



## **ASIA PACIFIC COLLEGE**

No. 3 Humabon Place, Magallanes, Makati City  
SCHOOL OF SCHOOL OF INFORMATIONTECHNOLOGY

DATAMA1

Database Management 1



**SITALDASONS INTERNATIONAL**  
**EXPORTER • IMPORTER • WHOLESALER**

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## Table of Contents

<b>Chapter 1</b> .....	<b>1</b>
Introduction .....	1
Objectives .....	2
Scope and Limitation .....	3
 <b>Chapter 2</b> .....	 <b>4</b>
Business Rules .....	4 - 15
Entity Relationship Diagram (Crow's Foot Model) .....	4 - 15
Extended Entity Relationship Diagram (EERD) .....	4 - 15
Conceptual Model .....	16
Relational Diagram .....	17
 <b>Chapter 3</b> .....	 <b>18</b>
Tables .....	18 - 24
Transactions .....	25 - 43
Insert .....	25 - 43
Update .....	25 - 43
Delete .....	25 - 43
 <b>Appendices</b> .....	 <b>44</b>
Screen Display .....	44 - 55
Interviews .....	56
Workflow .....	57

## **Chapter 1**

### **Introduction**

Sitaldasons International is an international purchaser taking a part the canton fair in China. They also import their products directly to the manufacturers in India, Italy, and China. It's a company from the Philippines, and it is a kitchen warehouse founded by an Indian national named Bhagwhan Sitaldas. It started late 1970's. The founder was then working in other company that is related to importing business, Mr. Sitaldas was inspired and made his own company. Sitaldasons is the one who supplies kitchenware to the following SM, Landmark, and Gaisano Malls. They get their material/ supplies in China. It is located at 3667 Honduras Street, 1234 Makati City, Philippines.

Sitaldasons International is still using manual filing system. They have their inventory in the physical paper and they don't have 100% accuracy of their product records. The company's nature of business is importing and wholesaling. They serve as a bridge between manufacturers and customers. Their usual customers who purchase wholesale are Shoemart, Cash N Carry Mall, Gaisano Malls, Landmark, and City Mart even the small businesses in Quiapo and Divisoria.

The person from Sitaldasons will go directly to the manufacturer in the other country to buy products, and the finance department of Sitaldasons here in the Philippines will pay using Telegraphic payment. Once the payment is confirmed, the products will be transported in the customs and when it is verified by the customs, the product will be delivered in the company warehouse. Their wholesaler customers will go to the warehouse to purchase products and pays through check. The customers can order from the company's agents.

## **Objectives of the Study**

The group come up with the following general and specific objectives:

### **General Objectives**

- To create a database that would be beneficial to the company

### **Specific Objectives**

- To remove or eliminate redundant data.
- Make easy for the user to access the data.
- To have more relevant mass storage.
- To protect data, from unauthorized people/systems.
- To translate business procedure into business rules
- To create entity-relationship diagram

## **Scope and Limitation**

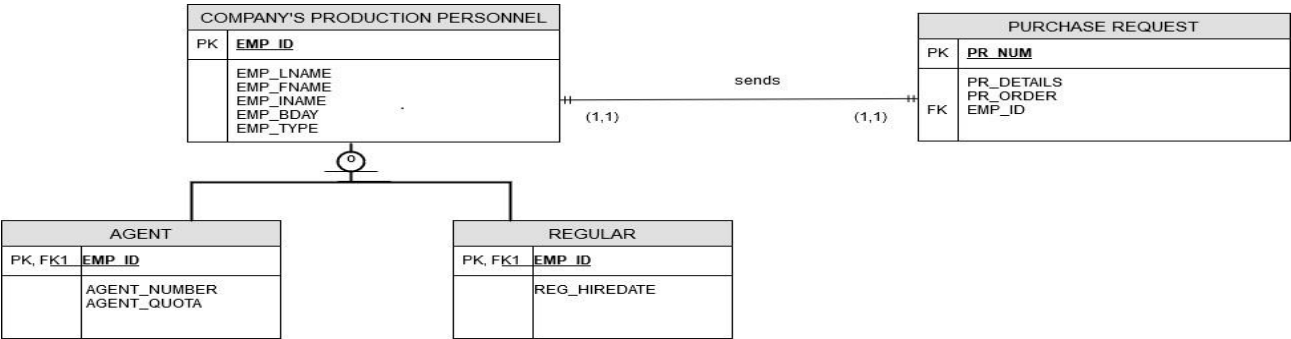
Sitaldasons International is a trading company wherein they bought their products from China and they sell it here in the Philippines. The main purpose of this case study is to analyze their business procedures in trading from China and selling it here in the Philippines. These business procedures will be converted into business rules and from these business rules, the entity relationship and conceptual diagram will also be created. The main entities that will be analyze by this case study are supplier, buyer/customer, and the company itself. The other entities will arise on the specific business rule once the transaction procedure is done. There are two point of views that this case study will consider namely the supplier and buyers' point of view. Even though there are two point of views that this case study will cover, they will be sharing a single database which is the inventory. The main name of database is "Inventory" and its attributes are the stock number, name of the product, price of the product, manufacturer, and the manufactured date.

The business procedures that this study will only cover are the trading and selling transactions. This includes the insertion of items in the inventory, and the deletion of items from the inventory when a buyer bought a product from the inventory. The other business process that the company do such as stockholder related process, their process of hiring their employees or any activity that involves the employee, their corporate social responsibility (CSR) activities, and other activities that the company does not usually do, will not be covered in this case study.

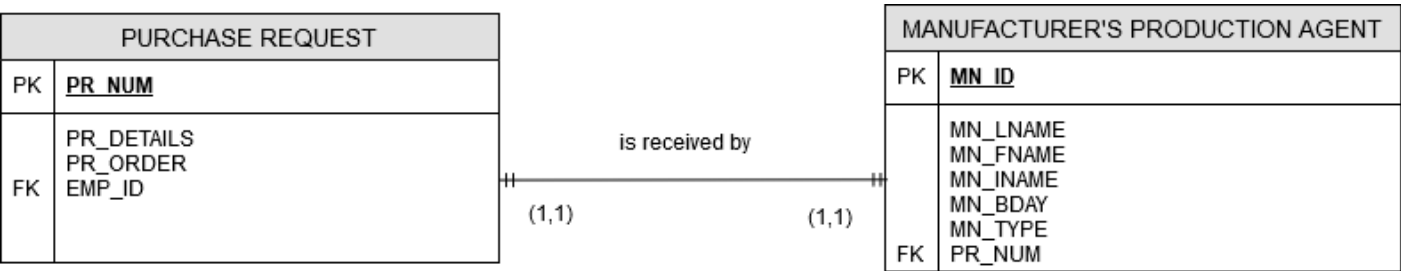
Chapter 2

The following business reals and its corresponding entity relationship diagram are derived from the Sitaldasons International Company:

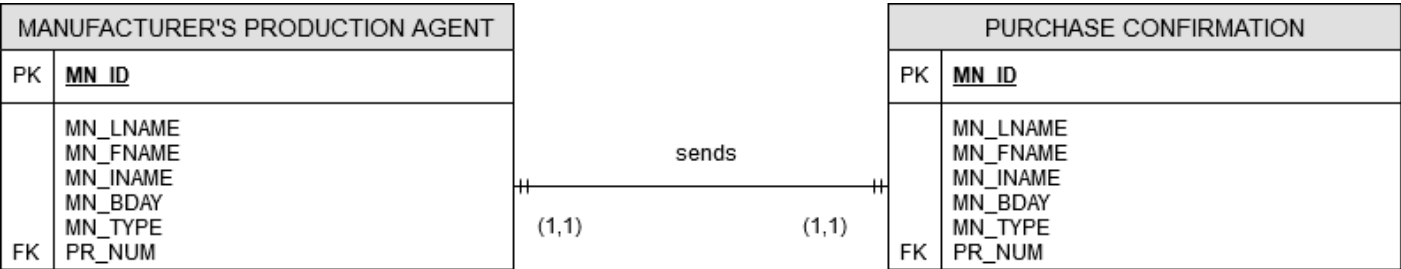
- 1. COMPANY’S PRODUCTION PERSONNEL send PURCHASE REQUEST.  
PURCHASE REQUEST is sent by COMPANY’S PRODUCTION PERSONNEL



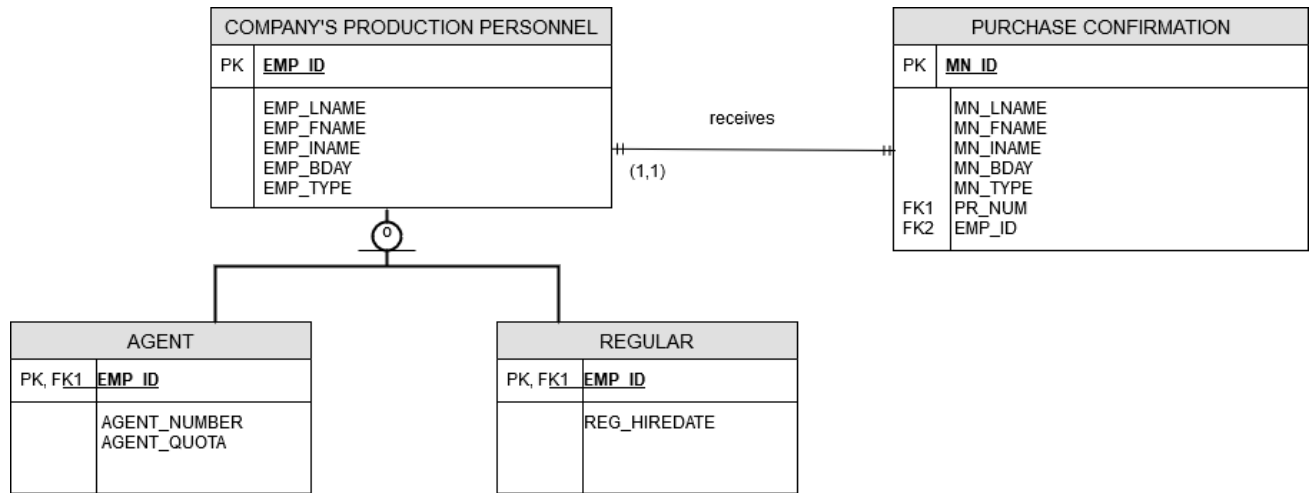
- 2. PURCHASE REQUEST received by MANUFACTURER’S PRODUCTION AGENT.  
MANUFACTURER’S PRODUCTION AGENT receives PURCHASE REQUEST



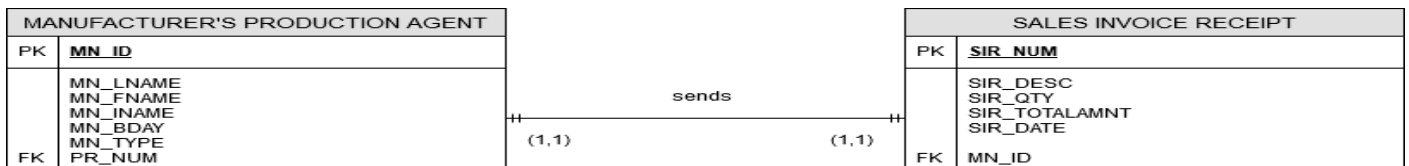
- 3. MANUFACTURER’S PRODUCTION AGENT sends PURCHASE CONFIRMATION PURCHASE CONFIRMATION is sent by MANUFACTURER’S PRODUCTION AGENT



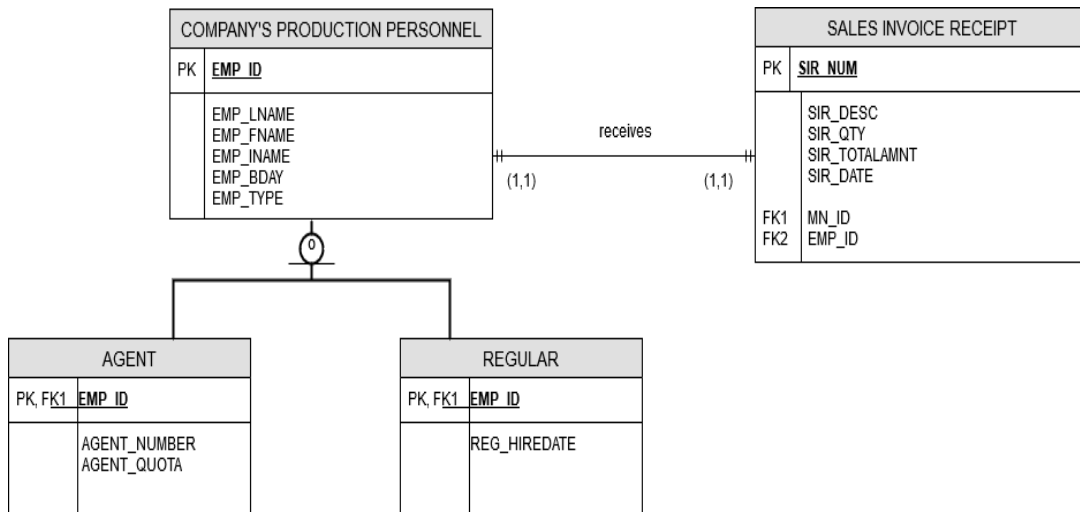
4. COMPANY'S PRODUCTION PERSONNEL receives PURCHASE CONFIRMATION PURCHASE CONFIRMATION is received by COMPANY'S PRODUCTION PERSONNEL



