

# **CHAPTER 1**

## **PROJECT DEFINITION**

### **1.1 INTRODUCTION**

Started as a small business at a vicinity in Albay Bicol, Filipiniana Furniture now stands on it's 36<sup>th</sup> year with two stores found in Bacoor and Silang, Cavite. Filipiniana Furniture offers high quality furniture that goes from simple and classic to one very luxurious design.

The business is owned and managed by the Baraquiell Family, but mostly by the parents who still list and writes the orders made per day and the receipts and bill per transaction. It's difficult processing the transaction due to the unorganized stack of charts and voluminous brochures. The shop also uses the forms improperly which leads to difficult retrieval of order records.

The proponents aim to provide a Web-Based Management system entitled, Web-Based Filipiniana Furniture Shop Management System. This system will help the Baraquiell family in making faster transactions.

It will help them in storing and retrieving information, enhancing the security of their records. The customers will also find it more convenient choose furnitures and to visualize their desired furniture with the customization feature. With this system, the furniture shop that is running for 36 years now, will keep up with the rapidly changing society and developing technology.

## **1.2 BUSINESS CASE**

### **1.2.1 BACKGROUND OF THE ORGANIZATION**

Filipiniana Furniture makes high quality furniture made of narra wood with designs that goes from simple and classic to a very luxurious one. They offer furniture generously made of narra and of high quality fabrics imported from other countries. The shop creates furniture for display and for walk-in customer's to see and purchase. They accept orders with designs picked from their brochures or customized designs specified or brought by the customer.

The 36 year old running business now has two stores, both stores are managed by the family members themselves. Josephine Bonayon Baraquiell, one of the owners, proposed the idea of making a furniture shop to her husband because she herself is a daughter of a furniture maker. Josephine used to help her parents way back when she was in their care. Her parents influenced her in every way and together with her husband they build the Filipiniana Furniture shop together.

This business is the reason they got to where they are now, from a small shop at a vicinity in Albay, Bicol to owning two stores located nearby the capital city of the country. The Filipiniana Furniture Shop is also the reason how they manage to send their six children to decent universities and now their children are working at great companies and is helping them from time to time.

The Filipiniana Furniture shop's number one priority in furniture making is ensuring that the furniture they make is of high quality and can be considered world class. They also wanted to join the bandwagon of online shops in the country to be part of this rapidly changing society.

### 1.2.2 PROJECT OVERVIEW

The project aims to help the Filipiniana Furniture Shop in making their transactions faster, easier and help them keep pace with the rapidly changing society by providing them a web-based system. This web-based system will have a website and an admin interface. The admin interface is where the manager can update their featured furniture, add and remove a furniture and manage orders made personally or through the website. The website will display all furniture the shop can offer. The customer can easily order a furniture just by browsing through the website and the manager will find it easy to manage orders and produce the customers bills and receipts.

It will also help the customers in customizing a furniture by providing photos of sample furniture depending on the frameworks and fabrics that they have chosen. With the system the manager can easily store and retrieve information, thus minimizing the time for looking upon the client's record everytime they deliver.

### 1.2.3 PROJECT CONSTRAINTS

- **Scope of the Project**

The project covers the part of the shop that manages order it includes the customer information, customer order specification, bill and the receipt. The project will also track the production progress of an order made as well as the delivery.

- **Duration of the Project**

A project is defined as a temporary endeavor thus this project has a deadline. All members must contribute ideas and skills for the project to be finished at the specified time.

- **Limitation of knowledge**

The project team member's knowledge about the tools needed to develop this project is limited, it will take time for everyone to learn how to use those tools. The team also does not have full knowledge in some areas of system development.

#### **1.2.4 PROJECT ASSUMPTIONS**

- **The Project will be finished on time**

The fully-functional system project will be finished on time with no errors and bugs.

- **The client will provide all necessary documents and information to the Project Team**

The client will be able to provide all necessary documents and information for the Project Team to comply with the requirements of the project and be able to provide them a running system that functions accurately.

- **User Acceptance**

The client will be satisfied with the final outcome of the project. The project will lighten the works of the users, their transaction will be faster and provide a better service to their customers.

- **Project Team members are cooperative**

The team members are cooperative and attends every meeting scheduled. They finished their assigned task at the given time and each team member are sure to have a contribution to the success of this project.

- **Project Team members performance**

The team members performance is very important to finish this subject. Each member will contribute ideas or skills to the success of this project. Since every members are beginners in this field, all members will take time to study and understand the tools needed in the development.

## 1.3 METHODS USE IN THE STUDY

### 1.3.1 Data Gathering Techniques

- **Observation**

The proponents observed the business environment and how they do things thus making it easier for us to know their problems.

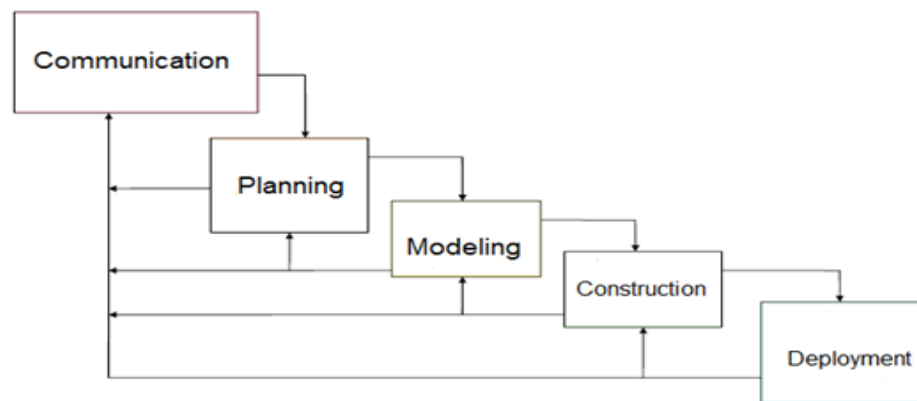
- **Personal Interview**

The proponents conducted an interview to gather data needed for this project. This serves as the way to obtain useful information to the people who knows the business very well.

- **Document Analysis**

The forms we gathered will be analyzed to understand the business and know what data are needed for the transactions.

### 1.3.2 Software Process Model



**Figure 1.3.1. Waterfall Model with Feedback**

The team used the Waterfall Model with Feedback as a model used in visualizing the step by step process the group is going to take to finish the project on the scheduled time. The Waterfall Model with Feedback is a simple and easy to use model because of its rigidity. Each phases has a specific deliverable and a review process therefore after making progress on the project we can go back to the client and ask if what we produce is accurate according to their business rules and processes.

