthority.

Main Menu: Main menu for select.

Adds New User: for add user.

Change Password: for user want to change password.

Delete user: for manager to delete some user.

Purchase raw material: for receive raw material from invoice.

Receive order: for receive order to produce.

Production: for select order to produce.

Clear tank: for prepare to produce.

Material type: for add new type of material.

Measurement: for add new measure.

Supplier: for manage supplier to purchase raw material.

Finish goods: for add finish goods.

Formula: for assign formulas of finish goods.

Raw material: for add new raw material.

Tank: for add tank to use.

* 2129739

Check raw material: for check and print raw material that not enough.

Production report: for print production report.

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(7) Report Design

<u>Finish goods List</u>: is the record of the all finish goods in the company that the company produced.

<u>Raw material List</u>: is the list of all raw material that the company use to produce in all finish goods.

<u>Check raw material</u>: is the list for show raw material that raw material less than the company set.

<u>Production report</u>: is the report of production, it can search by order or by date. The report will list to report to manager.



IV. SYSTME IMPLEMENTATION

4.1 Overview of the System Implementation

The new system will implement along with the old system at first phase. After that, the new system will operate independent module by module. The less important module will be operating first and the old system that used to operate this new module task will be release out from the system. The new system will run old system with new system at first phase because some information need to finish first but some information no need and in database should fill important information such as finish goods, raw material and formula.

4.2 Test Plan

The new system will be test continuously when the implement to the system. We plan to test the data by use real data from the old system in the not important module. For the important module like order, production and purchase, we will use the sample data which we will retrieve the get the old data and copy directly to the database and we will operate this all data through the new system. Before the new system will full function operate, the new data will be test with the new system.

V. CONCLUSION AND RECOMMENDATION

5.1 Conclusions

After the new system fully function operate, it will reduce the time in production process. The officer can be printing out all necessary for production easily; the manager will get all information to make decision. The data that kept in the system will be centralize each information are always update and ready to present to the users. Manager can take advantage from the system like the can view record for each production by himself.

5.2 Recommendations

The new system will operate well with in high performance hardware; we should use the highest hardware as possible for performance of the system. Database server may require a lot of storage space if there are many transaction in the future so we should have a plan for back up unimportant or old data to make the server storage available all the time. The important data also need to be back up to prevent the lost of data or unexpected situation like hacker or virus or system crash. In the future the company can use bar code to scan finish goods and raw material to access in computer directly and can help the company to reduce the time in production process. And all of the company have many department, so the system may be use with another program to control inventory, purchasing, selling and managing.

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No.	Field Name	Field Type	Index	Unique	Nullable	Foreign Key	Check	Кеу Туре
1.	Finish goods Id.	Text(10)	Y	Y		Order item,		Primary Key
						Formula		
2.	Finish goods Name	Text				· · · · · · · · · · · · · · · · · · ·		Attribute
3.	Measure FG Id.	Text			E D o			Attribute
4.	Status of FG	Text		NV	EKS	76		Attribute
5.	Capacity of FG	Integer				0.		Attribute

Table A-2Order form Table

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						P P		
No.	Field Name	Field Type	Index	Unique	Nullable	Foreign Key	Check	Кеу Туре
1.	Order form Id	Text(10)	Y	Y		Production,		Primary Key
		S		CRSOF	21 51	orderitem		
2.	Response person	Text	LA	BOR	Y	INCIT		Attribute
3.	Receive date	Date	*	0	MNIA	*	mm/dd/yy	Attribute
4.	Due date	Date	V2g.	SIN	CE1969	× 19163	mm/dd/yy	Attribute
5.	Status of order	Text		งทยา	ลัยอัล	610		Attribute

No.	Field Name	Field Type	Index	Unique	Nullable	Foreign Key	Check	Кеу Туре
1.	Finish goods Id.	Text						Foreign Key
2.	Raw material Id	Text						Foreign Key
3.	Usage	Integer						Attribute