5. MANUFACTURER'S PRODUCTION AGENT sends INVOICE RECEIPT INVOICE RECEIPT is sent by MANUFACTURER'S PRODUCTION AGENT

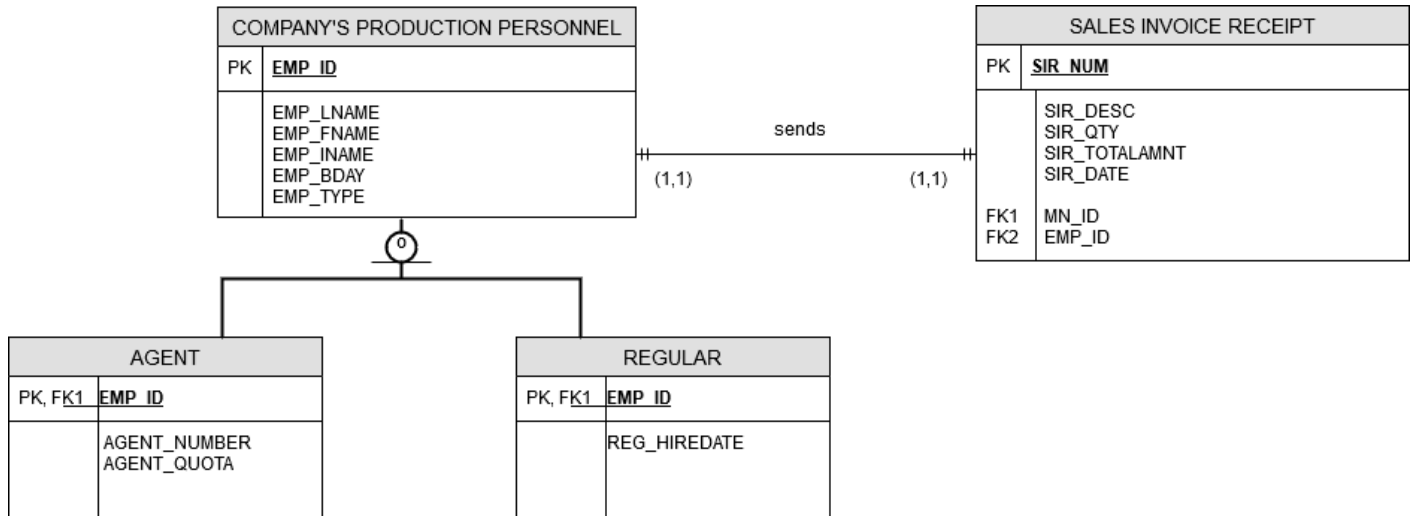


6. COMPANY'S PRODUCTION PERSONNEL receives INVOICE RECEIPT INVOICE RECEIPT is received by COMPANY'S PRODUCTION PERSONNEL



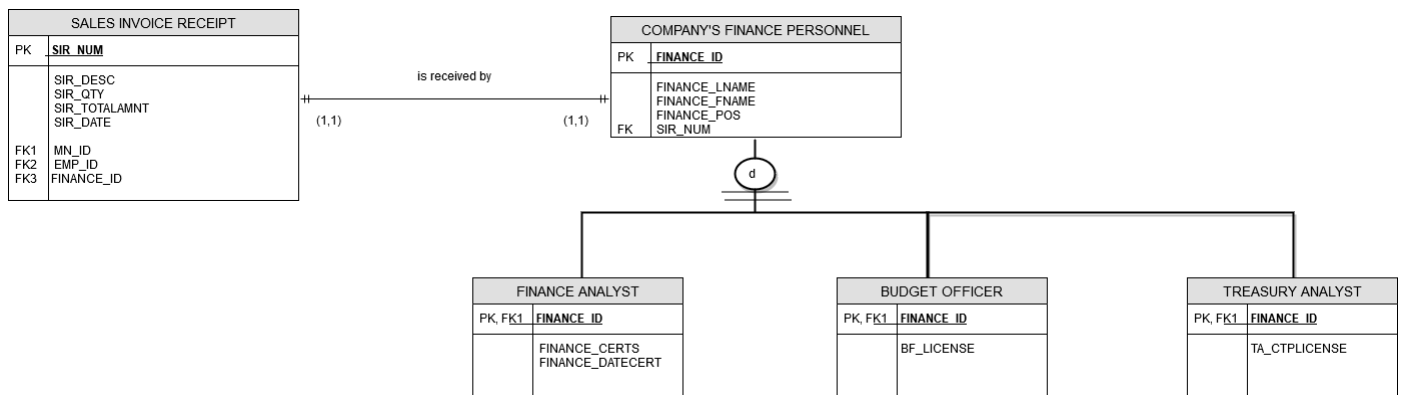
## 7. COMPANY'S PRODUCTION PERSONNEL sends SALES INVOICE RECEIPT

SALES INVOICE RECEIPT is sent by COMPANY'S PRODUCTION PERSONNEL



## 8. INVOICE RECEIPT is received by COMPANY'S FINANCE PERSONNEL

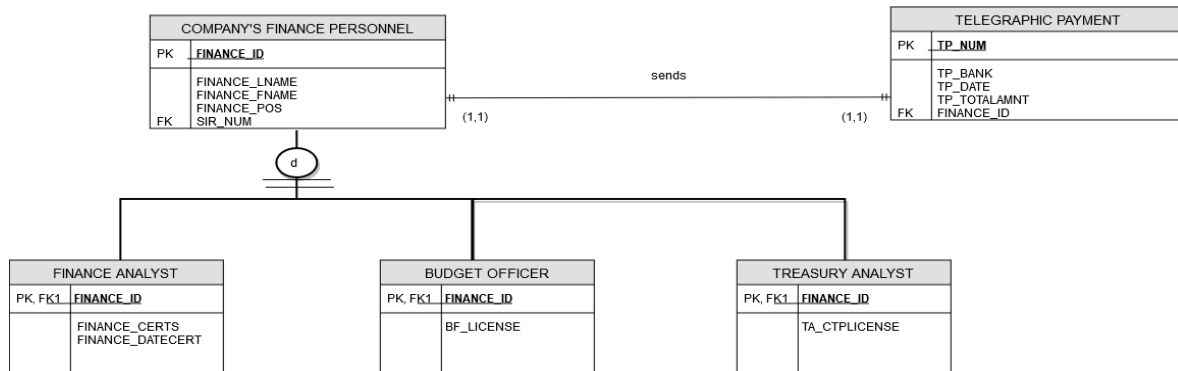
COMPANY'S FINANCE PERSONNEL receives INVOICE RECEIPT





9. COMPANY'S FINANCE PERSONNEL sends TELEGRAPHIC PAYMENT.

TELEGRAPHIC PAYMENT is sent by COMPANY'S FINANCE PERSONNEL



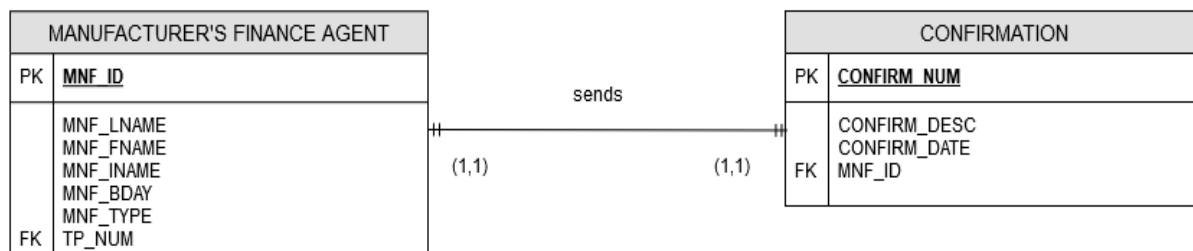
10. PAYMENT is received by MANUFACTURER'S FINANCE AGENT.

MANUFACTURER'S FINANCE AGENT receives TELEGRAPHIC PAYMENT

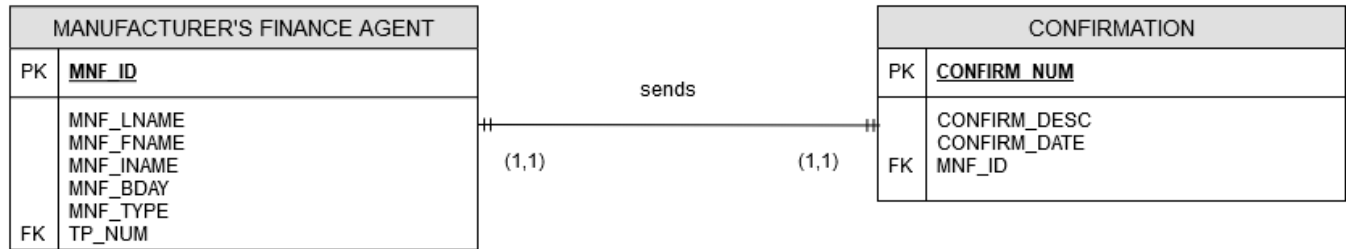


11. MANUFACTURER'S FINANCE AGENT sends CONFIRMATION

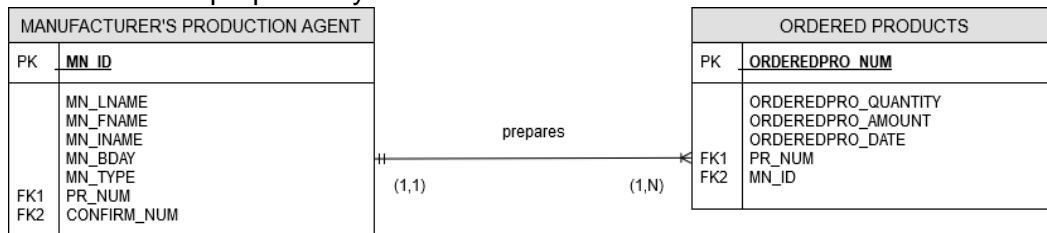
CONFIRMATION is sent by MANUFACTURER'S FINANCE AGENT



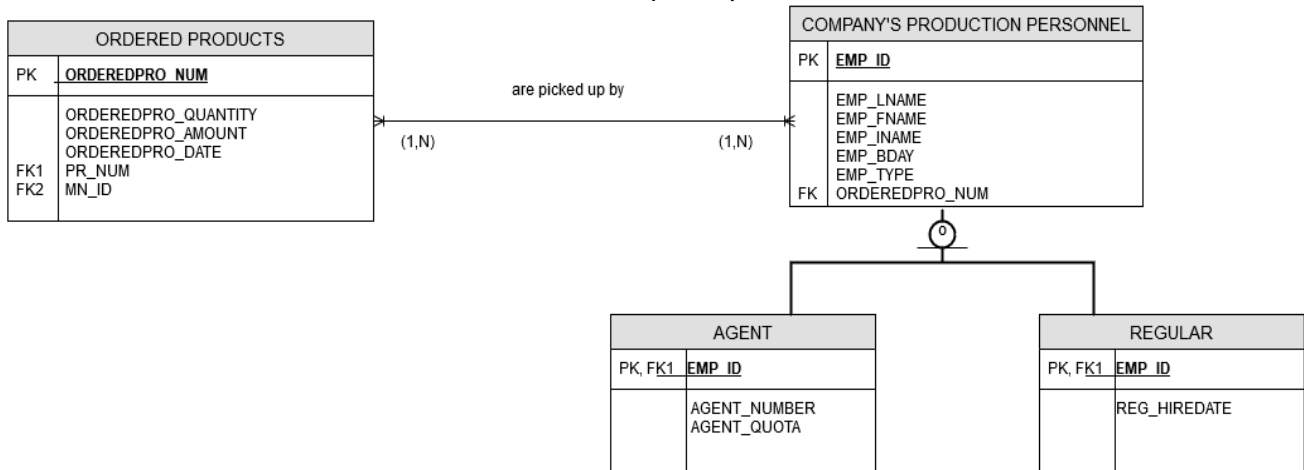
12. CONFIRMATION is received by MANUFACTURER'S PRODUCTION AGENT  
MANUFACTURER'S PRODUCTION AGENT receives CONFIRMATION



13. MANUFACTURER'S PRODUCTION AGENT prepares ORDERED PRODUCTS  
ORDERED PRODUCTS is prepared by MANUFACTURER'S PRODUCTION AGENT

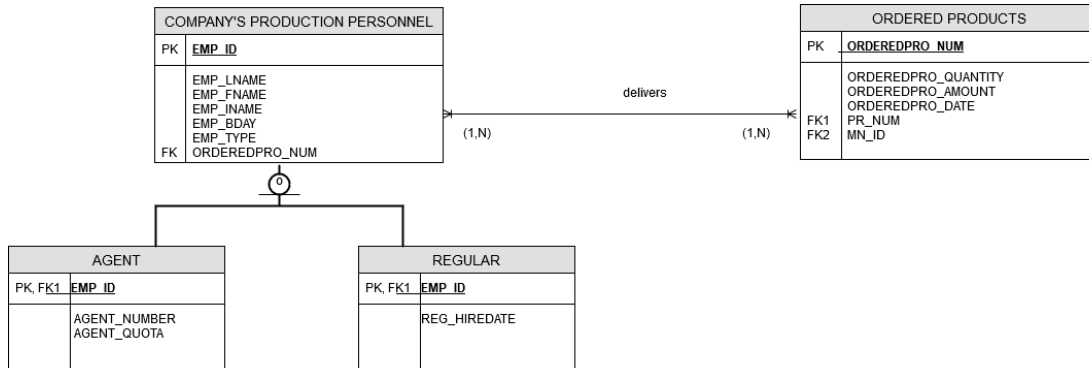


14. ORDERED PRODUCTS is picked up by COMPANY'S PRODUCTION PERSONNELS  
COMPANY'S PRODUCTION PERSONNELS pick-ups ORDERED PRODUCTS



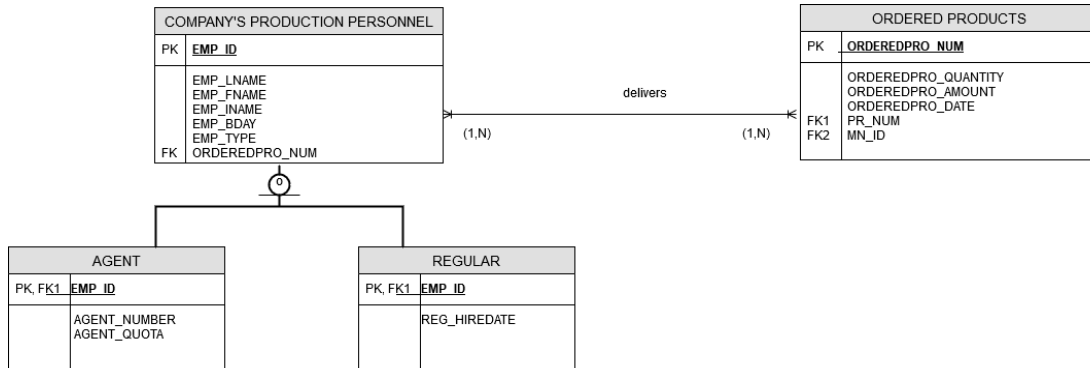
### 15. COMPANY'S PRODUCTION PERSONNEL delivers ORDERED PRODUCTS

ORDERED PRODUCTS is delivered by COMPANY'S PRODUCTION PERSONNEL



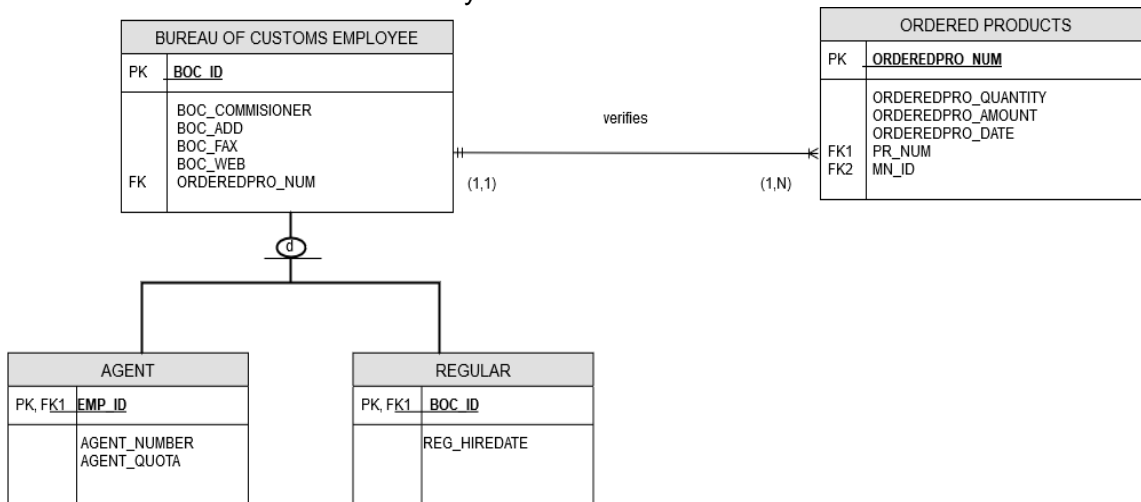
### 16. ORDERED PRODUCTS is received by BUREAU OF CUSTOMS