## CHAPTER 2

### FUNCTIONAL SPECIFICATION REQUIREMENTS

#### 2.1 DATA REQUIREMENTS

##### 2.1.1 FORMS

##### 2.1.1.1 LIST OF FORMS

Form #	Form Name	Description	User
F1	Sales Invoice	This contains the customer information, order information, order specification and payment information. This serves as the contract and the bill.	Manager, Customer
F2	Job Order	This contains the details of the ordered furniture the manufacturer should follow.	Manager, Manufacturer
F3	Delivery Receipt	It contains delivery information, order information and payment information. This is given to the deliver man and later on passed to the customer as final receipt.	Manager, Customer, Delivery Man,
F4	Official Receipt	This contains the payment details of the customer. This is given to the customer every payment made.	Manager, Customer

## 2.1.1.2 SAMPLE FORMS

Sales Invoice

Sold to: Rosario Hernandez Date: December 12, 2016  
 Address: \_\_\_\_\_ Contact No.: 0916 393705

Quantity	Particular Item	Amount
1 sala set	Manileña	Total Amount
	Fabric Gold Rami	170,000.00
	Color 19C	- 100,000.00
	1 pc. Love seat	
	1 pc. Center Table	Net 70,000.00
	2 pcs. Side Table	
	1 set dining set	

Received By: Rosario Hernandez  
 Signature over Printed Name

Figure 2.1 Sample Sales Invoice Format

SI # 123 - ROSARIO HERNANDEZ

1 set Sala set - Manileña

Fabric: Gold Rami

Color: 19C

1 pc. Love seat

1 pc. Center Table 22 x 42"

2 pcs. Side Table 18 x 22"

1 set dining set w/ 8 chairs

3 pcs. Hi-Chair

Figure 2.2 Sample Job Order Format

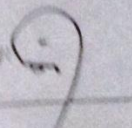


**JB BARAQUIEL'S FURNITURE**  
Aguinaldo Highway Talaba II, Bacoor Cavite  
Non VAT Reg Tin 319-615-293-000

DR. No.: **152**  
Date: **2-4-17**

Name: **Mr. Dina G. Casagunde**  
Address: **10 Transfer St. Justice Vial Subd. Bacoor Cavite**

QTY	UNIT	DESCRIPTION	UNIT PRICE	AMOUNT
		<b>Made to Order</b>		
1	Set	1 sofa set Marcelino 1 sofa 1 love seat 1 center table 22"x42"	170,000	170,000
		2 pcs side table 18"x22"	100,000	100,000
1	Set	Living Set with 8 chairs	70,000	70,000
2	pcs	Hi-chain		
Total Amount				

Received By: 

Prepared By: \_\_\_\_\_

Figure 2.3 Sample Delivery Receipt

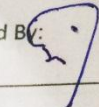
**JB BARAQUIEL'S FURNITURE**  
Aguinaldo Highway Talaba II, Bacoor Cavite  
Non VAT Reg Tin 319-615-293-000

**DELIVERY RECEIPT**

Name: **Arthur Lozano**  
Address: **Bek - Lot 9 The Lane III Bagong Luma**

DR. No.: **151**  
Date: \_\_\_\_\_

QTY	UNIT	DESCRIPTION	UNIT PRICE	AMOUNT
1	Set	1 sofa set Cleopatra 6 pcs Natural Varnish	80,000	80,000
			1,000	1,000
			89,000	89,000
			40,000	40,000
			49,000	49,000
			1,000	1,000
Total Amount				174,000

Received By: 

Prepared By: \_\_\_\_\_

Figure 2.3.1 Sample Delivery Receipt



Payment of the following:	
PARTICULARS	Amount
Amount Due	70,419.39
Less: SC/PWD Discount	
<b>TOTAL AMOUNT DUE</b>	<b>70,419.39</b>

Payment in the form of:	
CASH	
CHECK No.	
Bank	
<b>TOTAL AMOUNT DUE</b>	70,419.39

10 Bk/L 50x2 001-500  
 BIR ATP 1AU0001393828  
 Date Issued 8/17/15 valid until 8/17/20  
 LAKEVIEW PRINTING/TIN 180-222-770-000 NV  
 Tolentino East, Tagaytay City ☎(046) 4132576  
 EVELYN G. MALLARI - Prop.  
**NON VAT REG**

## JB Baraquiel's Furniture

Aginaldo Hi-way, Talaba II, Bacoor, Cavite  
 JUSTINE B. BARAQUIEL - Prop.  
 Non VAT Reg TIN 319-615-293-000

N<sup>o</sup>      0001

### OFFICIAL RECEIPT

RECEIVED FROM .....

Address .....

TIN ..... engaged in the Business Style of .....

the sum of .....

(Php 70,419.39)

In full( ) partial ( ) payment of .....

Date .....

Sr Citizen TIN .....

OSCA/PWD ID No. ....

Signature .....

Issued by: \_\_\_\_\_

Authorized Signature

"This Document is not Valid for Claiming Input Taxes"  
 This Official Receipt shall be valid for five(5) years from the date of ATP.

**Figure 2.4 Sample Official Receipt**

## 2.1.2 REPORTS

### 2.1.2.1 LIST OF REPORTS

Report #	Report Name	Description	Frequency
R1	Sales Report	Contains the daily record of the furniture sold to customers.	Daily, Monthly, Annually

### 2.1.2.2 SAMPLE REPORTS

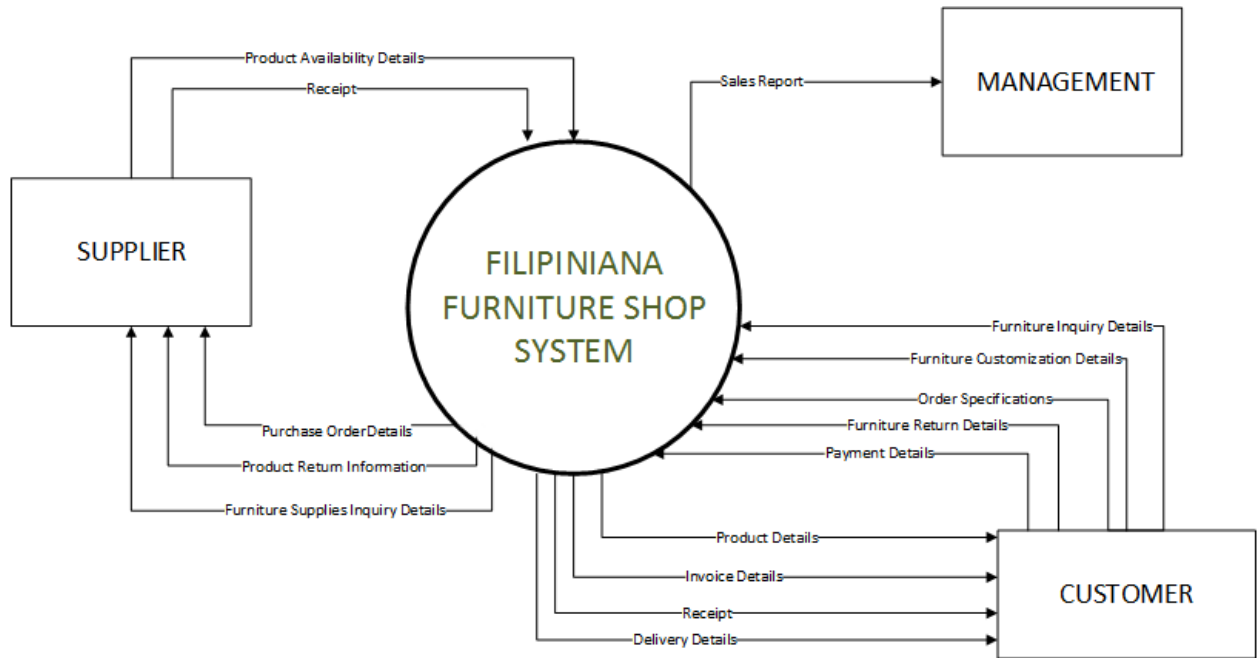
Furniture Name	Date Sold	Quantity	Unit Cost	Total
Rocking Chair Regular	12/8/2016	2	15,000	30000.00
Manillenia Divan	12/25/2016	1	5,000	5000.00
Manillenia (Sala Set)	12/25/2016	1	100,000	100000.00
Cleopatra (Sala Set)	12/31/2016	1	150,000	150000.00
			<b>Grand Total:</b>	<b>285,000</b>