WNIVERSITY

Table A-4Order item Table

No.	Field Name	Field Type	Index	Unique	Nullable	Foreign Key	Check	Кеу Туре
1.	Order item Id.	Text	Y	Y		$NP \leq$		Primary Key
2.	Order Id.	Text	- Jak			MER =		Foreign Key
3.	FG Id.	Text			DS			Foreign Key
4.	Amount	integer	BRO	HERS		ABRIEL		Attribute



No.	Field Name	Field Type	Index	Unique	Nullable	Foreign Key	Check	Кеу Туре
1.	FGLot Id.	Text	Y	Y	1			Primary Key
2.	FG Id.	Text						Foreign Key
3.	Finish amount	Integer						Attribute
4.	Use amount	Integer			EDO			Attribute
5.	Available	Integer		NIT	ERS	72		Attribute
6.	Production date	Date				0.		Attribute
7.	Tank Id.	Text		125				Attribute

Table A-6Invoice Table

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No.	Field Name	Field Type	Index	Unique	Nullable	Foreign Key	Check	Кеу Туре
1.	Invoice Id.	Text	Y	Y	DS	Invoice item		Primary Key
2.	Supplier Id.	Text	BRO	HERS		ABRIEL		Foreign Key
3.	Date	Date					mm/dd/yy	Attribute
4.	Total	Integer	LA	BOR	25	INCI		Attribute
5.	Discount	Integer	20	SING	E 1060	20		Attribute
6.	Vat	Integer	97	วิของ	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	531900		Attribute
7.	Net total	Integer		ושי	92101 or			Attribute

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Table A-7 Raw material type Table

No.	Field Name	Field Type	Index	Unique	Nullable	Foreign Key	Check	Кеу Туре
1.	Type Id.	Text	Y	Y				Primary Key
2.	Description	Text						Attribute

Table A-8Raw material Table

Table A-8 Raw material Table									
No.	Field Name	Field Type	Index	Unique	Nullable	Foreign Key	Check	Кеу Туре	
1.	Raw material Id.	Text	Y	Y		Formula, Invoice		Primary Key	
2.	Raw material Name	Text				N/ Z		Attribute	
3.	Raw material type Id.	Text) Sat			IN BAL		Foreign Key	
4.	Price	Integer						Attribute	
5.	Minimum	Integer	BRO	THERO		ABRIEL		Attribute	



No.	Field Name	Field Type	Index	Unique	Nullable	Foreign Key	Check	Кеу Туре
1.	Supplier Id.	Text	Y	Y		Invoice	-	Primary Key
2.	Supplier Name	Text			•			Attribute
3.	Address	Text			•	<u>.</u>		Attribute
4.	Telephone	Text			PY			Attribute
5.	Fax	Text		NI.	Y	Tr		Attribute
6.	Email	Text			Y	0		Attribute
7.	Contact person	Text	5	045	Y	5		Attribute
Tabl	e A 10 User Toble	1 PT	4			St IIA		
1 a01	CA-IU USCI I ADIE					E AL		

.

No.	Field Name	Field Type	Index	Unique	Nullable	Foreign Key	Check	Кеу Туре
1.	User	Text	Y	Y		6	8 character	Attribute
2.	Password	Text		BOR	Y S	INCIT	8 character	Attribute
3.	Status	Text	20	<u>e i ni</u>	TE 1969	~ ~ . · · ·		Attribute
			9.	าวิทยา	ลัยอัส	ລັ ^{ຊງໃນ} .		

No.	Field Name	Field Type	Index	Unique	Nullable	Foreign Key	Check	Кеу Туре
1.	Tank Id.	Text	Y	Y			2 digits	Primary Key
2.	Capacity	Integer						Attribute
3.	Status	Text						Attribute

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Table A-12Invoice items Table