BUREAU OF CUSTOMS receives ORDERED PRODUCTS

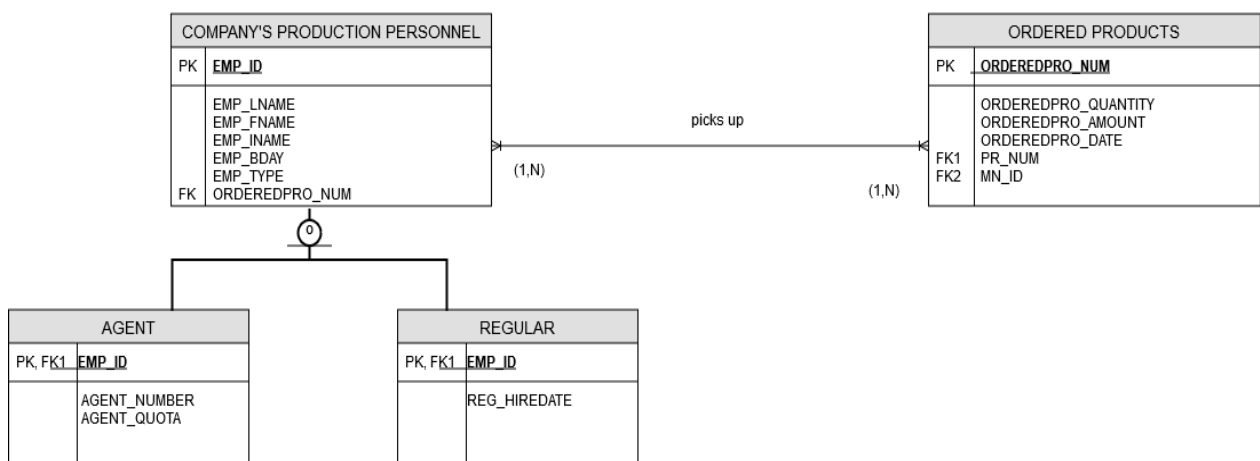


### 17. BUREAU OF CUSTOMS verifies the ORDERED PRODUCTS.

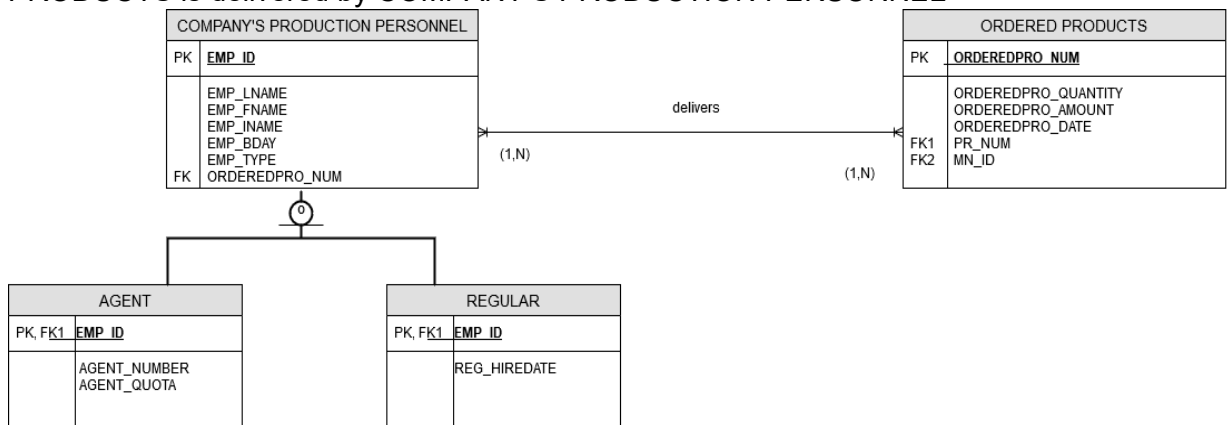
ORDERED PRODUCTS is verified by BUREAU OF CUSTOMS



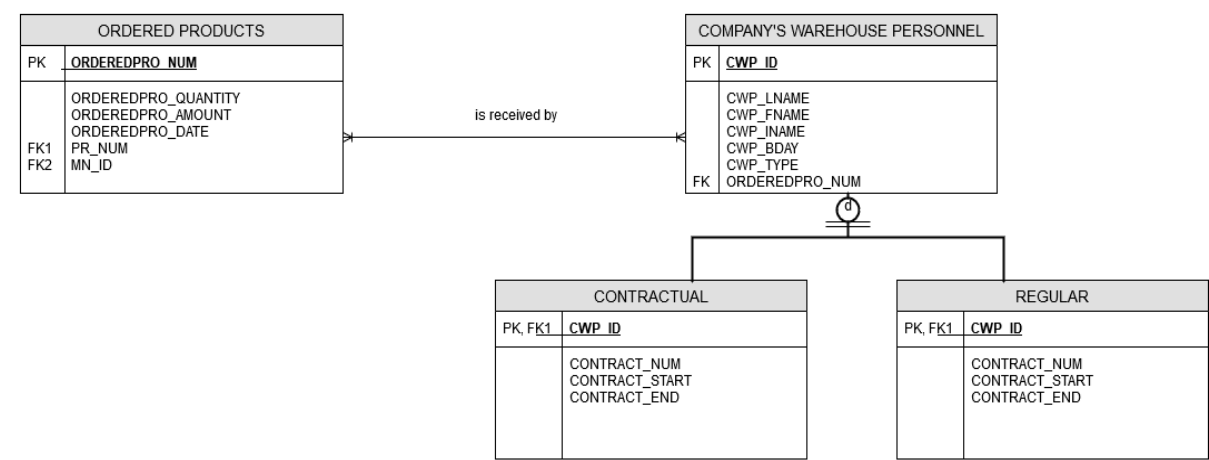
18. COMPANY’S PRODUCTION PERSONNEL pick-ups ORDERED PRODUCTS ORDERED PRODUCTS is picked up by COMPANY’S PRODUCTION PERSONNEL



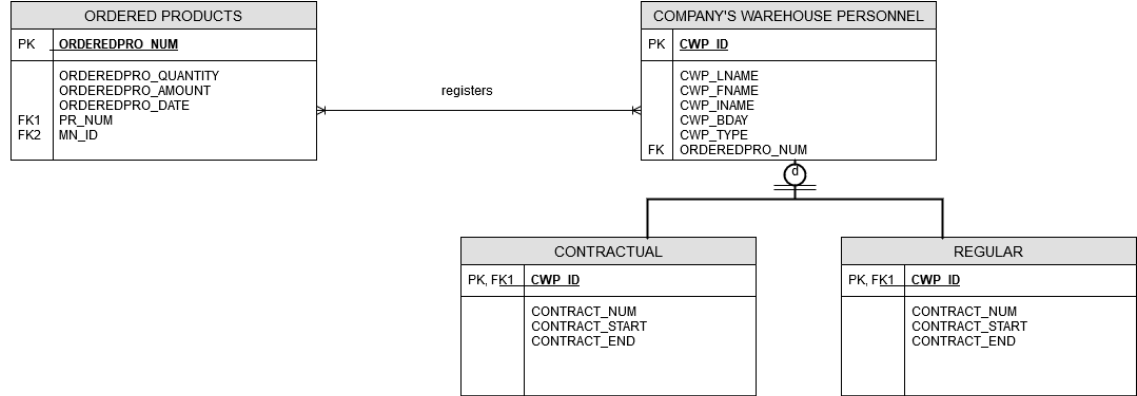
19. COMPANY’S PRODUCTION PERSONNEL delivers ORDERED PRODUCTS ORDERED PRODUCTS is delivered by COMPANY’S PRODUCTION PERSONNEL



20. ORDERED PRODUCTS is received by COMPANY'S WAREHOUSE PERSONNEL  
COMPANY'S WAREHOUSE PERSONNEL receives ORDERED PRODUCTS

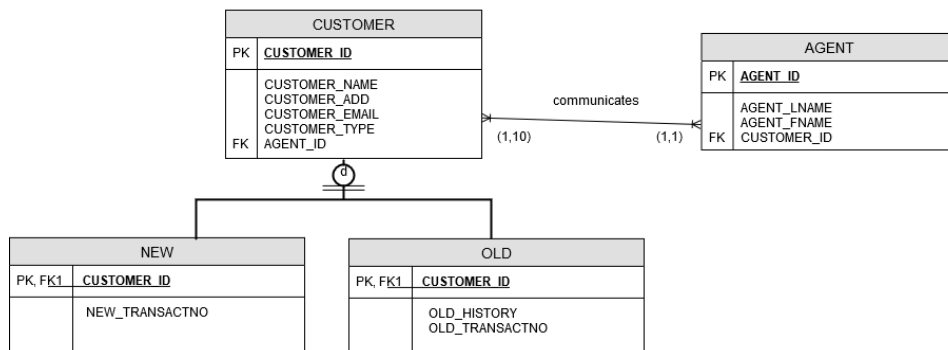


21. COMPANY'S WAREHOUSE PERSONNEL registers ORDERED PRODUCTS  
ORDERED PRODUCTS is registered by COMPANY'S WAREHOUSE PERSONNEL



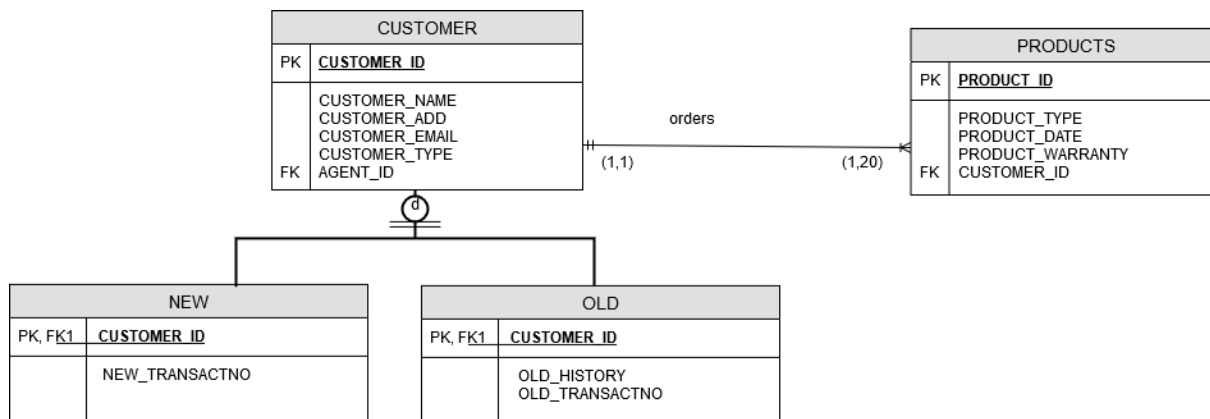
22. CUSTOMER communicates an AGENT.