*Figure 2.5 Sample Sales Report Format*

## 2.2 POLICIES AND PROCEDURES

### 2.2.1 PROCEDURES

#### 2.2.1.1 CONTEXT DIAGRAM



**Figure 2.6 Context Diagram**

### 2.2.1.2 LEVEL 1 DFD

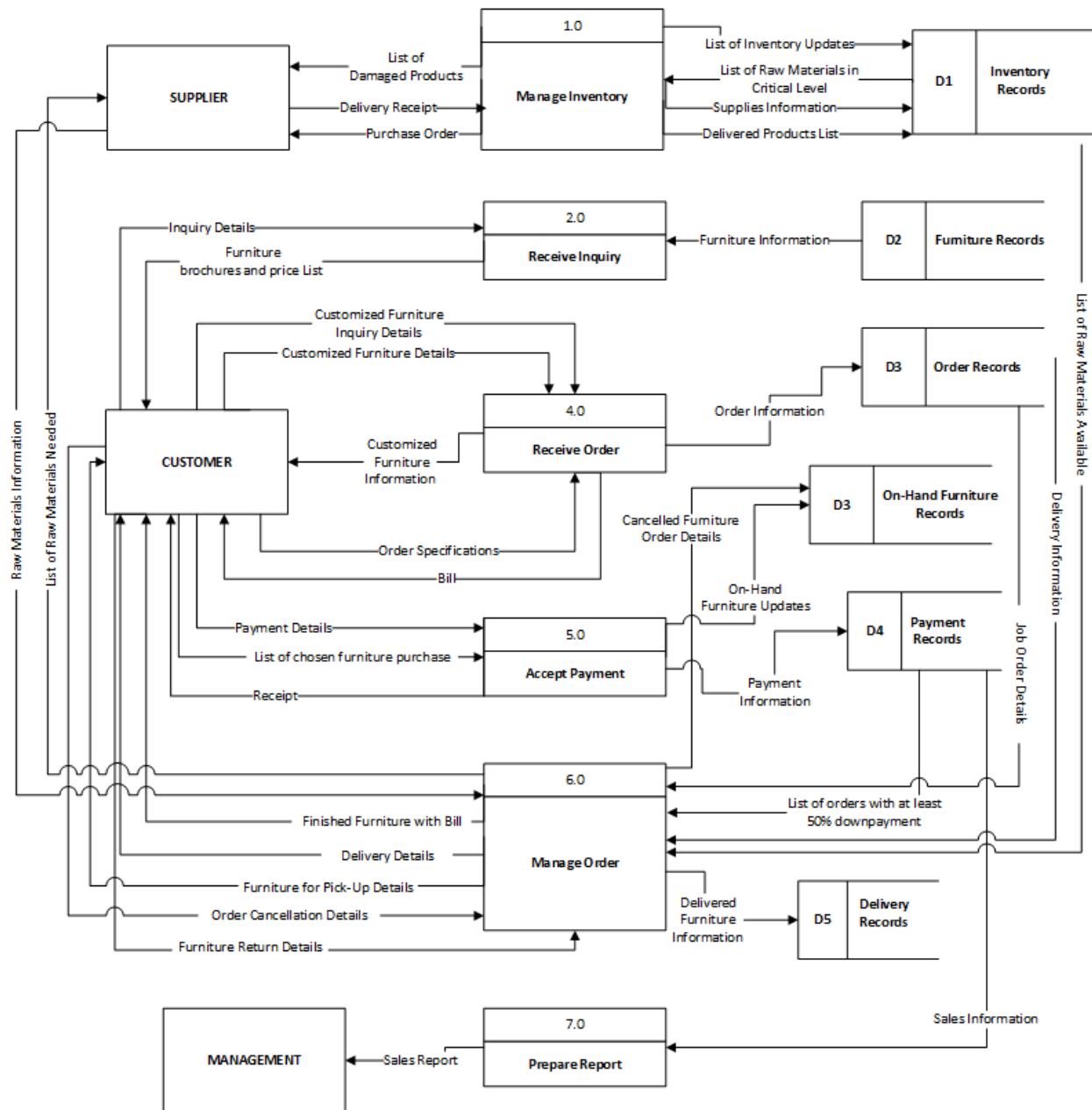


Figure 2.7 Level 1 Data Flow Diagram

## 2.2.2 POLICIES

### 2.2.2.1 BUSINESS REQUIREMENTS

BR NO.	BUSINESS REQUIREMENT
BR001	The production of furniture will begin once the customer paid a downpayment of at least 50% of the total amount of the ordered furniture.
BR002	A storage fee of PHP 500 pesos will be added to the total balance if a furniture is not claimed or is fully paid on or before the day the contract will end.
BR003	A detailed description and specification is needed for customized furniture
BR004	Damage on furniture caused by natural disaster and by improper use or maintenance is not covered on the warranty.
BR006	Official receipt must be presented to acquire warranty.

### 2.2.2.2 BUSINESS POLICIES

BP NO.	BUSINESS POLICIES
BP01	The customer must pay at least 50% of the total price of the furniture ordered for the production of furniture to begin.
BP02	An on-hand furniture must be fully paid upon acquisition.
BP03	A furniture must be claimed, paid or delivered on or before the end of the contract.
BP04	If a customer cancelled his/her order the downpayment will be given back deducting the storage fee once the furniture has been sold.
BP05	If an ordered furniture is not claimed within 1 month(30 days) and 1 week after the contract's expiration the management has the right to resell the furniture.
BP06	The price of a customized furniture will be decided by the management
BP07	The furniture will be replaced or repaired if found broken upon delivery.
BP08	Six months warranty is given to all furnitures.



## 2.3 PROBLEM ANALYSIS

### 2.3.1 FISHBONE DIAGRAM

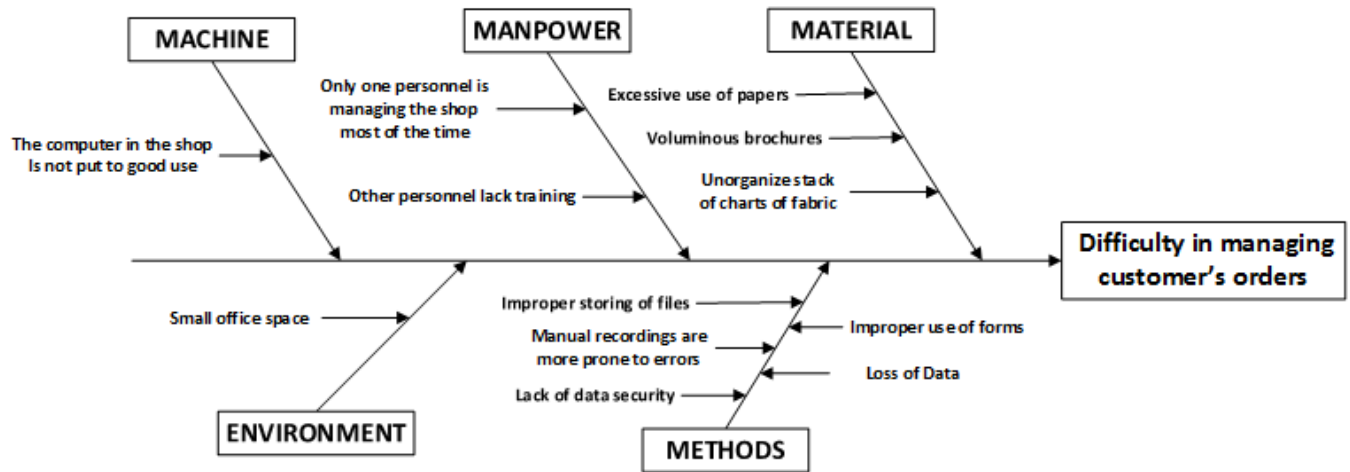


Figure 2.6 Fishbone Diagram of the Filipiniana Furniture Shop

### 2.3.2 CONCLUSIONS

The Filipiniana Furniture offers high quality furniture made of narra wood. They aim to provide high quality furniture that goes from simple and classic to one very luxurious design, not just to citizens of Cavite but as much as possible, to the whole country.