No.	Field Name	Field Type	Index	Unique	Nullable	Foreign Key	Check	Кеу Туре
1.	Invoice form Id.	Text				MA Z		Foreign Key
2.	Invoice item Id.	Text	Y	Y		Then =		Primary Key
3.	Raw material Id.	text			DS			Foreign Key
4.	Price	Integer	BRO	HERO		ABRIEL		Attribute
5.	Amount	Integer			A P	6		Attribute
6.	Total	Integer	LA	SOR		INCIT		Attribute
7.	Amount Use	Integer	2	0	HNIA C	~ ~ ~		Attribute
8.	Amount Available	Integer	197	392010	CE1969	5212105		Attribute
L	_l			- <u>""</u> "	ลยอด			

Table A-13 Measurement Table

No.	Field Name	Field Type	Index	Unique	Nullable	Foreign Key	Check	Кеу Туре
1.	Measure Id.	Text	Y	Y				Primary Key
2.	Description	Text						Attribute

Table A-14Production Temp Table

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Table	A-14 Production Ten	np Table	U	NIV	ERS	TY O.		
No.	Field Name	Field Type	Index	Unique	Nullable	Foreign Key	Check	Кеу Туре
1.	Production Id.	Text						Foreign Key
2.	ORDItem Id.	Text				Ne Z		Foreign Key
3.	Amount	Integer		VIT	+	MER E		Attribute









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Invoice#	Rec	eive Raw Material	an a	in a constant of the second
Supplier		Date 11/29/200;	2	•
			ref (1911) reading	
Material Double c	click to select raw material	Total		
Price	and the second se	Val		0.00
11.00	Construction of the second s		for the second se	2
Unit		Net Total		

Figure B-6 Receive Raw Material Form

🕄 Lolane Production System แฟ้มหลัก การคำเนินการหลัก (ร้อมูล ราชงาน ออกจากโปรแกรม		5.13
Check RM Receive Order Purchas	Production Ext		
	Red	ceive Order	
	Order ID Response Person	Date Due Date	11/29/2002 • 11/20/2002 •
	Finish Goods Name	Unit	
	Double to select finish goods	Add	Cancel
	Order List Material ID Material Description	Unit	<u></u>
		1CDCA	Delete
			2
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নি গি	Non S System Production			<i></i>
Check RM Receive Order		Production Information		
	Order ID Double Click to select Finish Good			
	No. Name Unit 1 Shampoo 2 Treatment	Status FG ID 10 Not Complete 0900000001 10 Not Complete 3000000003		
	Please select goods to produce		Tank List	
	Material ID Reguest Available		Tank ID Status 01 718 02 718 03 718 04 718 05 718 06 718 06 718	
		NVERS/7	1 . Q.S.	
	FGID# / Ur		Produced Cancel	
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Check RM) Drder Pi	B echase RM	Production	Provide a constraint of the second se			- <i>1</i> 5 ×
	5			Type of Bay Material Informatio	о <i>с</i> ^{са}		
	Туре <u>No</u> 1 2	List Code 0000000	ัญรั Description สารเคมี 002 บรรจุภัณฑ์				
			A Matarial ประเภทวัสดุ	Type Type of Raw Material Information	n S:75	<u>New</u>	
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7, start e	£.2		2	er Antre Annet - Parter P			а. <mark></mark>

	2 - 11 - 11 - 11 - 11 - 11 - 11 - 11 -	🕵 🤇 Suppli	er Informatio	n C		
	Supplier List					
	No. Name 1 2 info 3 abac	Ful Nome มริมัท Bangkok Enterprise ร่า บริมัท อินโฟเพรร Abac	Contact กัฒ กุณชมชาย กุณเก่ง	Address กรุงเชพ นนทบุรี บางนา		7
Supplier					<u>New</u>]
S	upplier Information				Ø	
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นื้อเรียก ที่อยู่					Delete	
ุเกกลติดต่อ				111	B	
บอร์โทรสัษท์ เฟกซ์	nantan dan pertaman ang kanan menjalan tanan sa panan				Dgne	
เมล์						