AGENT is communicated by CUSTOMER



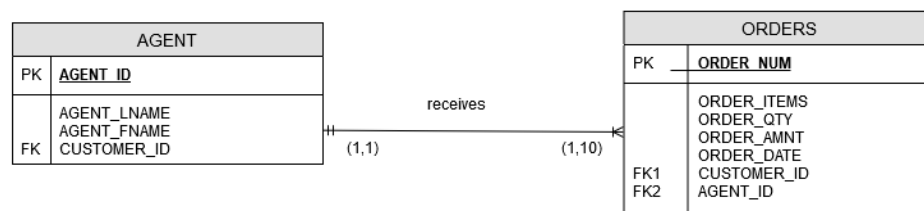
23. CUSTOMER orders PRODUCTS

PRODUCTS are ordered by CUSTOMER



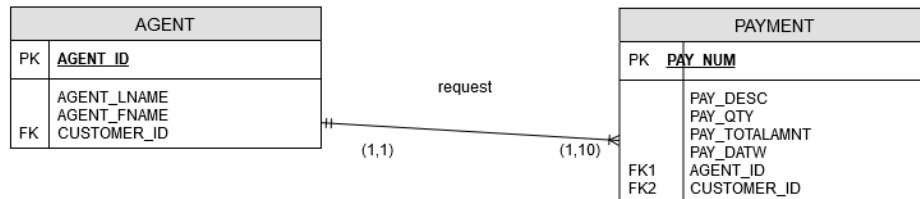
24. AGENT receives ORDERS

ORDERS are received by AGENT



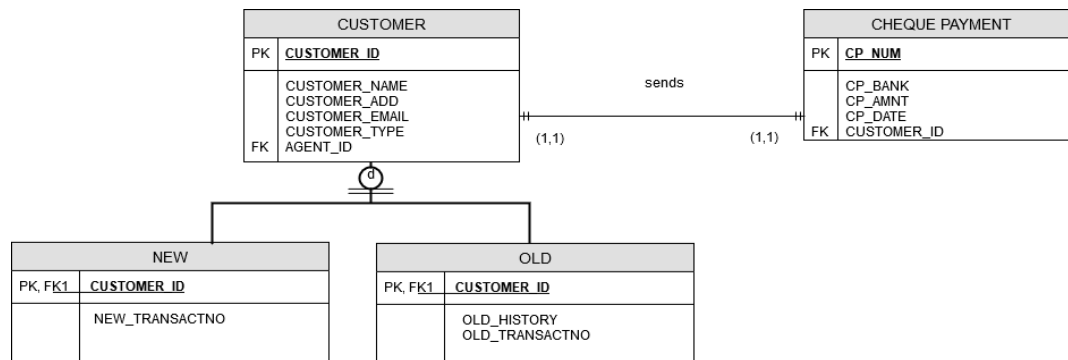
## 25. AGENT request PAYMENT

PAYMENT is requested by AGENT



## 26. CUSTOMER sends CHEQUE PAYMENT

CHEQUE PAYMENT is sent by CUSTOMER



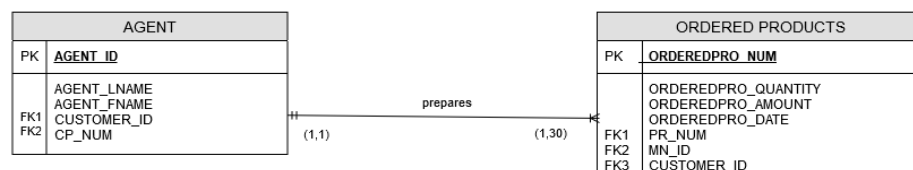
## 27. AGENT receives CHEQUE PAYMENT

CHEQUE PAYMENT is received by AGENT

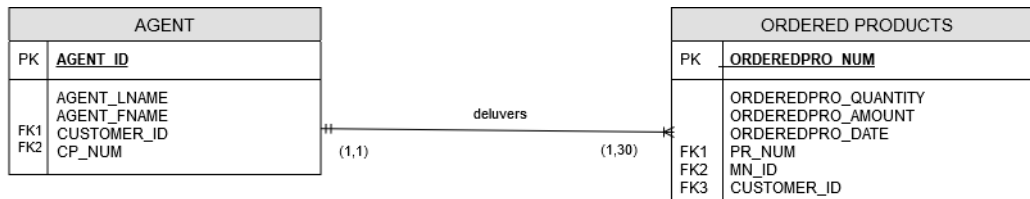


## 28. AGENT prepares ORDERED PRODUCTS

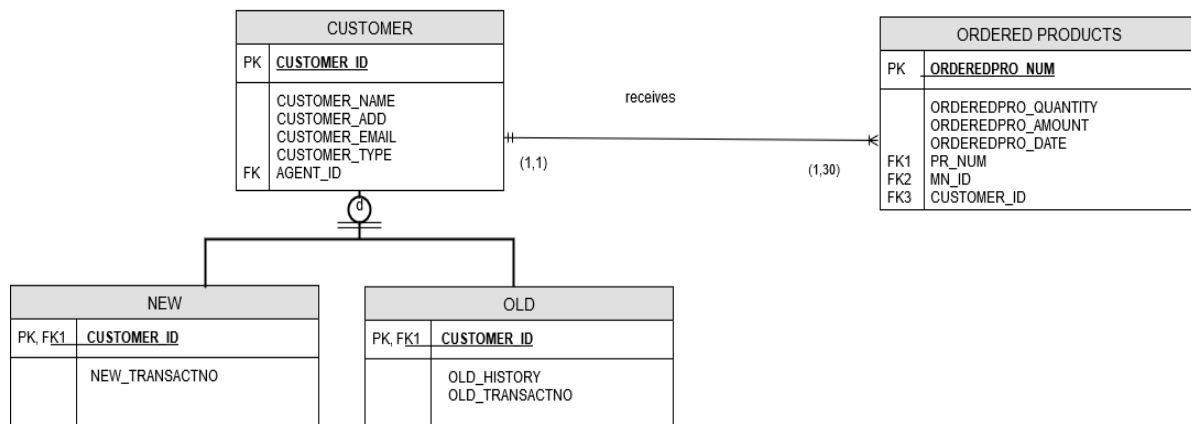
ORDERED PRODUCTS is prepared by AGENT



29. AGENT delivers ORDERED PRODUCTS  
ORDERED PRODUCTS is delivered by AGENT



30. CUSTOMER receives ORDERED PRODUCTS  
ORDERED PRODUCT is received by CUSTOMER

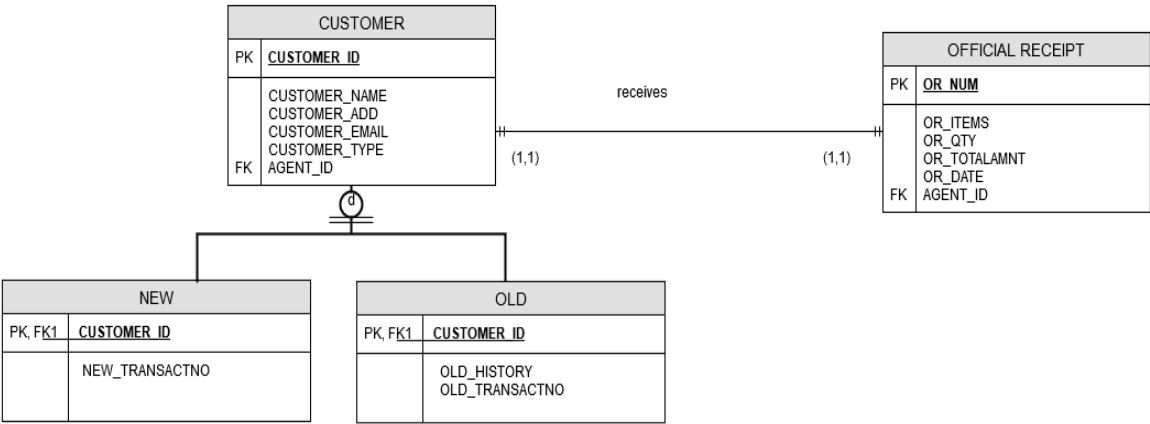


31. AGENT issues OFFICIAL RECEIPT  
OFFICIAL RECEIPT is issued by AGENT

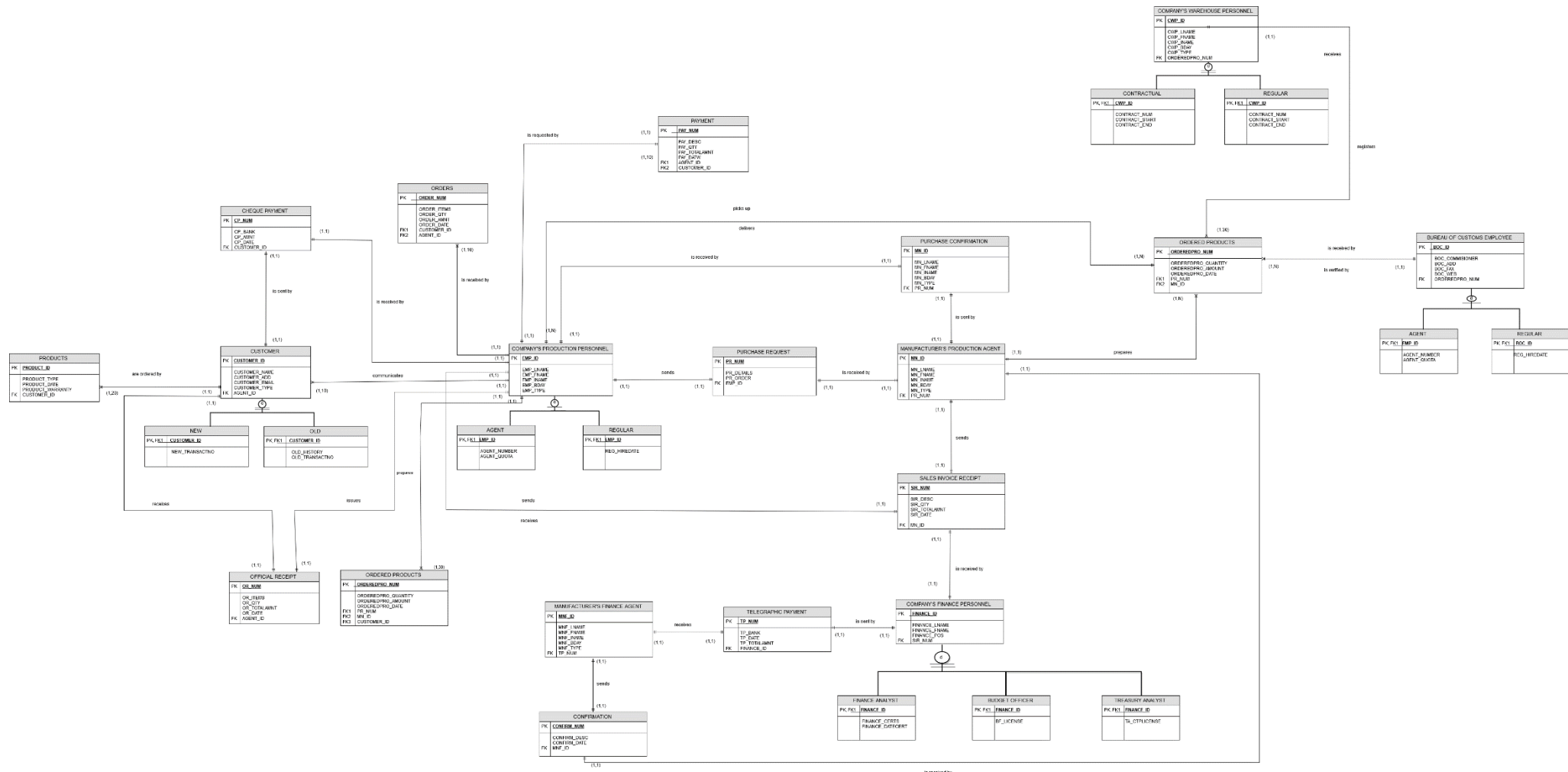




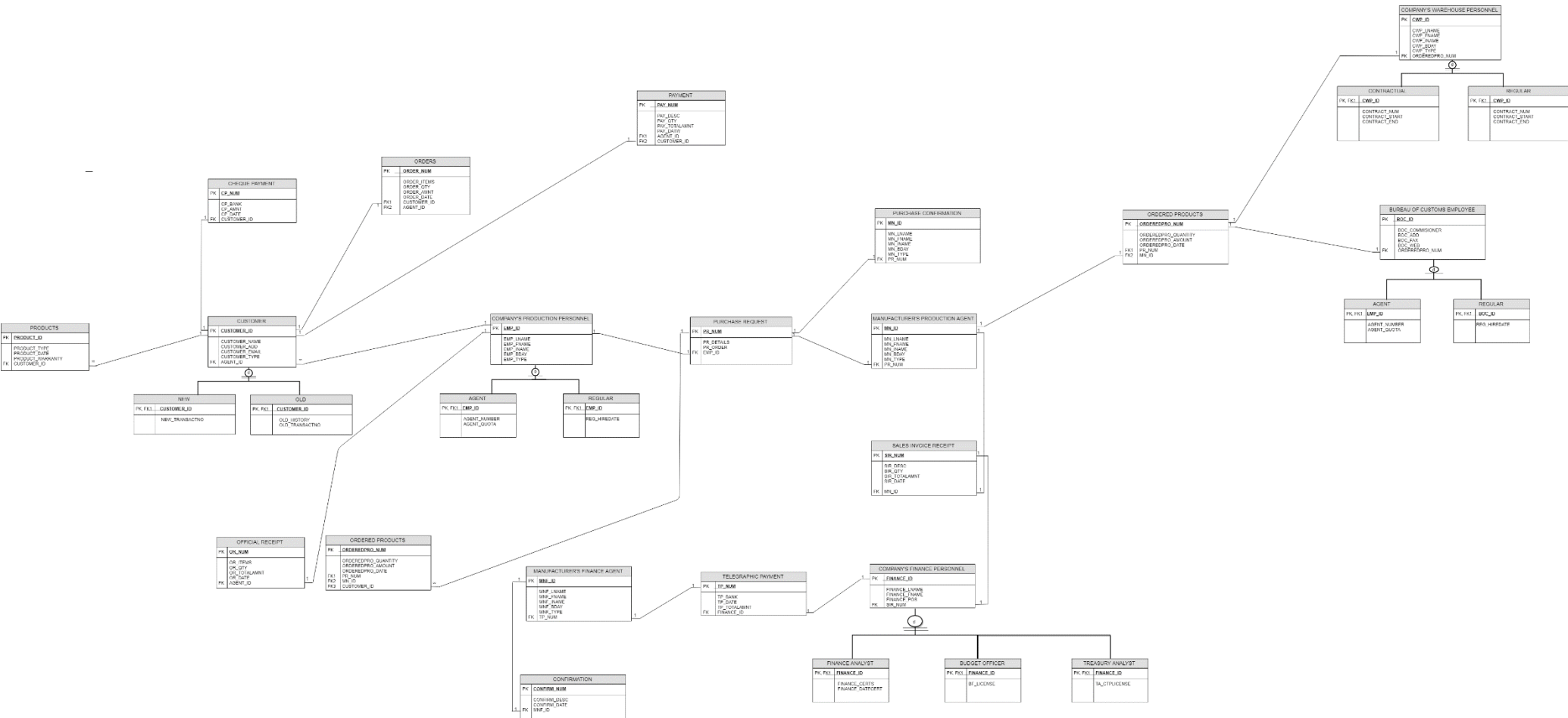
32. CUSTOMER receives OFFICIAL RECEIPT  
OFFICIAL RECEIPT is received by CUSTOMER



## CONCEPTUAL



RELATIONAL DIAGRAM



### CHAPTER 3: DATA DICTIONARY

<u>TABLE NAME</u>	<u>ATTRIBUTE NAME</u>	<u>CONTENTS</u>	<u>TYPE</u>	<u>FORMAT</u>	<u>RANGE</u>	<u>RE QU IRE D</u>	<u>PK OR FK</u>	<u>FK REFERENCED TABLE</u>
<b>COMPAN Y_PRODU CTION_P ERSONNE L</b>	EMP_ID	Employee ID	INT	999999	10000-99999	Y	PK	
	EMP_LNAME	Employee First Name	VARCHAR (25)	Xxxxxxx		Y		
	EMP_FNAME	Employee Last Name	VARCHAR (25)	Xxxxxxx		Y		
	EMP_BDAY	Employee Birthday	DATE	YYYY-MM-DD		Y		
	EMP_TYPE	Employee Type	VARCHAR (25)	Xxxxxxx		Y		
<b>AGENT</b>	EMP_ID	Employee ID	INT	999999	10000-99999	Y	PK, FK1	<b>COMPANY_PRODUCTI ON_PERSONNEL</b>
	AGENT_NUMBER	Agent Number	VARCHAR (25)	Xxxxxxx		Y		
	AGENT_QUOTA	Agent Quota	VARCHAR (25)	Xxxxxxx		Y		
<b>REGULAR</b>	EMP_ID	Employee ID	INT	999999	10000-99999	Y	PK, FK1	<b>COMPANY_PRODUCTI ON_PERSONNEL</b>
	REG_HIREDATE	Regular Employee Hire Date	DATE	YYYY-MM-DD		Y		
<b>PURCHAS E_REQUE ST</b>	PR_NUM	Purchase Number	INT	999999	10000-99999	Y	PK	
	PR_DETAILS	Purchase Details	VARCHAR (25)	Xxxxxxx		Y		
	PR_ORDER	Purchase Order	VARCHAR (25)	Xxxxxxx		Y		
	EMP_ID	Employee ID	INT	999999				
<b>MANUFA CTURER_</b>	MN_ID	Manufacturer ID	INT	999999	10000-99999	Y	PK	
	MN_LNAME	Manufacturer Emp First Name	VARCHAR (25)	Xxxxxxx		Y		
	MN_FNAME	Manufacturer Emp Last Name	VARCHAR (25)	Xxxxxxx		Y		

<b>PRODUCTION_AGENT</b>	MN_INMAE	Manufacturer Emp Middle Initial	VARCHAR (25)	Xxxxxxx				
	MN_BDAY	Manufacturer Emp Birthday	DATE	YYYY-MM-DD		Y		
	MN_TYPE	Manufacturer Emp Type	VARCHAR (25)	Xxxxxxx	10000-99999	Y		
	PR_NUM	Purchase Number	INT	999999		Y	FK	<b>PURCHASE_REQUEST</b>
<b>PURCHASE_CONFIGURATION</b>	MN_ID	Manufacturer ID	INT	999999	10000-99999	Y	PK	
	MN_LNAME	Manufacturer Emp First Name	VARCHAR (25)	Xxxxxxx		Y		
	MN_FNAME	Manufacturer Emp Last Name	VARCHAR (25)	Xxxxxxx		Y		
	MN_INAME	Manufacturer Emp Middle Initial	VARCHAR (25)	Xxxxxxx				
	MN_BDAY	Manufacturer Emp Birthday	DATE	YYYY-MM-DD		Y		
	MN_TYPE	Manufacturer Emp Type	VARCHAR (25)	Xxxxxxx		Y		
	PR_NUM	Purchase Number	INT	999999	10000-99999	Y	FK1	<b>PURCHASE_REQUEST</b>
	EMP_ID	Employee ID	INT	999999	10000-99999	Y	FK2	<b>COMPANY_PRODUCTION_PERSONNEL</b>
<b>SALES_INVOICE_RECEIPT</b>	SIR_NUM	Sales Invoice Receipt Number	INT	999999	10000-99999	Y	PK	
	SIR_DESC	Sales Invoice Receipt description	Varchar (30)	Xxxxxxx		Y		
	SIR_QTY	Sales Invoice Receipt Quantity	INT	999999	10000-99999	Y		
	SIR_TOTALAMNT	Sales Invoice Receipt Total Amt	DECIMAL (10,3)	10000.000		Y		
	SIR_DATE	Sales Invoice Receipt Date	DATE	YYYY-MM-DD		Y		
	MN_ID	Manufacturer ID	INT	999999	10000-99999	Y	FK1	<b>MANUFACTURER_PRODUCTION_AGENT</b>
	EMP_ID	Employee ID	INT	999999	10000-99999	Y	FK2	<b>COMPANY_PRODUCTION_PERSONNEL</b>
<b>COMPANY_FINANCE</b>	FINANCE_ID	Finance Personnel ID	INT	999999	10000-99999	Y	PK	
	FINANCE_FNAME	Finance First Name	VARCHAR (25)	Xxxxxxx		Y		
	FINANCE_LNAME	Finance Last Name	VARCHAR (25)	Xxxxxxx		Y		
	FINANCE_POSITION	Finance Position	VARCHAR (25)	Xxxxxxx		Y		