As of now, the Filipiniana Furniture uses the manual process of recording data, the manager will write the customer information, order information, billing information, and they allow the client to customize their own designs of furniture. A lot of data is being stored so the shop uses excessive papers, papers that are being stored on the file cabinets around their small office. They also use their forms improperly providing confusing records that leads to difficulty in managing customer's orders.

### 2.3.3 RECOMMENDATIONS

In order to help the business resolve the problems stated above, the proponents recommend the Filipiniana Furniture Shop to have a Web-Based system that will help them manage order and the information that is going in and out of the shop, at the same time will help them promote their products and reach customers on a farther vicinity. The Filipiniana Furniture Shop Management System will have the following sub-systems:

The Furniture Ordering Management System, this sub-system will help the manager in managing the orders. The customer will be able to order furniture easily. Additionally, this sub-system also has a customization feature where the customer can customize furniture to their own liking. In this sub-system, all on-hand furniture and furniture available for pre-order will be displayed per category for the customer to easily choose. Once, the customer is done ordering he can just check-out and proceed to billing. The customer information will be needed for verification.

The Billing and Collection System, this sub-system will compute the total amount of furniture in the customer's orders. After checking-out the customer will receive an email from the furniture shop containing his bill and where and how the customer can pay. If the ordered furniture is on-hand and the customer has paid for it the furniture will be delivered. If it's pre-order, the production of the ordered furniture will begin once the customer has paid 50% of the total amount. However, the order will be considered null and void if the customer fails to pay within seven days. This sub-system will help in producing receipt easily, lessening the time needed for writing.

The Production Monitoring System, this sub-system will track the production of an order. After the transaction is settled, the manager will issue job order form for the manufacturers, this job order form contains the specifications and descriptions of the furniture to be made. This sub-system will enable the manager to view and update production progress information, which includes status of the production, the handler who will make the furniture, and the production progress percentage of the furniture.