∎iolaneProductionSystem	- 6X
Check RM Receive Order Parchase RM Production Exit	
Finish Goods Information	
No. Code ชื่อ หน่วยมัน ราคา สีอานะ ชนาดสินค้า 1 000000001	
2 0000000002 Classe ml. 400 hs 500 hs 3 000000003 Treatment ml 500 hs 500 String to the stream of th	
Finish Goods Information	New
รายละเรียดสินด้า ชื่อสินค้า Shampoo	Edd
ทน่วยษั⊎ ml. ควนหุ2ินค้า 100 ml	Print 1
5°m. 150 3600# 13	b
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<u>Sutin</u> unin	
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Figure B-13 Finish Goods	s Form
BROTHER	ABRIEL
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	VINCIT
8/20- SINCE1969	363
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Figure B-14 Formula Form

* Sisterio 69 สลัมขัญ SINCE1969

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Greek RM Receive Order Purchase R	M Production E	at				
B deenatorial	Raw Materia	I Information				
No. Code Name 1 1 NaCl 2 000000002 CD2 CD2 3 000000003 Alcohol Alcohol 4 000000004 Potessium Potessium	Measure ml. ml. ml. ml.	<u>Type</u> Price ধান্ডাগেম ধান্ডাগেম ধান্ডাগেম ধান্ডাগেম	Minimum 500 500000 100 500000 200 500000 200 500000 200 500000			
	 Raw material Raw naterial detail 	Material Inform	nation	New Edd		
	Name Type Measure Price Minimum			Pint Dome		
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istant 20 % c.		and the form	aber 🛃 terr	HE MYO:	eros. D.*	ाल क ्रिट जन्म

Figure B-16 Tank Management Form

Figure B-17 Raw Material Lack Form

Diolane Production System								
Check RM Receive Order Purchase	RM Production 6	xit						
	S formi					D		
		Prod	luction Report					
	Please select to p	rint						
	No. Order ID I 1 1ai 2 1b I	Response Person ang .ai	รันรับชินด้า 3/2002 10:59:16 PM 3/2002 11:03:10 PM	รัมกำหนดส่ง 12/6/2002 12/3/2002	Status Not complete Not Complete]		
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	by Order ID	by Receive date			1			
	Order ID		2 Search	Port	Cano			
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6/12/2002

S.C. Artistry Company

Production Report

Issue date	Due date	<u>Status</u>
24/11/2002 24/11/2002 24/11/2002	6/12/2002 6/12/2002 6/12/2002	Complete Not Complete Complete
Issue date	Due date	Status
24/11/2002 24/11/2002 24/11/2002	6/12/2002 6/12/2002 6/12/2002	Not Complete Not Complete Not Complete
	Issue date 24/11/2002 24/11/2002 24/11/2002 24/11/2002 24/11/2002 24/11/2002 24/11/2002 24/11/2002	Issue date Due date 24/11/2002 6/12/2002 24/11/2002 6/12/2002 24/11/2002 6/12/2002 24/11/2002 6/12/2002 24/11/2002 6/12/2002 24/11/2002 6/12/2002 24/11/2002 6/12/2002 24/11/2002 6/12/2002 24/11/2002 6/12/2002 6/12/2002 6/12/2002 24/11/2002 6/12/2002 6/12/2002 6/12/2002

6/12/2002

S.C. Artistry Company

Lack of Raw Material

Material Id.

Name

0000000001 0000000004 NaCl Oxygen

.

S.C. Artistry Company

Finish Goods List

Material Id.	Name	Capacity	Price
000000001	Shampoo	100 ml	1000
000000002	Treatment	200 ml	2500
000000003	Mud	100 ml	300
000000004	Clone	500 ml	500
0000000005	Spey	100 ml	2000

S.C. Artistry Company

Raw Material List

Name	Price
NaCl	1000
Alcohol	2500
Potassium	300
Oxygen	500
Cabondioxside	2000
	Name NaCl Alcohol Potassium Oxygen Cabondioxside



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- (1) Insert CD in CD-ROM Drive
- (2) Run the setup program in folder Package (setup.exe)
- (3) Installation shield will begin to prepare to install the system program
- (4) You will following click "OK" to continue
- (5) Choose folder to put the save the program.
- (6) Click "continue" to finish setup program