<b>CE_PERS ONNEL</b>	SIR_NUM	Sales Invoice Receipt Number	INT	999999	10000-99999	Y	FK	<b>SALES_INVOICE_RECEI PT</b>
<b>FINANCIA L_ANALY ST</b>	FINANCE_ID FINANCE_CERTS FINANCE_DATECERT	Finance Personnel ID Finance Certificate Finance Certificate Date	INT VARCHAR (50) DATE	999999 Xxxxxxx YYYY-MM-DD	10000-99999	Y Y Y	PK, FK	<b>FINANCE_ID</b>
<b>BUDGET_ OFFICER</b>	FINANCE_ID BF_LICENSE	Finance Personnel ID Finance BF	INT VARCHAR (25)	999999 Xxxxxxx	10000-99999	Y Y	PK, FK	<b>FINANCE_ID</b>
<b>TREASUR Y_ANALY ST</b>	FINANCE_ID TA_CTPLICENSE	Finance Personnel ID License	INT VARCHAR (25)	999999 XXXXXXXX	10000-99999	Y Y	PK, FK	<b>FINANCE_ID</b>
<b>TELEGRA PHIC_PA YMENT</b>	TP_NUM TP_BANK TP_TOTALAMNT FINANCE_ID MN_ID	Telegraphic Payment number Name of the bank Total Amount Finance Personnel ID Manufacturer ID	INT Varchar (30) DECIMAL (10,3) INT INT	999999 Xxxxxxx 10000.000 999999 999999	10000-99999 10000-99999 10000-99999	Y Y Y Y Y	PK   FK1 FK2	<b>FINANCE_ID MANUFACTURER_PRO DUCTION_AGENT</b>
<b>MANUFA CTURER_ FINANCE _AGENT</b>	MNF_ID MNF_FNAME MNF_LNAME MNF_BDAY MNF_TYPE TP_NUM	Manufacturer's Finance Agent ID Manufacturer's Finance First Name Manufacturer's Finance Last Name Manufacturer's Finance BDAY Manufacturer's Finance emp type Telegraphic Payment number	INT VARCHAR (25) VARCHAR (25) DATE VARCHAR (25) INT	999999 Xxxxxxx Xxxxxxx YYYY-MM-DD Xxxxxxx 999999	10000-99999 10000-99999	Y Y Y Y Y Y	PK    FK	<b>TELEGRAPHIC_PAYME NT</b>
<b>CONFIRM ATION</b>	CONFIRM_NUM CONFIRM_DESC CONFRIM_DATE	Confirmation Number Confirmation Description Confirmation Date	INT VARCHAR (25) DATE	999999 Xxxxxxx YYYY-MM-DD	10000-99999	Y Y Y	PK	

	MNF_ID	Manufacturer's Finance Agent ID	INT	999999	10000-99999	Y	FK	MANUFACTURER_FINANCE_AGENT
ORDERED_PRODUCES	ORDEREDPRO_NUM	Ordered products ID	INT	999999	10000-99999	Y	PK	PURCHASE_REQUEST MANUFACTURER_PRODUCTION_AGENT
	ORDEREDPRO_QUANTITY	Ordered products quantity	INT	999999	10000-99999	Y		
	ORDEREDPRO_AMOUNT	Ordered products amount	DECIMAL (10,3)	10000.000	10000-99999	Y		
	ORDEREDPRO_DATE	Date of Ordered Products	DATE	YYYY-MM-DD		Y		
	PR_NUM	Purchase Request Number	INT	999999	10000-99999	Y	FK1	
	MN_ID	Manufacturer ID	INT	999999	10000-99999	Y	FK2	
BUREAU_OF_CUSTOMS	BOC_ID	Bureau of Customs ID	INT	999999	10000-99999	Y	PK	ORDERED_PRODUCT
	BOC_COMMISSIONER	Bureau of Customs commissioner	VARCHAR (20)	Xxxxxxx		Y		
	BOC_ADD	Bureau of Customs address	VARCHAR (20)	Xxxxxxx		Y		
	BOC_FAX	Bureau of Customs fax number	INT (20)	999999	10000-99999	Y		
	BOC_WEB	Bureau of Customs website	VARCHAR (50)	Xxxxxxx		Y		
	ORDEREDPRO_NUM	Ordered products ID	INT	999999	10000-99999	Y	FK	
AGENT	BOC_ID	Employee ID	INT	999999	10000-99999	Y	PK, FK	BUREAU_OF_CUSTOMS
	AGENT_NUMBER	Agent Number	VARCHAR (25)	Xxxxxxx		Y		
	AGENT_QUOTA	Agent Quota	VARCHAR (25)	Xxxxxxx		Y		
REGULAR	BOC_ID	Employee ID	INT	999999	10000-99999	Y	PK, FK	BUREAU_OF_CUSTOMS
	REG_HIREDATE	Regular Employee Hire Date	DATE	YYYY-MM-DD		Y		
COMPANY_WAREHOUSE_P	CWP_ID	Warehouse personnel Emp ID	INT	999999	10000-99999	Y	PK	
	CWP_LNAME	Warehouse personnel Last name	VARCHAR (20)	Xxxxxxx		Y		
	CWP_FNAME	Warehouse personnel first name	VARCHAR (20)	Xxxxxxx		Y		
	CWP_INAME	Warehouse personnel middle initial	VARCHAR (20)	Xxxxxxx				

<b>PERSONNEL</b>	CWP_BDAY	Warehouse personnel birthday	DATE	YYYY-MM-DD		Y		
	CWP_TYPE	Warehouse personnel emp type	VARCHAR (20)	Xxxxxxx		Y		
	ORDEREDPRO_NUM	Ordered products ID	INT	999999	10000-99999	Y	FK	<b>ORDERED_PRODUCT</b>
<b>CONTRACTUAL</b>	CWP_ID	Warehouse personnel Emp ID	INT	999999	10000-99999	Y	PK, FK	<b>COMPANY_WAREHOUSE_PERSONNEL</b>
	CONTRACT_NUM	Contract Number	INT	999999		Y		
	CONTRACT_START	Contract Start Date	DATE	YYYY-MM-DD	10000-99999	Y		
	CONTRACT_END	Expiration Date of Contract	DATE	YYYY-MM-DD				
<b>REGULAR</b>	CWP_ID	Warehouse personnel Emp ID	INT	999999	10000-99999	Y	PK, FK	<b>COMPANY_WAREHOUSE_PERSONNEL</b>
	CONTRACT_NUM	Contract Number	INT	999999	10000-99999	Y		
	CONTRACT_START	Contract Start Date	DATE	YYYY-MM-DD		Y		
	CONTRACT_END	Expiration Date of Contract	DATE	YYYY-MM-DD		Y		
<b>AGENT</b>	AGENT_ID	Agent ID Number	INT	999999	10000-99999	Y	PK	
	AGENT_LNAME	Agent Last Name	VARCHAR (20)	Xxxxxxx		Y		
	AGENT_FNAME	Agent First Name	VARCHAR (20)	999999	10000-99999	Y		
	CUSTOMER_ID	Customer ID Number	INT	Xxxxxxx		Y		
<b>CUSTOMER</b>	CUSTOMER_ID	Customer ID number	INT	999999	10000-99999	Y	PK	
	CUSTOMER_NAME	Customer Name	VARCHAR (50)	Xxxxxxx		Y		
	CUSTOMER_ADD	Customer Address	VARCHAR (30)	Xxxxxxx		Y		
	CUSTOMER_EMAIL	Customer Email	VARCHAR (30)	Xxxxxxx		Y		
	CUSTOMER_TYPE	New or Old	VARCHAR (30)	Xxxxxxx		Y		
	AGENT_ID	Agent ID number	INT	999999	10000-99999	Y	FK	<b>AGENT_ID</b>
<b>OLD</b>	CUSTOMER_ID	Customer ID number	INT	999999	10000-99999	Y	PK, FK	<b>CUSTOMER</b>
	OLD_HISTORY	Customer history details	VARCHAR (50)	Xxxxxxx		Y		



	OLD_TRANSACTIONNO	Old transaction number	VARCHAR (50)	Xxxxxxx		Y		
<b>NEW</b>	CUSTOMER_ID	Customer ID number	INT	999999	10000-99999	Y	PK, FK	<b>CUSTOMER</b>
	NEW_TRANSACTNO	New Customer transaction No.	VARCHAR (50)	Xxxxxxx		Y		
<b>PRODUC TS</b>	PRODUCT_ID	Product ID no.	INT	999999	10000-99999	Y	PK	
	PRODUCT_TYPE	Product type	VARCHAR (30)	Xxxxxxx		Y		
	PRODUCT_DATE	Production date	DATE	YYYY-MM-DD		Y		
	PRODUCT_WARRANTY	Product warranty date	DATE	YYYY-MM-DD		Y		
	CUSTOMER_ID	Customer ID	INT	999999	10000-99999	Y	FK	
<b>ORDERS</b>	ORDER_NUM	Order number	INT	999999	10000-99999	Y	PK	
	ORDER_ITEMS	Items ordered	VARCHAR (30)	Xxxxxxx		Y		
	ORDER_QTY	Number of ordered items	INT	999999	10000-99999	Y		
	ORDER_DATE	Order date	DATE	YYYY-MM-DD		Y		
	CUSTOMER_ID	Customer Id	INT	999999	10000-99999	Y	FK1	
	AGENT_ID	Agent ID	INT	999999	10000-99999	Y	FK2	
<b>PAYMEN T</b>	PAY_NUM	Payment number	INT	999999	10000-99999	Y	PK	
	PAY_DESC	Payment description	VARCHAR (40)	Xxxxxxx		Y		
	PAY_TOTALAMNT	Total amount of payment	DECIMAL (10,3)	10000.999		Y		
	PAY_DATW	Payment data	VARCHAR (30)	Xxxxxxx		Y		
	AGENT_ID	Agent ID	INT	999999	10000-99999	Y	FK1	
	CUSTOMER_ID	Customer ID	INT	999999	10000-99999	Y	FK2	
<b>CHEQUE_ PAYMEN T</b>	CP_NUM	Cheque number	VARCHAR (30)	Xxxxxxx		Y	PK	
	CP_BANK	Bank of the Cheque given	VARCHAR (30)	Xxxxxxx		Y		
	CP_AMNT	Total amount	DECIMAL (10,3)	10000.999		Y		
	CP_DATE	Date of the cheque	DATE	YYYY-MM-DD		Y		
	CUSTOMER_ID	Customer ID	INT	999999	10000-99999	Y	FK1	

<b>OFFICIAL _RECIEPT</b>	OR_NUM	Official Receipt Number	INT	999999	10000-99999	Y	PK	<b>AGENT</b>
	OR_ITEMS	Official receipt items	VARCHAR (30)	Xxxxxxx		Y		
	OR_TOTALAMNT	Total amount paid	DECIMAL (10,3)	10000.999		Y		
	OR_DATE	Official receipt date issued	DATE	YYYY-MM-DD		Y		
	AGENT_ID	Agent ID no.	INT	999999	10000-99999	Y	FK1	

## COMPANY\_PRODUCTION\_PERSONNEL:

### INSERT:

```
MariaDB [test]> insert into company_production_personnel values (123,'montaos','luis','1996-09-19','manager');
Query OK, 1 row affected (0.13 sec)
```

```
MariaDB [test]> insert into company_production_personnel values (288,'alovera','joseph','1997-08-01','secretary');
Query OK, 1 row affected (0.13 sec)
```

```
MariaDB [test]> insert into company_production_personnel values (251,'cabamongan','edrei','1997-02-14','agent');
Query OK, 1 row affected (0.07 sec)
```

```
MariaDB [test]> insert into company_production_personnel values (111,'buted','didray','1994-02-15','regular');
Query OK, 1 row affected (0.23 sec)
```

```
MariaDB [test]>
```

```
MariaDB [test]> insert into company_production_personnel values (231,'remoquillo','jamielyn','1997-04-13','staff');
Query OK, 1 row affected (0.09 sec)
```

```
MariaDB [test]> insert into company_production_personnel values (444,'bernales','bri','1995-11-21','Maintenance');
Query OK, 1 row affected (0.07 sec)
```

```
MariaDB [test]>
```

```
MariaDB [test]> select * from company_production_personnel;
```

EMP_ID	EMP_LNAME	EMP_FNAME	EMP_BDAY	EMP_TYPE
111	buted	didray	1994-02-15	regular
123	montaos	luis	1996-09-19	manager
231	remoquillo	jamielyn	1997-04-13	staff
251	cabamongan	edrei	1997-02-14	agent
288	alovera	joseph	1997-08-01	secretary
444	bernales	bri	1995-11-21	Maintenance

```
6 rows in set (0.14 sec)
```

```
MariaDB [test]>
```

Select:

```
MariaDB [test]> select * from company_production_personnel;
+-----+-----+-----+-----+-----+
| EMP_ID | EMP_LNAME | EMP_FNAME | EMP_BDAY   | EMP_TYPE |
+-----+-----+-----+-----+-----+
| 111    | buted     | didray    | 1994-02-15 | regular  |
| 123    | montaos   | luis      | 1996-09-19 | manager  |
| 231    | remoquillo | jamielyn  | 1997-04-13 | staff    |
| 251    | cabamongan | edrei     | 1997-02-14 | agent    |
| 288    | alovera   | joseph    | 1997-08-01 | secretary |
| 444    | bernaes   | bri       | 1995-11-21 | Maintenance |
+-----+-----+-----+-----+-----+
6 rows in set (0.14 sec)

MariaDB [test]>
```

```
MariaDB [test]> select emp_id from company_production_personnel;
+-----+
| emp_id |
+-----+
| 111    |
| 123    |
| 231    |
| 251    |
| 288    |
| 444    |
+-----+
6 rows in set (0.00 sec)

MariaDB [test]>
```

```
MariaDB [test]> select emp_lname, emp_fname from company_production_personnel;
+-----+-----+
| emp_lname | emp_fname |
+-----+-----+
| buted     | didray    |
| montaos   | luis      |
| remoquillo | jamielyn  |
| cabamongan | edrei     |
| alovera   | joseph    |
| bernaes   | bri       |
+-----+-----+
6 rows in set (0.00 sec)

MariaDB [test]>
```

```
MariaDB [test]> select emp_type, emp_lname from company_production_personnel where emp_id='123';
+-----+-----+
| emp_type | emp_lname |
+-----+-----+
| manager  | montaos   |
+-----+-----+
1 row in set (0.06 sec)
```

```
MariaDB [test]> select emp_id from company_production_personnel order by emp_lname;
+-----+
| emp_id |
+-----+
|    288 |
|    444 |
|    111 |
|    251 |
|    123 |
|    231 |
+-----+
6 rows in set (0.00 sec)

MariaDB [test]>
```

#### update:

```
MariaDB [test]> update company_production_personnel set emp_lname='reyes' where emp_id='111';
Query OK, 1 row affected (0.19 sec)
Rows matched: 1  Changed: 1  Warnings: 0
```

```
MariaDB [test]> update company_production_personnel set emp_fname='christian' where emp_type='manager';
Query OK, 1 row affected (0.13 sec)
Rows matched: 1  Changed: 1  Warnings: 0
```

```
MariaDB [test]> update company_production_personnel set emp_id='666' where emp_lname='remoquillo';
Query OK, 1 row affected (0.12 sec)
Rows matched: 1  Changed: 1  Warnings: 0
```

```
MariaDB [test]> update company_production_personnel set emp_bday='1998-11-01' where emp_fname='edrei';
Query OK, 1 row affected (0.09 sec)
Rows matched: 1  Changed: 1  Warnings: 0
```

```
MariaDB [test]> update company_production_personnel set emp_fname='edgardo' where emp_id='288';
Query OK, 1 row affected (0.08 sec)
Rows matched: 1  Changed: 1  Warnings: 0
```

```
MariaDB [test]>
```

```
MariaDB [test]> select * from company_production_personnel;
+-----+-----+-----+-----+-----+
| EMP_ID | EMP_LNAME | EMP_FNAME | EMP_BDAY | EMP_TYPE |
+-----+-----+-----+-----+-----+
|    111 | reyes     | didray    | 1994-02-15 | regular  |
|    123 | montaos   | christian   | 1996-09-19 | manager  |
|    251 | cabamongan | edrei     | 1998-11-01 | agent    |
|    288 | alovera   | edgardo    | 1997-08-01 | secretary |
|    444 | bernaless | bri        | 1995-11-21 | Maintenance |
|    666 | remoquillo | jamielyn   | 1997-04-13 | staff    |
+-----+-----+-----+-----+-----+
6 rows in set (0.00 sec)

MariaDB [test]>
```