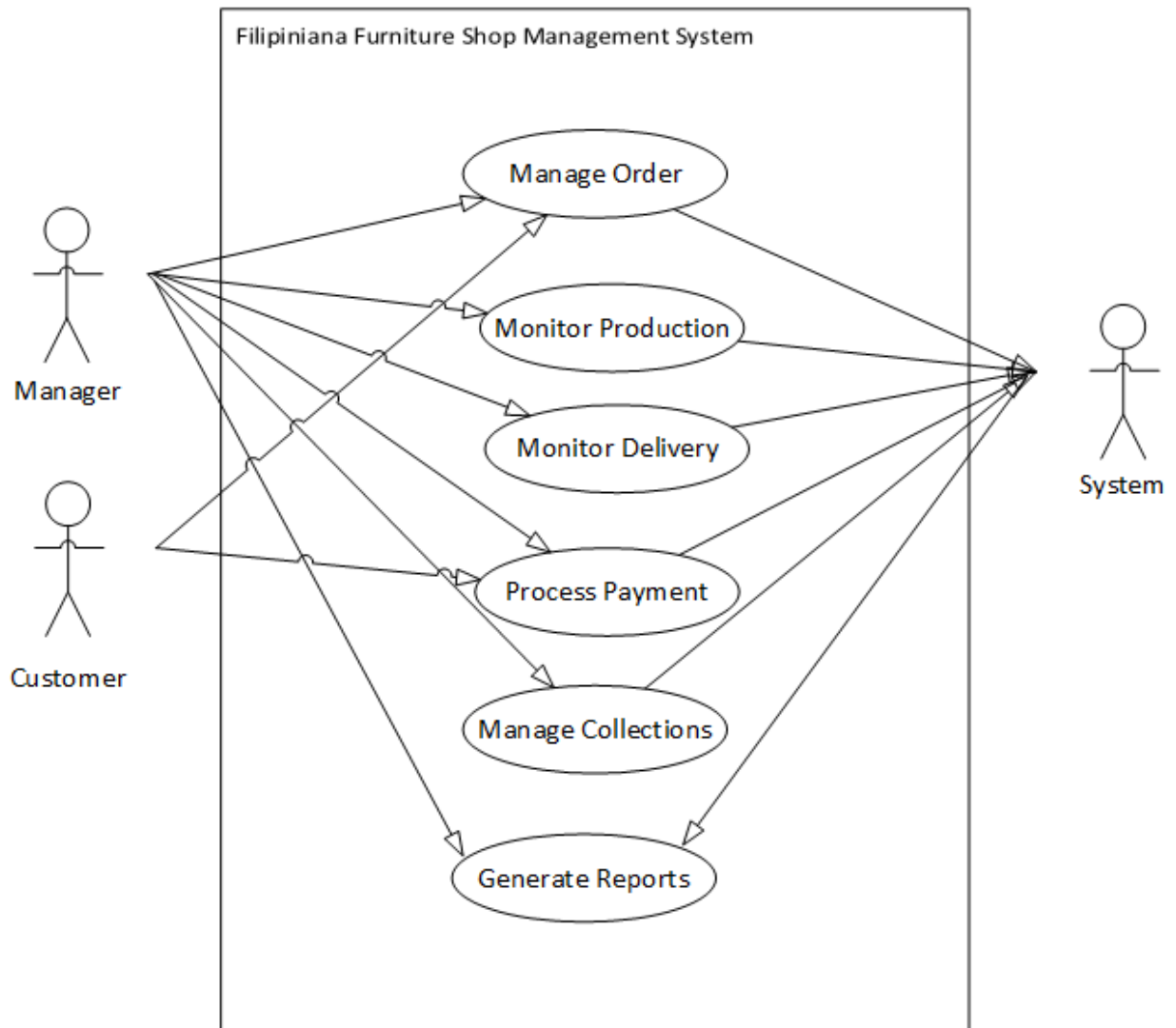
## CHAPTER 3

### PROPOSED SYSTEM DEFINITION

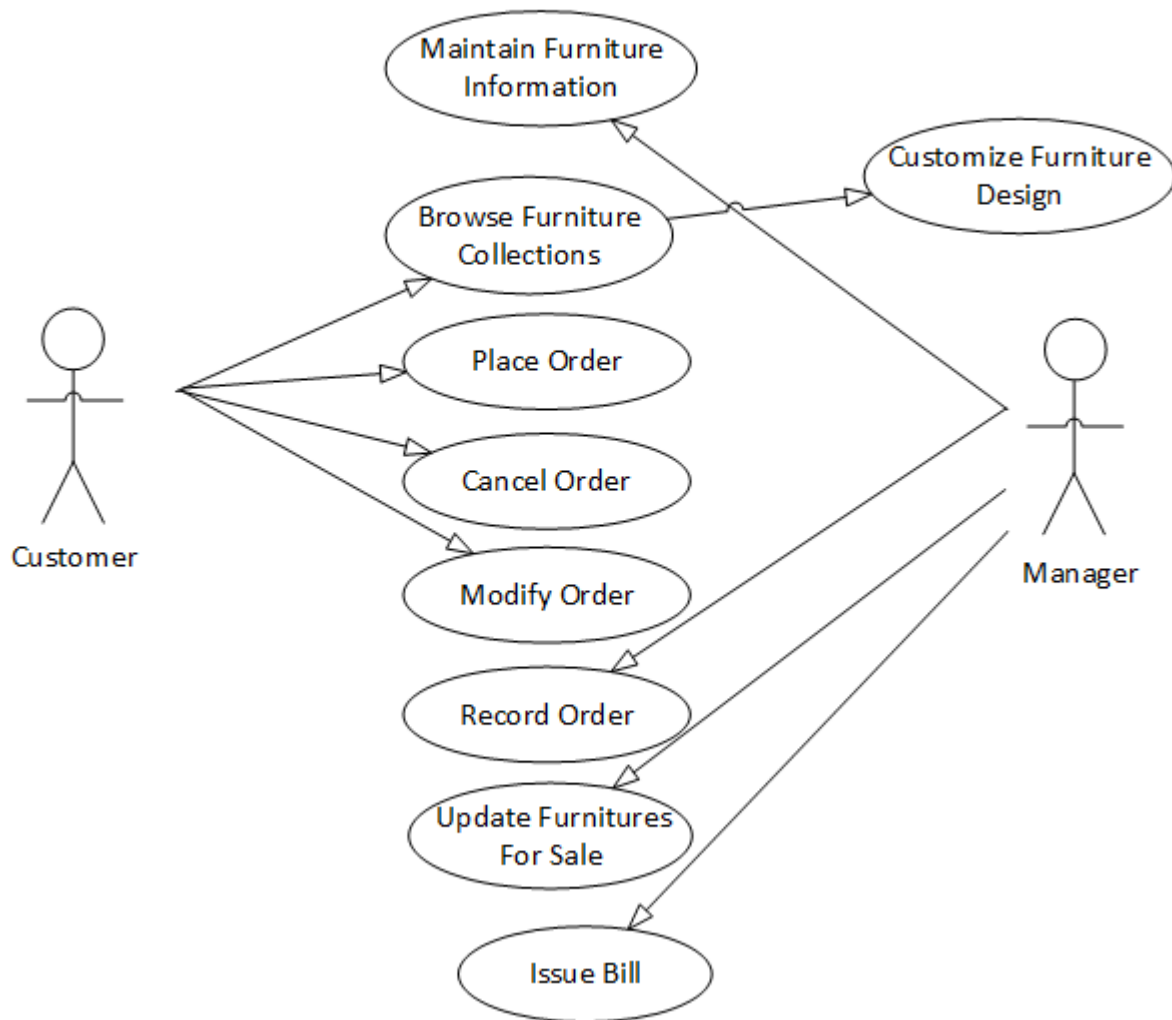
#### 3.1 Functional Specifications

##### 3.1.1 System Boundaries

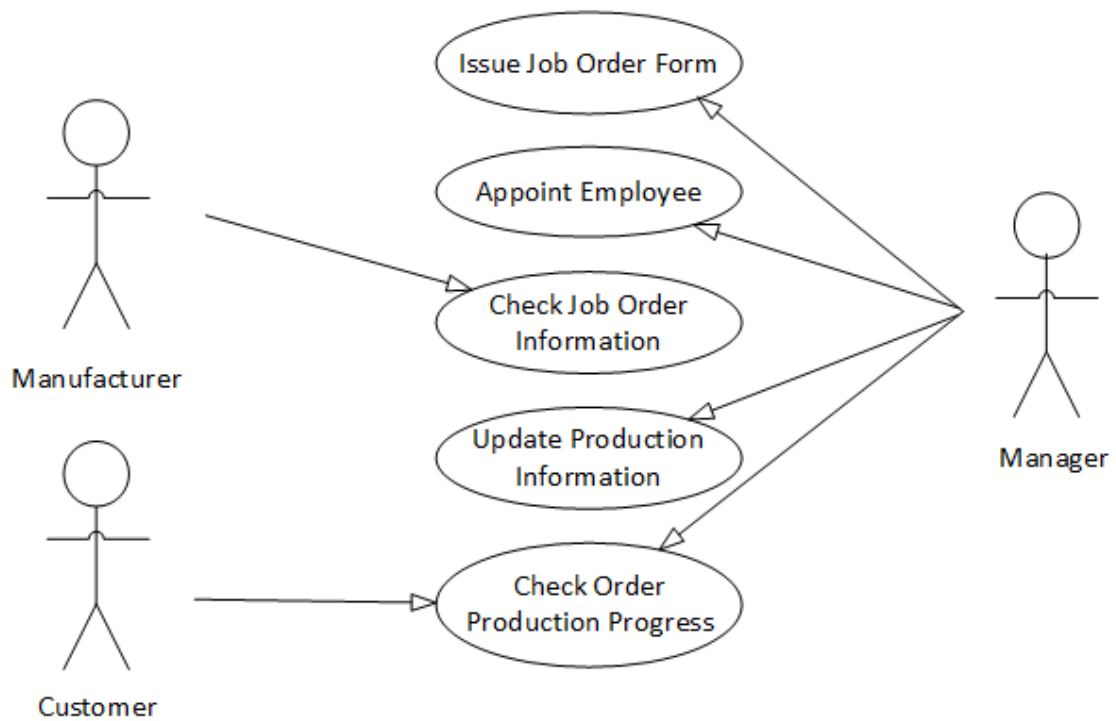
##### 3.1.1.1 System Use Case Diagram



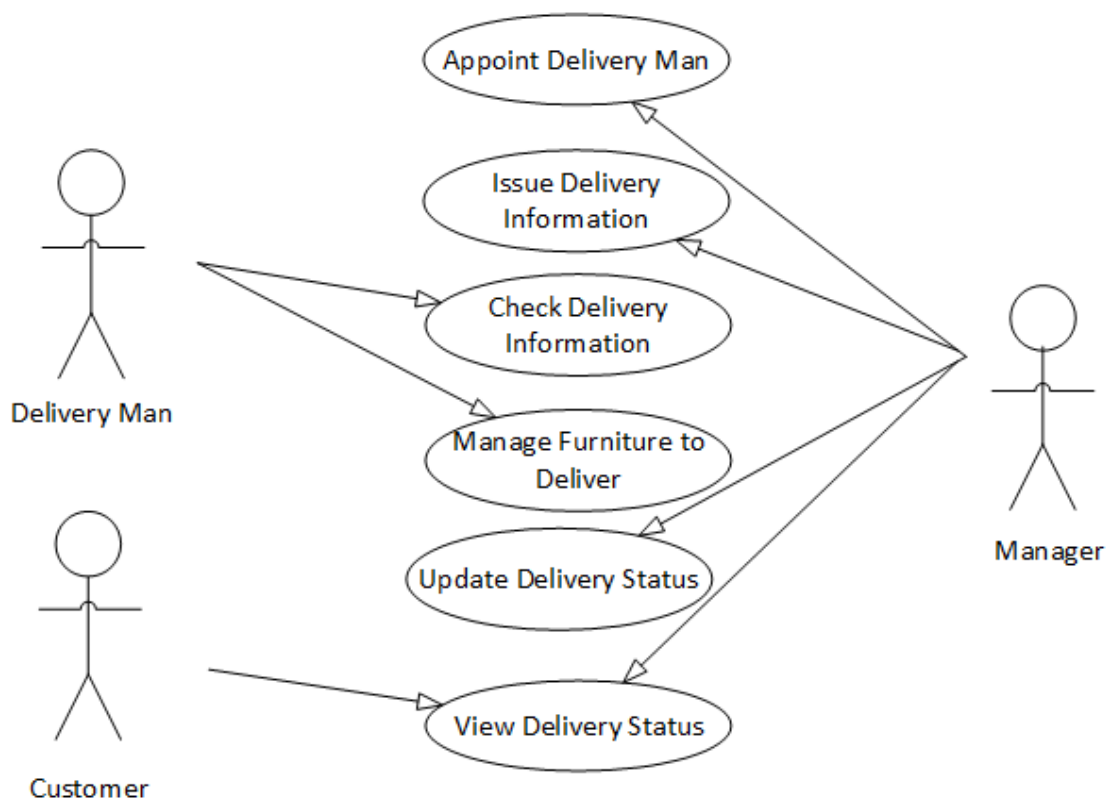
## 3.1.1.2 Detailed Use Case Diagram

**Manage Order**

### Monitor Production

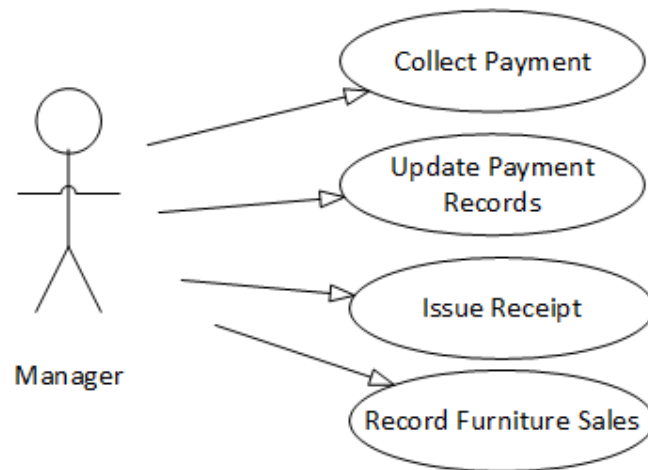


### Monitor Delivery

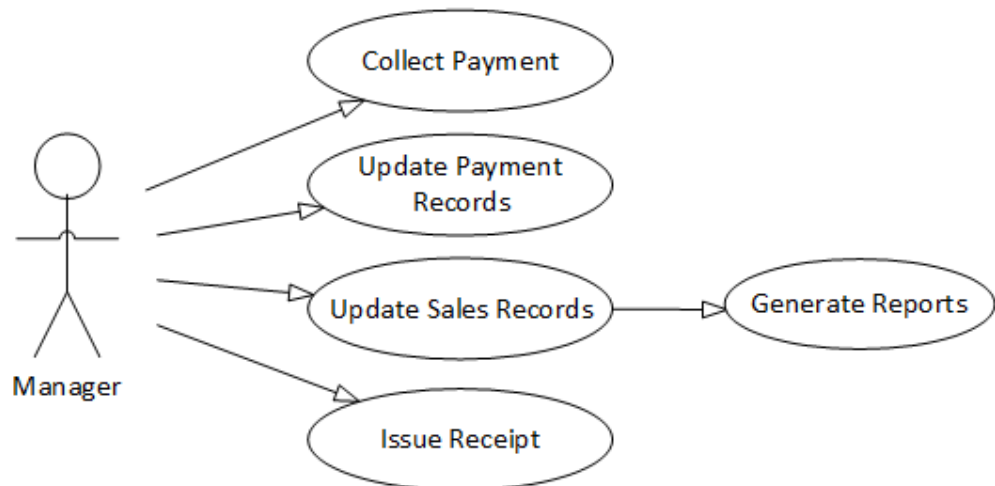




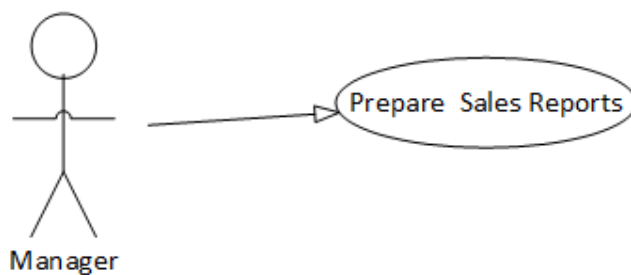
### Process Payment



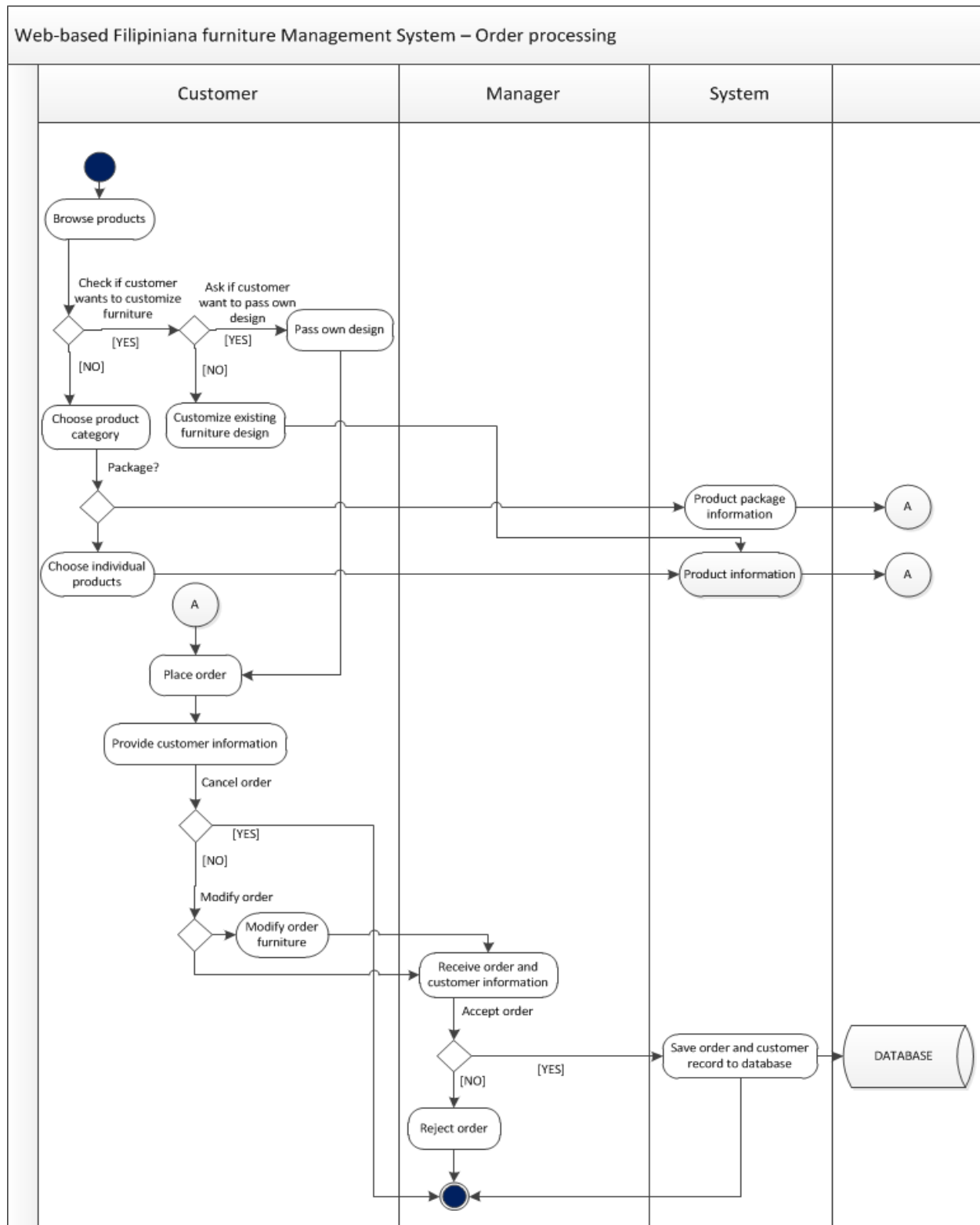
### Manage Collections



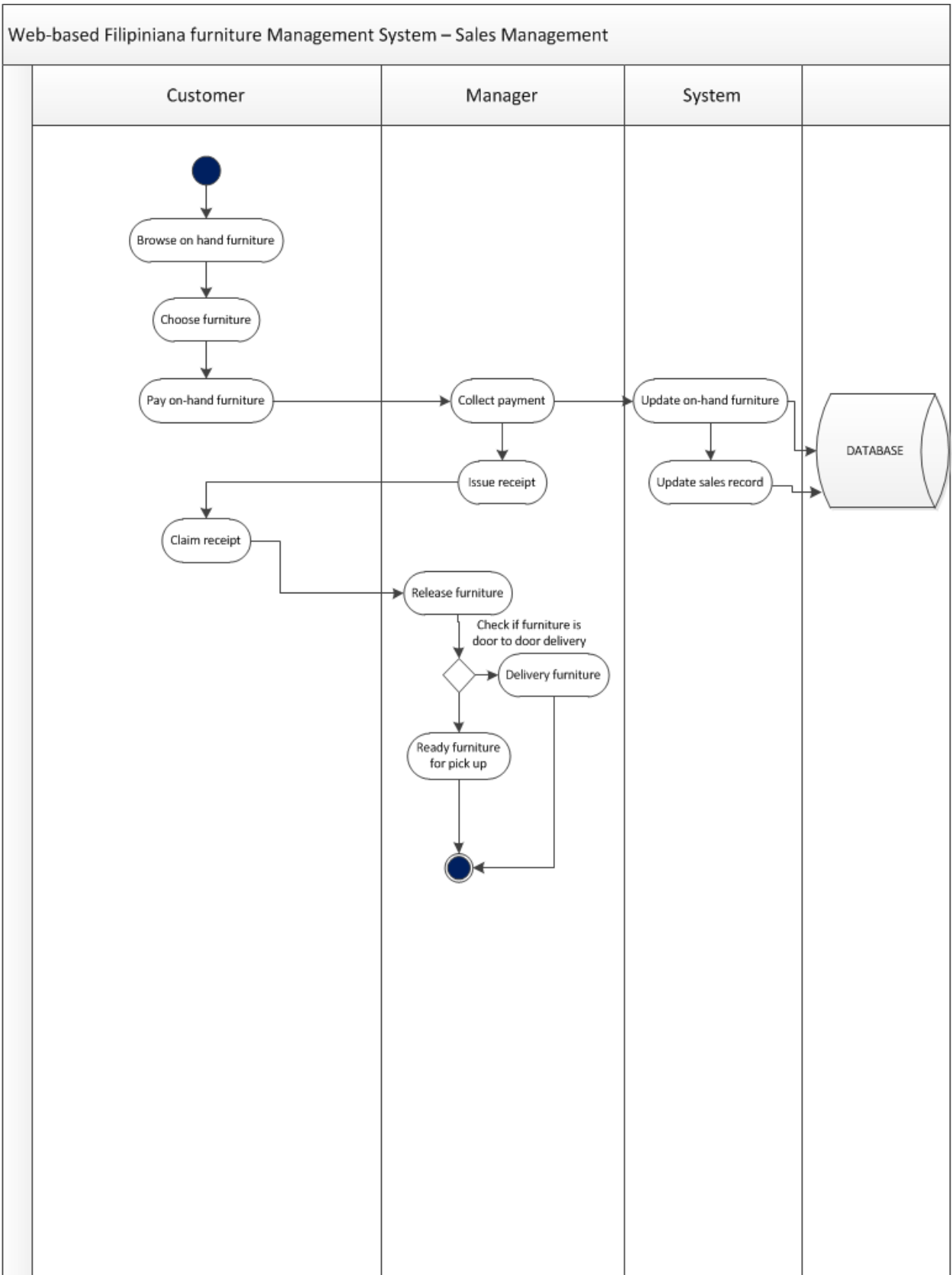
### Generate Reports

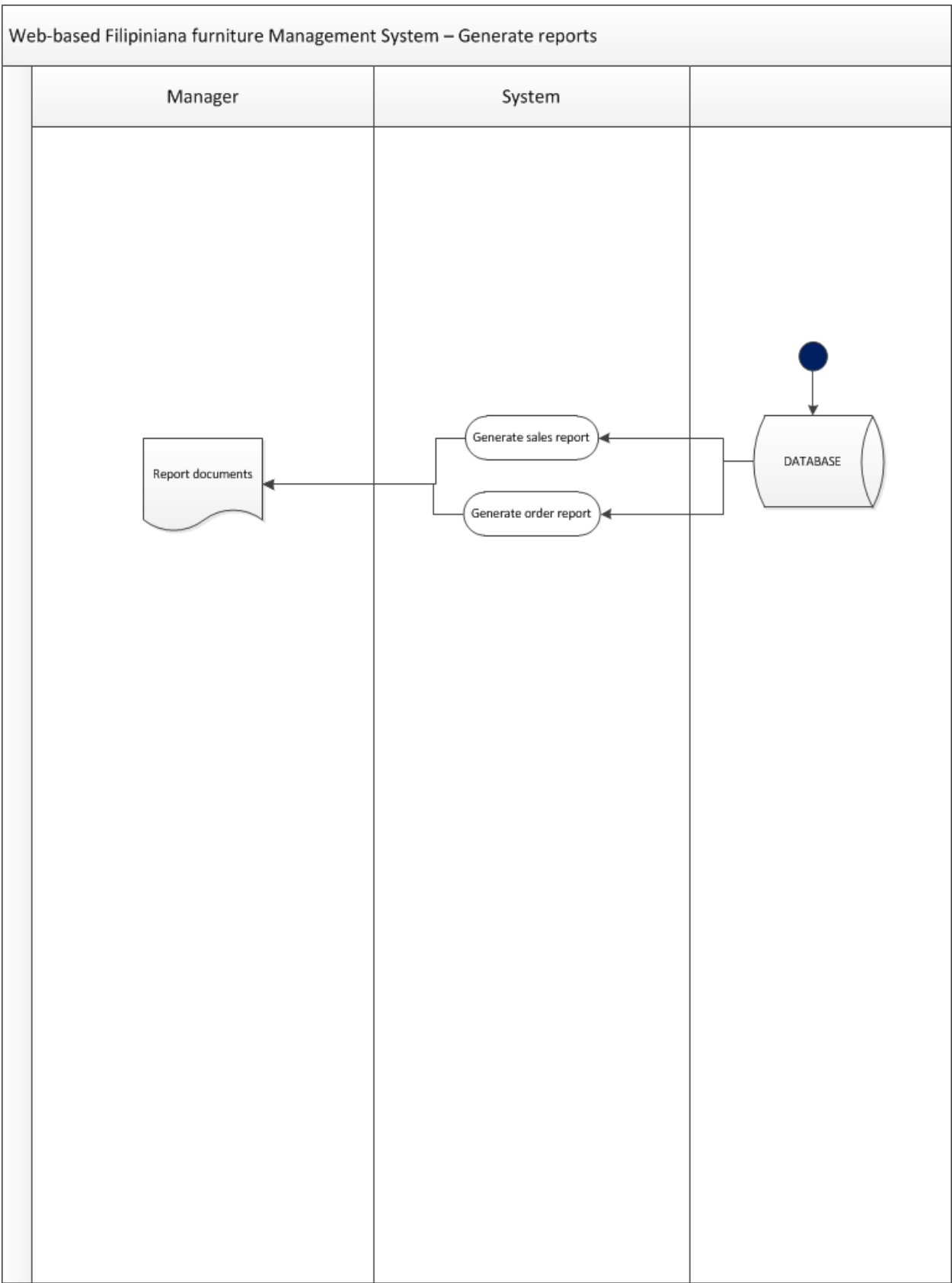