### Delete:

```
MariaDB [test]> delete from company_production_personnel where emp_id='111';
Query OK, 1 row affected (0.10 sec)

MariaDB [test]> delete from company_production_personnel where emp_lname='montaos';
Query OK, 1 row affected (0.10 sec)

MariaDB [test]> delete from company_production_personnel where emp_fname='edrei';
Query OK, 1 row affected (0.14 sec)

MariaDB [test]> delete from company_production_personnel where emp_bday='1997-08-01';
Query OK, 1 row affected (0.08 sec)

MariaDB [test]> delete from company_production_personnel where emp_type='staff';
Query OK, 1 row affected (0.09 sec)
```

```
MariaDB [test]> select * from company_production_personnel;
+-----+-----+-----+-----+-----+
| EMP_ID | EMP_LNAME | EMP_FNAME | EMP_BDAY | EMP_TYPE |
+-----+-----+-----+-----+-----+
| 444 | bernaless | bri | 1995-11-21 | Maintenance |
+-----+-----+-----+-----+-----+
1 row in set (0.00 sec)

MariaDB [test]>
```

### Purchase

#### Insert:

```
MariaDB [test]> insert into purchase values (1,'gold spoon','2019-05-25','500',1000.00,'Purchased');
Query OK, 1 row affected (0.13 sec)

MariaDB [test]> insert into purchase values (2,'silver spatula','2019-09-20','250',1350.00,'Pending');
Query OK, 1 row affected (0.10 sec)
```

```
MariaDB [test]> insert into purchase values (3,'Frying pan','2019-07-14','100',50000,'Purchased');
Query OK, 1 row affected (0.13 sec)

MariaDB [test]>
```

```
MariaDB [test]> insert into purchase values (4,'Kitchen stove','2019-08-1','1',75000,'Purchased');
Query OK, 1 row affected (0.07 sec)

MariaDB [test]> insert into purchase values (5,'Oven','2019-09-19','1',150000,'Pending');
Query OK, 1 row affected (0.08 sec)

MariaDB [test]>
```

Select:

```
MariaDB [test]> select * from purchase;
```

P_NUM	P_ITEM	P_DATE	P_QTY	P_AMOUNT	P_STATUS
1	gold spoon	2019-05-25	500	1000	Purchased
2	silver spatula	2019-09-20	250	1350	Pending
3	Frying pan	2019-07-14	100	50000	Purchased
4	Kitchen stove	2019-08-01	1	75000	Purchased
5	Oven	2019-09-19	1	150000	Pending

```
5 rows in set (0.00 sec)

MariaDB [test]>
```

```
MariaDB [test]> select p_num, p_date from purchase;
```

p_num	p_date
1	2019-05-25
2	2019-09-20
3	2019-07-14
4	2019-08-01
5	2019-09-19

```
5 rows in set (0.00 sec)
```

```
MariaDB [test]> select p_num, p_date from purchase where p_qty='100';
```

p_num	p_date
3	2019-07-14

```
1 row in set (0.00 sec)
```

```
MariaDB [test]> select p_item, p_status from purchase where p_date='2019-07-14';
```

p_item	p_status
Frying pan	Purchased

```
1 row in set (0.03 sec)
```

```
MariaDB [test]> select p_status from purchase where p_status like 'purcha%';
```

p_status
Purchased
Purchased
Purchased

```
3 rows in set (0.03 sec)

MariaDB [test]>
```

### Update:

```
MariaDB [test]> update purchase set p_item='golden spatula' where p_num='2';
Query OK, 1 row affected (0.15 sec)
Rows matched: 1  Changed: 1  Warnings: 0
```

```
MariaDB [test]> update purchase set p_status='pending' where p_qty='100';
Query OK, 1 row affected (0.10 sec)
Rows matched: 1  Changed: 1  Warnings: 0
```

```
MariaDB [test]> update purchase set p_num='42' where p_date='2019-08-01';
Query OK, 1 row affected (0.09 sec)
Rows matched: 1  Changed: 1  Warnings: 0
```

```
MariaDB [test]> update purchase set p_amount='100' where p_item='oven';
Query OK, 1 row affected (0.10 sec)
Rows matched: 1  Changed: 1  Warnings: 0
```

```
MariaDB [test]>
```

```
MariaDB [test]> update purchase set p_qty='999' where p_num='1';
Query OK, 1 row affected (0.10 sec)
Rows matched: 1  Changed: 1  Warnings: 0
```

```
MariaDB [test]> select * from purchase;
```

P_NUM	P_ITEM	P_DATE	P_QTY	P_AMOUNT	P_STATUS
1	gold spoon	2019-05-25	999	1000	Purchased
2	golden spatula	2019-09-20	250	1350	Pending
3	Frying pan	2019-07-14	100	50000	pending
5	Oven	2019-09-19	1	100	Pending
42	Kitchen stove	2019-08-01	1	75000	Purchased

```
5 rows in set (0.00 sec)
```

```
MariaDB [test]>
```



## DELETE:

```
MariaDB [test]> delete from purchase where p_date='2019-05-25';
Query OK, 1 row affected (0.13 sec)

MariaDB [test]> delete from purchase where p_item='golden spatula';
Query OK, 1 row affected (0.35 sec)

MariaDB [test]> delete from purchase where p_num='3';
Query OK, 1 row affected (0.20 sec)

MariaDB [test]> delete from purchase where p_amount='100';
Query OK, 1 row affected (0.13 sec)

MariaDB [test]> delete from purchase where p_item='kitchen stove';
Query OK, 1 row affected (0.16 sec)

MariaDB [test]> select * from purchase;
Empty set (0.03 sec)

MariaDB [test]>
```

## Company\_Finance\_Personnel

### Insert:

```
MariaDB [test]> insert into company_finance_personnel values (23123,'Leonardo','Pajarillaga','Budget officer');
Query OK, 1 row affected (0.12 sec)

MariaDB [test]> insert into company_finance_personnel values (21123,'Luis','Montaos','Financial analyst');
Query OK, 1 row affected (0.09 sec)

MariaDB [test]> insert into company_finance_personnel values (11032,'Edrei','Cabamongan','Treasurer');
Query OK, 1 row affected (0.06 sec)

MariaDB [test]> insert into company_finance_personnel values (41662,'Joseph','Alovera','Secretary');
Query OK, 1 row affected (0.06 sec)

MariaDB [test]> insert into company_finance_personnel values (12359,'Didray','Buted','Manager');
Query OK, 1 row affected (0.08 sec)

MariaDB [test]> insert into company_finance_personnel values (21890,'Marco','Po','Assistant Treasurer');
Query OK, 1 row affected (0.09 sec)

MariaDB [test]>
```

### Select:

```
MariaDB [test]> select * from company_finance_personnel;
```

FINANCE_ID	FINANCE_FNAME	FINANCE_LNAME	FINANCE_POSITION
11032	Edrei	Cabamongan	Treasurer
12359	Didray	Buted	Manager
21123	Luis	Montaos	Financial analyst
21890	Marco	Po	Assistant Treasurer
23123	Leonardo	Pajarillaga	Budget officer
41662	Joseph	Alovera	Secretary

```
6 rows in set (0.00 sec)
```

```
MariaDB [test]> select finance_id from company_finance_personnel;
```

finance_id
11032
12359
21123
21890
23123
41662

```
6 rows in set (0.00 sec)
```

```
MariaDB [test]> select finance_id, finance_position from company_finance_personnel;
```

finance_id	finance_position
11032	Treasurer
12359	Manager
21123	Financial analyst
21890	Assistant Treasurer
23123	Budget officer
41662	Secretary

```
6 rows in set (0.00 sec)
```

```
MariaDB [test]> select finance_id from company_finance_personnel where finance_position=
-> 'manager';
```

finance_id
12359

```
1 row in set (0.04 sec)
```

```
MariaDB [test]> select finance_position from company_finance_personnel where finance_position like 'ass%';
```

finance_position
Assistant Treasurer

```
1 row in set (0.00 sec)
```

```
MariaDB [test]>
```

### Update:

```
MariaDB [test]> update company_finance_personnel set finance_lname='reyes' where finance_id='11032';
Query OK, 1 row affected (0.11 sec)
Rows matched: 1 Changed: 1 Warnings: 0
```

```

MariaDB [test]> update company_finance_personnel set finance_fname='edgardo' where finance_position='manager';
Query OK, 1 row affected (0.09 sec)
Rows matched: 1 Changed: 1 Warnings: 0

MariaDB [test]> update company_finance_personnel set finance_id='666' where finance_fname='luis';
Query OK, 1 row affected (0.13 sec)
Rows matched: 1 Changed: 1 Warnings: 0

MariaDB [test]> update company_finance_personnel set finance_position='Janitor' where finance_lname='alovera';
Query OK, 1 row affected (0.09 sec)
Rows matched: 1 Changed: 1 Warnings: 0

MariaDB [test]> update company_finance_personnel set finance_id='619' where finance_fname='leonardo';
Query OK, 1 row affected (0.10 sec)
Rows matched: 1 Changed: 1 Warnings: 0

MariaDB [test]>

```

```

MariaDB [test]> select * from company_finance_personnel;
+-----+-----+-----+-----+
| FINANCE_ID | FINANCE_FNAME | FINANCE_LNAME | FINANCE_POSITION |
+-----+-----+-----+-----+
|          619 | Leonardo      | Pajarillaga   | Budget officer   |
|          666 | Luis          | Montaos       | Financial analyst |
|         11032 | Edrei         | reyes         | Treasurer        |
|         12359 | edgardo       | Buted         | Manager          |
|         21890 | Marco         | Po            | Assistant Treasurer |
|         41662 | Joseph       | Alovera       | Janitor          |
+-----+-----+-----+-----+
6 rows in set (0.00 sec)

```

### Delete:

```

MariaDB [test]> delete from company_finance_personnel where finance_id='619';
Query OK, 1 row affected (0.08 sec)

MariaDB [test]> delete from company_finance_personnel where finance_fname='Luis';
Query OK, 1 row affected (0.07 sec)

MariaDB [test]> delete from company_finance_personnel where finance_lname='reyes';
Query OK, 1 row affected (0.07 sec)

MariaDB [test]> delete from company_finance_personnel where finance_position='assistant treasurer';
Query OK, 1 row affected (0.08 sec)

MariaDB [test]> delete from company_finance_personnel where finance_position like '4162%';
Query OK, 0 rows affected (0.00 sec)

MariaDB [test]> select * from company_finance_personnel;
+-----+-----+-----+-----+
| FINANCE_ID | FINANCE_FNAME | FINANCE_LNAME | FINANCE_POSITION |
+-----+-----+-----+-----+
|         12359 | edgardo       | Buted         | Manager          |
|         41662 | Joseph       | Alovera       | Janitor          |
+-----+-----+-----+-----+
2 rows in set (0.00 sec)

```

## Customer

### Insert:

```
MariaDB [test]> INSERT into customer values (24,'Brian Bernales','Makati City','bri@gmail.com','New');
Query OK, 1 row affected (0.11 sec)

MariaDB [test]> INSERT into customer values (19,'Gelo Bernales','Makati City','gelo@gmail.com','Old');
Query OK, 1 row affected (0.08 sec)

MariaDB [test]> INSERT into customer values (11,'Jamie Remoquillo','Manila City','jmr@gmail.com','Old');
Query OK, 1 row affected (0.08 sec)

MariaDB [test]> INSERT into customer values (26,'Jam Capillo','Mandaluyong City','jamcllo@gmail.com','New');
Query OK, 1 row affected (0.09 sec)

MariaDB [test]> INSERT into customer values (27,'Paul Foronda','Laguna City','pfrnda@gmail.com','New');
Query OK, 1 row affected (0.10 sec)

MariaDB [test]> INSERT into customer values (10,'Yvette Ocampo','Baguio City','yvtt@gmail.com','Old');
Query OK, 1 row affected (0.09 sec)
```

## Select:

```
MariaDB [test]> select * from customer;
```

CUST_ID	CUST_NAME	CUST_ADD	CUST_EMAIL	CUST_STATUS
10	Yvette Ocampo	Baguio City	yvtte@gmail.com	Old
11	Jamie Remoquillo	Manila City	jmr@gmail.com	Old
19	Gelo Bernales	Makati City	gelo@gmail.com	Old
24	Brian Bernales	Makati City	bri@gmail.com	New
26	Jam Capillo	Mandaluyong City	jamcllo@gmail.com	New
27	Paul Foronda	Laguna City	pfrnda@gmail.com	New

```
6 rows in set (0.00 sec)
```

```
MariaDB [test]> select cust_name from customer;
```

cust_name
Yvette Ocampo
Jamie Remoquillo
Gelo Bernales
Brian Bernales
Jam Capillo
Paul Foronda

```
6 rows in set (0.05 sec)
```

```
MariaDB [test]> select cust_add, cust_email from customer;
```

cust_add	cust_email
Baguio City	yvtte@gmail.com
Manila City	jmr@gmail.com
Makati City	gelo@gmail.com
Makati City	bri@gmail.com
Mandaluyong City	jamcllo@gmail.com
Laguna City	pfrnda@gmail.com

```
6 rows in set (0.00 sec)
```

```
MariaDB [test]> select cust_add from customer where cust_email='jamcllo@gmail.com';
```

cust_add
Mandaluyong City

```
1 row in set (0.06 sec)
```

```
MariaDB [test]> select cust_add, cust_name from customer where cust_add='Makati City';
```

cust_add	cust_name
Makati City	Gelo Bernales
Makati City	Brian Bernales

```
2 rows in set (0.00 sec)
```

```
MariaDB [test]>
```

### Update:

```
MariaDB [test]> update customer set cust_name='Reyes yvette' WHERE cust_id='10';
Query OK, 1 row affected (0.08 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [test]> update customer set cust_id='99' WHERE cust_name='remoquillo';
Query OK, 0 rows affected (0.00 sec)
Rows matched: 0  Changed: 0  Warnings: 0

MariaDB [test]> update customer set cust_email='rawr@gmail.com' WHERE cust_name='Jamie Remoquillo';
Query OK, 1 row affected (0.05 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [test]> update customer set cust_id='99' WHERE cust_name='Gelo Bernales';
Query OK, 1 row affected (0.09 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [test]> update customer set cust_status='Old' WHERE cust_email='jamcllo@gmail.com';
Query OK, 1 row affected (0.06 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [test]>
```

```
MariaDB [test]> select * from customer;
+-----+-----+-----+-----+-----+
| CUST_ID | CUST_NAME | CUST_ADD | CUST_EMAIL | CUST_STATUS |
+-----+-----+-----+-----+-----+
| 10 | Reyes yvette | Baguio City | yvtte@gmail.com | Old |
| 11 | Jamie Remoquillo | Manila City | rawr@gmail.com | Old |
| 24 | Brian Bernales | Makati City | bri@gmail.com | New |
| 26 | Jam Capillo | Mandaluyong City | jamcllo@gmail.com | Old |
| 27 | Paul Foronda | Laguna City | pfrnda@gmail.com | New |
| 99 | Gelo Bernales | Makati City | gelo@gmail.com | Old |
+-----+-----+-----+-----+-----+
6 rows in set (0.00 sec)

MariaDB [test]>
```

### Delete:

```
MariaDB [test]> delete from customer where cust_id='10';
Query OK, 1 row affected (0.09 sec)

MariaDB [test]> delete from customer where cust_name='Jamie Remoquillo';
Query OK, 1 row affected (0.08 sec)

MariaDB [test]> delete from customer where cust_add='Mandaluyong City';
Query OK, 1 row affected (0.05 sec)

MariaDB [test]> delete from customer where cust_email='bri@gmail.com';
Query OK, 1 row affected (0.04 sec)

MariaDB [test]> delete from customer where cust_status='new';
Query OK, 1 row affected (0.05 sec)
```

```

MariaDB [test]> select * from customer;
+-----+-----+-----+-----+-----+
| CUST_ID | CUST_NAME   | CUST_ADD   | CUST_EMAIL   | CUST_STATUS |
+-----+-----+-----+-----+-----+
|      99 | Gelo Bernales | Makati City | gelo@gmail.com | Old         |
+-----+-----+-----+-----+-----+
1 row in set (0.00 sec)

MariaDB [test]>

```

## Bureau\_of\_customs

### Insert:

```

MariaDB [test]> INSERT INTO bureau_of_customs values (1,'Samuel','Gellidon','Omaewa','1989-08-21','Agent');
Query OK, 1 row affected (0.10 sec)

MariaDB [test]> INSERT INTO bureau_of_customs values (2,'Zeny','Reyes','Tarda','1988-01-03','Regular');
Query OK, 1 row affected (0.09 sec)

MariaDB [test]> INSERT INTO bureau_of_customs values (3,'Darwin','Liga','Mana','1991-02-14','Personnel');
Query OK, 1 row affected (0.08 sec)

MariaDB [test]> INSERT INTO bureau_of_customs values (4,'Alam','Gusion','ching','1992-01-01','Manager');
Query OK, 1 row affected (0.08 sec)

MariaDB [test]> INSERT INTO bureau_of_customs values (5,'Ferdie','Nana','Alma','1997-04-24','Secretary');
Query OK, 1 row affected (0.08 sec)

MariaDB [test]> INSERT INTO bureau_of_customs values (6,'Eudora','Almira','Forbes','1989-11-10','Staff');
Query OK, 1 row affected (0.10 sec)

```

Select:

```
MariaDB [test]> select * from bureau_of_customs;
+-----+-----+-----+-----+-----+-----+
| BCUS_ID | BCUS_FNAME | BCUS_LNAME | BCUS_INAME | BCUS_BDAY | BCUS_TYPE |
+-----+-----+-----+-----+-----+-----+
|      1 | Samuel    | Gellidon   | Omaewa     | 1989-08-21 | Agent      |
|      2 | Zeny      | Reyes      | Tarda      | 1988-01-03 | Regular    |
|      3 | Darwin    | Liga       | Mana       | 1991-02-14 | Personnel  |
|      4 | Alam      | Gusion     | ching      | 1992-01-01 | Manager    |
|      5 | Ferdie    | Nana       | Alma       | 1997-04-24 | Secretary  |
|      6 | Eudora    | Almira     | Forbes     | 1989-11-10 | Staff      |
+-----+-----+-----+-----+-----+-----+
6 rows in set (0.00 sec)
```

```
MariaDB [test]> select bcus_id from bureau_of_customs;
+-----+
| bcus_id |
+-----+
|      1 |
|      2 |
|      3 |
|      4 |
|      5 |
|      6 |
+-----+
6 rows in set (0.00 sec)
```

```
MariaDB [test]> select bcus_id, bcus_lname from bureau_of_customs;
+-----+-----+
| bcus_id | bcus_lname |
+-----+-----+
|      1 | Gellidon   |
|      2 | Reyes      |
|      3 | Liga       |
|      4 | Gusion     |
|      5 | Nana       |
|      6 | Almira     |
+-----+-----+
6 rows in set (0.00 sec)
```

```
MariaDB [test]> select bcus_id from bureau_of_customs where bcus_fname='Zeny';
+-----+
| bcus_id |
+-----+
|      2 |
+-----+
1 row in set (0.00 sec)
```

```
MariaDB [test]> select bcus_type from bureau_of_customs where bcus_id='5';
+-----+
| bcus_type |
+-----+
| Secretary |
+-----+
1 row in set (0.03 sec)
```



### Update:

```
MariaDB [test]> update bureau_of_customs set bcus_id='24' WHERE bcus_fname='samuel';
Query OK, 1 row affected (0.11 sec)
Rows matched: 1  Changed: 1  Warnings: 0
```

```
MariaDB [test]> update bureau_of_customs set bcus_fname='Valir' WHERE bcus_iname='Tarda';
Query OK, 1 row affected (0.07 sec)
Rows matched: 1  Changed: 1  Warnings: 0
```

```
MariaDB [test]> update bureau_of_customs set bcus_lname='Badang' WHERE bcus_bday='1991-02-14';
Query OK, 1 row affected (0.09 sec)
Rows matched: 1  Changed: 1  Warnings: 0
```

```
MariaDB [test]> update bureau_of_customs set bcus_bday='2001-01-09' WHERE bcus_type='Manager';
Query OK, 1 row affected (0.08 sec)
Rows matched: 1  Changed: 1  Warnings: 0
```

```
MariaDB [test]> update bureau_of_customs set bcus_type='Maintenance' WHERE bcus_id='5';
Query OK, 1 row affected (0.06 sec)
Rows matched: 1  Changed: 1  Warnings: 0
```

```
MariaDB [test]> select * from bureau_of_customs;
```

BCUS_ID	BCUS_FNAME	BCUS_LNAME	BCUS_INAME	BCUS_BDAY	BCUS_TYPE
2	Valir	Reyes	Tarda	1988-01-03	Regular
3	Darwin	Badang	Mana	1991-02-14	Personnel
4	Alam	Gusion	ching	2001-01-09	Manager
5	Ferdie	Nana	Alma	1997-04-24	Maintenance
6	Eudora	Almira	Forbes	1989-11-10	Staff
24	Samuel	Gellidon	Omaewa	1989-08-21	Agent

```
6 rows in set (0.00 sec)
```

```
MariaDB [test]>
```

### Product:

#### Insert:

```
MariaDB [test]> insert into Products
-> values ('1001','Knife', '2019-09-02','2019-10-02', '10'),
-> ('1002','Spoon', '2019-09-21','2019-10-21', '11'),
-> ('1003','Chopsticks', '2019-10-12','2019-11-15', '24'),
-> ('1004','Fork', '2019-05-02','2019-08-03', '26'),
-> ('1005','Chopping Board', '2019-08-02','2019-09-05', '27'),
-> ('1006','Spatulas', '2019-12-30','2020-01-09', '99');
```

```
Query OK, 6 rows affected (0.118 sec)
Records: 6  Duplicates: 0  Warnings: 0
```

#### Alter inserting new column in the table:

```
MariaDB [test]> alter table products add Product_Price decimal(10,3);
Query OK, 0 rows affected (0.193 sec)
Records: 0  Duplicates: 0  Warnings: 0
```

## Select:

```
MariaDB [test]> select * from products;
```

Product_ID	Product_Type	Product_Date	Product_Warranty	Cust_ID	Product_Price
1001	Knife	2019-09-02	2019-10-02	10	1500.450
1002	Spoon	2019-09-21	2019-10-21	11	130.056
1003	Chopsticks	2019-10-12	2019-11-15	24	250.025
1004	Fork	2019-05-02	2019-08-03	26	130.056
1005	Chopping Board	2019-08-02	2019-09-05	27	500.075
1006	Spatulas	2019-12-30	2020-01-09	99	110.175

6 rows in set (0.000 sec)

```
MariaDB [test]> select Product_ID, Product_Type, Product_Price from products;
```

Product_ID	Product_Type	Product_Price
1001	Knife	1500.450
1002	Spoon	130.056
1003	Chopsticks	250.025
1004	Fork	130.056
1005	Chopping Board	500.075
1006	Spatulas	110.175

6 rows in set (0.055 sec)

```
MariaDB [test]> select product_Type, Product_Price, Cust_ID from products where Product_ID = '1004';
```

product_Type	Product_Price	Cust_ID
Fork	130.056	26

1 row in set (0.072 sec)

```
MariaDB [test]> select product_Type, Product_Date, Product_Warranty from products where Product_Type like 'S%';
```

product_Type	Product_Date	Product_Warranty
Spoon	2019-09-21	2019-10-21
Spatulas	2019-12-30	2020-01-09

2 rows in set (0.074 sec)

```
MariaDB [test]> select product_Type, Product_Price from products order by product_Type;
```

product_Type	Product_Price
Chopping Board	500.075
Chopsticks	250.025
Fork	130.056
Knife	1500.450
Spatulas	110.175
Spoon	130.056

6 rows in set (0.067 sec)

```
MariaDB [test]> select distinct(product_type) from products;
```

```
+-----+
| product_type |
+-----+
| Knife        |
| Spoon        |
| Chopsticks   |
| Fork         |
| Chopping Board |
| Spatulas     |
+-----+
```

```
6 rows in set (0.063 sec)
```

### Update:

```
MariaDB [test]> update products set product_ID = '2002' where product_Type = 'knife';
Query OK, 1 row affected (0.109 sec)
Rows matched: 1  Changed: 1  Warnings: 0
```

```
MariaDB [test]> select * from products where product_ID = '2002';
```

```
+-----+-----+-----+-----+-----+-----+
| Product_ID | Product_Type | Product_Date | Product_Warranty | Cust_ID | Product_Price |
+-----+-----+-----+-----+-----+-----+
| 2002       | Knife        | 2019-09-02   | 2019-10-02      | 10      | 1500.450      |
+-----+-----+-----+-----+-----+-----+
```

```
1 row in set (0.000 sec)
```

```
MariaDB [test]> update products set product_Date = '2018-04-02' where product_ID =
-> '1004';
```

```
Query OK, 1 row affected (0.122 sec)
Rows matched: 1  Changed: 1  Warnings: 0
```

```
MariaDB [test]> select * from products where product_ID = '1004';
```

```
+-----+-----+-----+-----+-----+-----+
| Product_ID | Product_Type | Product_Date | Product_Warranty | Cust_ID | Product_Price |
+-----+-----+-----+-----+-----+-----+
| 1004       | Fork        | 2018-04-02   | 2019-08-03      | 26      | 130.056       |
+-----+-----+-----+-----+-----+-----+
```

```
1 row in set (0.000 sec)
```

```
MariaDB [test]> update products set product_Warranty = '2020-06-02' where cust_ID = '99';
Query OK, 1 row affected (0.053 sec)
```

```
Rows matched: 1  Changed: 1  Warnings: 0
```

```
MariaDB [test]> select * from products where cust_ID = '99';
```

```
+-----+-----+-----+-----+-----+-----+
| Product_ID | Product_Type | Product_Date | Product_Warranty | Cust_ID | Product_Price |
+-----+-----+-----+-----+-----+-----+
| 1006       | Spatulas     | 2019-12-30   | 2020-06-02      | 99      | 110.175       |
+-----+-----+-----+-----+-----+-----+
```

```
1 row in set (0.000 sec)
```

```
MariaDB [test]> update products set cust_ID = '21' where Product_ID = '1005';
Query OK, 1 row affected (0.113 sec)
Rows matched: 1  Changed: 1  Warnings: 0
```

```
MariaDB [test]> select * from products where product_ID = '1005';
+-----+-----+-----+-----+-----+-----+
| Product_ID | Product_Type | Product_Date | Product_Warranty | Cust_ID | Product_Price |
+-----+-----+-----+-----+-----+-----+
| 1005 | Chopping Board | 2019-08-02 | 2019-09-05 | 21 | 500.075 |
+-----+-----+-----+-----+-----+-----+
1 row in set (0.000 sec)
```

```
MariaDB [test]> update products set Product_type = 'Scissors' where Product_ID = '1006';
Query OK, 1 row affected (0.070 sec)
Rows matched: 1  Changed: 1  Warnings: 0
```

```
MariaDB [test]> select * from products where cust_ID ='99';
+-----+-----+-----+-----+-----+-----+
| Product_ID | Product_Type | Product_Date | Product_Warranty | Cust_ID | Product_Price |
+-----+-----+-----+-----+-----+-----+
| 1006 | Scissors | 2019-12-30 | 2020-06-02 | 99 | 110.175 |
+-----+-----+-----+-----+-----+-----+
1 row in set (0.000 sec)
```

## Delete:

```
MariaDB [test]> delete from products where product_Type like '_ciss%';
Query OK, 1 row affected (0.123 sec)
```

```
MariaDB [test]> select * from products;
+-----+-----+-----+-----+-----+-----+
| Product_ID | Product_Type | Product_Date | Product_Warranty | Cust_ID | Product_Price |
+-----+-----+-----+-----+-----+-----+
| 2002 | Knife | 2019-09-02 | 2019-10-02 | 10 | 1500.450 |
| 1002 | Spoon | 2019-09-21 | 2019-10-21 | 11 | 130.056 |
| 1003 | Chopsticks | 2019-10-12 | 2019-11-15 | 24 | 250.025 |
| 1004 | Fork | 2018-04-02 | 2019-08-03 | 26 | 130.056 |
| 1005 | Chopping Board | 2019-08-02 | 2019-09-05 | 21 | 500.075 |
+-----+-----+-----+-----+-----+-----+
5 rows in set (0.000 sec)
```

```
MariaDB [test]> delete from products where product_ID = '2002';
Query OK, 1 row affected (0.130 sec)
```

```
MariaDB [test]> select * from products;
+-----+-----+-----+-----+-----+-----+
| Product_ID | Product_Type | Product_Date | Product_Warranty | Cust_ID | Product_Price |
+-----+-----+-----+-----+-----+-----+
| 1002 | Spoon | 2019-09-21 | 2019-10-21 | 11 | 130.056 |
| 1003 | Chopsticks | 2019-10-12 | 2019-11-15 | 24 | 250.025 |
| 1004 | Fork | 2018-04-02 | 2019-08-03 | 26 | 130.056 |
| 1005 | Chopping Board | 2019-08-02 | 2019-09-05 | 21 | 500.075 |
+-----+-----+-----+-----+-----+-----+
4 rows in set (0.000 sec)
```

```
MariaDB [test]> delete from products where product_Price between 250.000 AND 300.000;  
Query OK, 1 row affected (0.076 sec)
```

```
MariaDB [test]> select * from products;
```

Product_ID	Product_Type	Product_Date	Product_Warranty	Cust_ID	Product_Price
1002	Spoon	2019-09-21	2019-10-21	11	130.056
1004	Fork	2018-04-02	2019-08-03	26	130.056
1005	Chopping Board	2019-08-02	2019-09-05	21	500.075

3 rows in set (0.000 sec)

```
MariaDB [test]> delete from products where Product_Type like 's%';  
Query OK, 1 row affected (0.950 sec)
```

```
MariaDB [test]> select * from products;
```

Product_ID	Product_Type	Product_Date	Product_Warranty	Cust_ID	Product_Price
1004	Fork	2018-04-02	2019-08-03	26	130.056
1005	Chopping Board	2019-08-02	2019-09-05	21	500.075

2 rows in set (0.000 sec)

```
MariaDB [test]> delete from products where product_Price >=100.000 and product_Price <= 250.00;  
Query OK, 1 row affected (0.077 sec)
```

```
MariaDB [test]> select * from products;
```

Product_ID	Product_Type	Product_Date	Product_Warranty	Cust_ID	Product_Price
1005	Chopping Board	2019-08-02	2019-09-05	21	500.075

1 row in set (0.000 sec)

```
MariaDB [test]>
```

## APPENDICES

### I. Screen Display



**SITALDASONS INTERNATIONAL**  
EXPORTER • IMPORTER • WHOLESALER

EMPLOYEE

CUSTOMER

FAQS

The user would choose between Employee or Customers. It would be directed to the login page for the employee or the customer.