### 3.1.2 System Flow



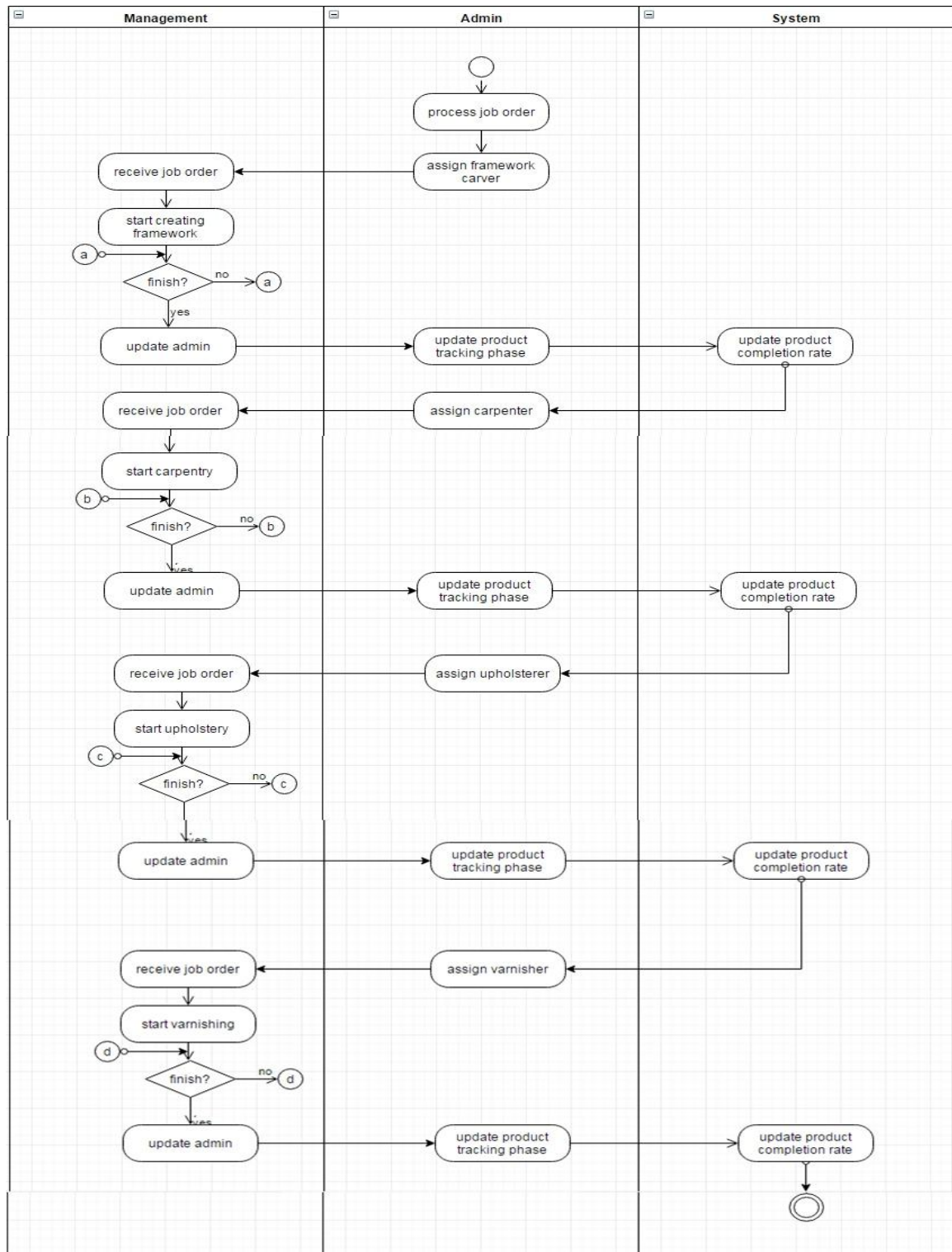








# Production Tracking



## 3.2 Technical Specifications

### 3.2.1 Domain Object Modelling

#### 3.2.1.1 Data Dictionary of Class

##### **tblbank\_accounts**

Column	Type	Null	Links to	Comments	Sample Data
accountID ( <i>Primary</i> )	int(11)	No		ID of Account Record	1
accountName	varchar(100)	No		Name of Account	Aira Lee
accountNumber	varchar(50)	No		Account Number	201402207MN0
accountStatus	varchar(45)	No		Status of account record	Listed
accountRemarks	varchar(100)	Yes		Account remarks	My bank account

##### **tblbranches**

Column	Type	Null	Links to	Comments	Sample Data
branchID ( <i>Primary</i> )	int(11)	No		ID of Branch	1
branchLocation	varchar(45)	No		Branch Location	Silang