**SITALDASONS INTERNATIONAL**  
EXPORTER • IMPORTER • WHOLESALER

EMPLOYEE

Employee ID

Password

LOG IN

The screenshot shows a web interface for Sitaldasons International, an exporter, importer, and wholesaler. The header features a logo with a red globe and a black 'S' on the left, and the company name and roles in bold black text on the right. Below the header, there is a white box containing a 'CUSTOMER' label, a 'Customer ID' input field, a 'Password' input field, a 'Remember me?' checkbox, and two buttons: 'LOG IN' and 'SIGN UP'.

**SITALDASONS INTERNATIONAL**  
EXPORTER • IMPORTER • WHOLESALER

CUSTOMER

Customer ID

Password

☐ Remember me?

LOG IN

SIGN UP

We added a password to add more privacy in the database for the company

#### Employee Perspective

The screenshot shows a web interface for Sitaldasons International, an exporter, importer, and wholesaler. The header features a logo with a red globe and a black 'S' on the left, and the company name and roles in bold black text on the right. Below the header, there is a white box containing an 'EMPLOYEE' label, an 'Employee ID' input field, a 'Password' input field, and a 'LOG IN' button.

**SITALDASONS INTERNATIONAL**  
EXPORTER • IMPORTER • WHOLESALER

EMPLOYEE

Employee ID

Password

LOG IN

COMPANY'S PRODUCTION PERSONNEL

Employee ID:
Last Name:
First Name:
Birthday:
Employee Type:

YYYYY
MM
DD
Agent
Regular

Update
Save
Delete
Cancel

The information about the employees would be directed to one table.

Save COMPANY'S PRODUCTION PERSONNEL				
Employee ID	Last Name	First Name	Birthday	Employee Type
111	Reyes	Kim	1981-08-15	Regular
123	Hanson	Cheska	1979-08-20	Agent
231	Bernales	Bri	1995-11-21	Maintenance

Update
Delete
Cancel

The information about the employees would be directed here in the table. The person who would manage is the only one who could delete and update the said table.



HOME
ORDER
PAYMENT
PRODUCTS

Purchase Number: 1
Purchase Item: Chef's Knife
Purchase Date: 2019 11 25
Purchase Quantity: 500
Purchase Amount: 10000
Purchase Status: Purchased

Update Save Delete Cancel

Likewise, with the Employee's information, the purchase request of the customers would be seen by the employees, the table would serve as the summary of the purchased item that needed to be send after the purchase.

Purchase Number	Purchase Item	Date	Quantity	Amount	Status
1	Chef's Knife	2019-11-25	500	10000	Purchased
2	Silver Spatula	2019-09-20	200	13000	Pending

Update Delete Cancel

The summary of the purchase item, the item would only be deleted if the item was already sent or was the order was cancelled. The orders of the customers would be directed here before it would be confirmed.

Customer ID	Last Name	First Name	Birthday	Customer Type	Payment type	Payment Details
2017-100163	Liwanes	Yeda	1991-12-05	New	Credit Card	Paid
2017-100656	Milanes	Hanna	1990-09-20	Old	Cheque	Not Paid

The employee would know if the item is already paid by the customer, and the information that was inputted by the customer will be seen here, except for information about the credit cards, like credit card numbers.

**The item has been Paid**

The item/ product needed to be delivered this  
YYYY – MM – DD.

The manufacturer's production agent will confirm the message to the item to be delivered. Then the warehouse will receive a message about what the item that needed to be delivered.

## WAREHOUSE:

**Warehouse'S PRODUCTION PERSONNEL**

Employee ID:

Last Name:

First Name:

Birthday:

Employee Type:

Personel information that would also be stored in the data summary for the employees.

INVENTORY				
PRODUCT ID	PRODUCT TYPE	PRODUCT DATE	PRODUCT WARRANTY DATE	NUMBER OF PRODUCTS LEFT
1001	Chef's Knife	2019-11-25	500	200
1002	Silver Spatula	2019-09-20	200	100

Item inventory, the employee would see if they needed to buy the item.

PRODUCT ID	PRODUCT TYPE	ORDERED PRODUCT DATE	QUANTITY	AMOUNT	WAREPERSON ID NUMBER
1001	Chef's Knife	2019-11-25	200	10001.222	10012
1002	Silver Spatula	2019-09-20	100	5202.55	10035

The personnel could see who the one who's handling (wareperson ID number) the product that needed to be delivered.

### Customer Perspective



**SITALDASONS INTERNATIONAL**  
 EXPORTER • IMPORTER • WHOLESALER

CUSTOMER

Customer ID

Password

☐ Remember me?

LOG IN

SIGN UP

CUSTOMER

Customer ID:

Last Name:

First Name:

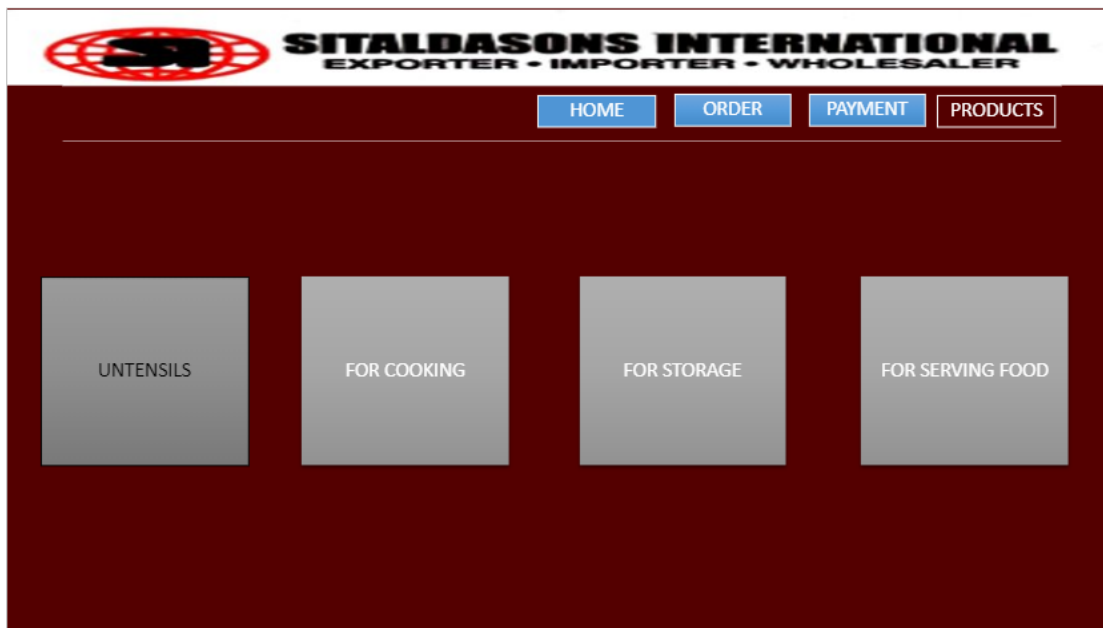
BirthDay:

Address:

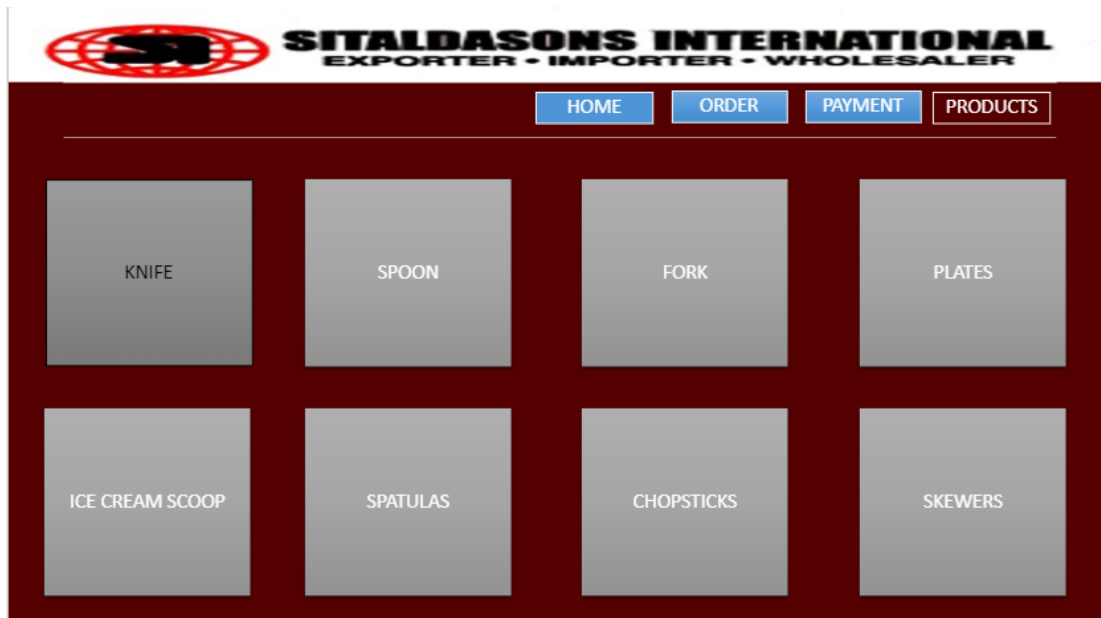
Save

Cancel

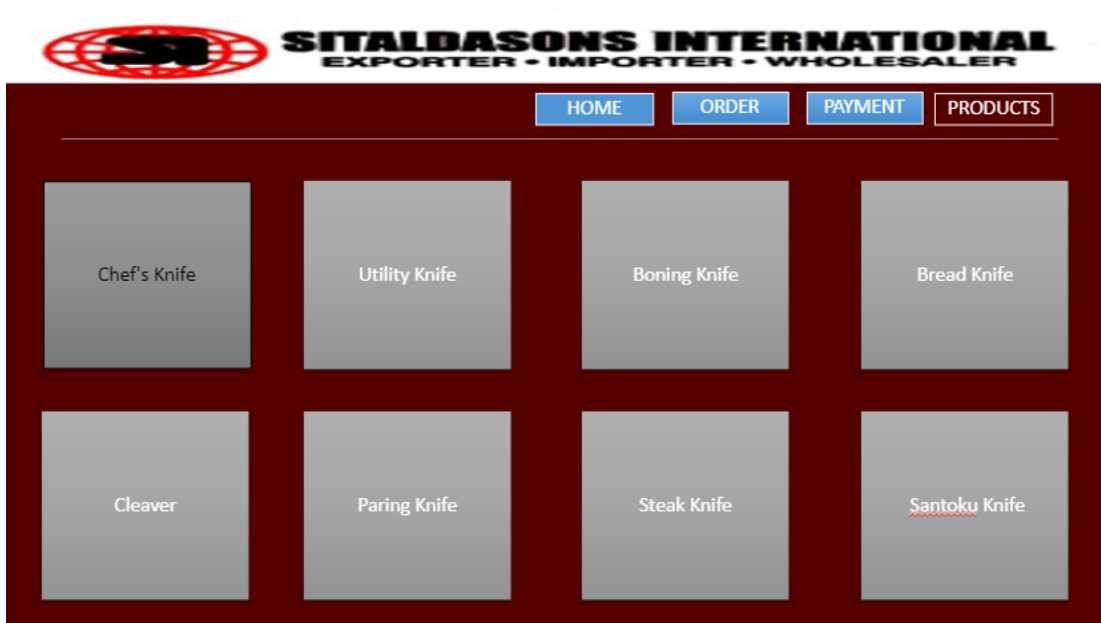
It the customer was new or clicked the sign up button he/she would be directed to this page. The information that would be inputed would go to the in a table where only the employees could see.



Sample items that Sitaldasons has, the customer could choose what item that they want to purchase.



The products or item under the category of utensils. It would be directed to the next page which the user could choose, what kitchen utensil that they would



Items under the knives category, choosing what item that is needed.

Chef's Knife

Purchase Quantity: - 85 +

Purchase Amount: 10000

Order

Cancel

If the order is already been confirmed by the customer the product

Chef's Knife

Purchase Quantity: - 85 +

Purchase Amount: 10000

Order Summary

Quantity: 85

Subtotal: 10000

\*Delivery Charge: 1000

Total: 11000

\* - only of applicable

Edit

Next

Your order has been Confirmed!  
Thank you for your purchase.

Order Summary

Quantity:	85
Subtotal:	10000
*Delivery Charge:	1000
Total:	11000

\* - only of applicable

Payment

The purchase was already confirmed by the employee. The employee will just wait for the payment for the item to be ready to delivered or pick-up.

Payment

☐ Cash

☒ Credit Card

Name: John Doe

Card Number: 4545 \*\*\*\* \* \* \* \* \*

Expiry Date: 2025 - 12 - 30

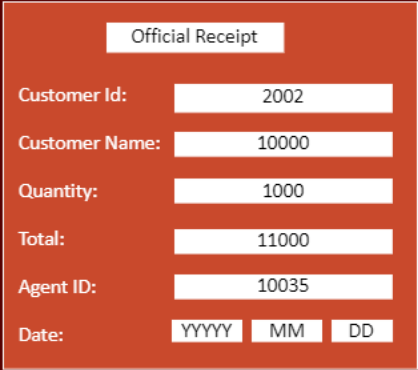
☐ Cheque

Submit

Cancel

The user could choose between the three, if the payment has been already made by the user the data summary would be updated, it would be changed to paid.





The image shows a screenshot of a web application with a dark red background. In the center is a light red rectangular box titled "Official Receipt". Inside this box, there are several labels and input fields: "Customer Id:" with the value "2002", "Customer Name:" with "10000", "Quantity:" with "1000", "Total:" with "11000", "Agent ID:" with "10035", and "Date:" with three separate input fields for "YYYY", "MM", and "DD". Below the "Official Receipt" box, centered on the dark red background, is a white button labeled "Confirm".

Official Receipt	
Customer Id:	2002
Customer Name:	10000
Quantity:	1000
Total:	11000
Agent ID:	10035
Date:	YYYY MM DD

Confirm

If the item is already delivered and received by the customer, the official receipt would be received by the customer.

## II. Interview with the Operations General Manager of Sitaldasons International, Mrs. Elsie Cabrera



III. Sitaldasons International's work flow/business procedures.



1. Sitaldasons International sends a purchase request to the Manufacturer's production agent.
2. Manufacturer's production agent confirms and sends the purchase request and invoice receipt.
3. Sitaldasons International sends telegraphic payment to the manufacturer.
4. Ordered product is then picked up by Sitaldasons International.
5. Bureau of Customs checks and verifies the ordered product.
6. Sitaldasons International picks up ordered product from the Bureau of Customs.
7. Sitaldasons International's warehouse personnel registers ordered product.
8. Customers order products through Sitaldasons International's agent.
9. Customers pays through cheque payment.
10. Product is then delivered to the customer.

**Elsie L. Cabrera**

---

**Operations General Manager**  
**SITALDASONS INTERNATIONAL**