branchAddress	varchar(80)	No		Branch Address	114 Bill St. Silang Cavite
branchRemarks	varchar(100)	Yes		Branch Remarks	Second Store
branchStatus	varchar(45)	No		Branch Status	Listed

##### **tblcheck\_details**

Column	Type	Null	Links to	Comments	Sample Data
check_detailsID ( <i>Primary</i> )	int(11)	No		ID of Check details	1
p_detailsID	int(11)	No	tblpayment_details - > payment_detailsID	ID of Payment Details	1
checkNumber	int(11)	No		Check Number	1001
checkAmount	decimal(5,2)	No		Amount on	10000

				Check	
checkRemarks	varchar(100)	No		Remarks of check	Good

**tblcust\_req\_images**

Column	Type	Null	Links to	Comments	Sample Data
cust_req_imagesID (Primary)	int(11)	No		ID of record	1
cust_req_ID	int(11)	No		ID of customization request	1
cust_req_images	varchar(100)	No		Image name	requestKoTo.jpg
cust_req_imageStat	varchar(45)	No		Status of Image	Archived

**tblcustomer**

Column	Type	Null	Links to	Comments	Sample Data
customerID (Primary)	int(11)	No		ID of Customer	1
customerFirstName	varchar(45)	No		Customer First Name	Juan
customerMiddleName	varchar(45)	Yes		Customer Middle Name	Dela
customerLastName	varchar(45)	No		Customer Last Name	Cruz
customerAddress	varchar(100)	No		Customer Address	Tondo, Manila
customerContactNum	varchar(45)	No		Customer Contact Number	0912345678
customerEmail	varchar(80)	No		Customer E-mail	juandelacruz@gmail.com
customerStatus	varchar(45)	No		Status of Record	Archived

**tblcustomize\_request**

Column	Type	Null	Links to	Comments	Sample Data
customizedID (Primary)	int(11)	No		ID of Customized Request	1
customizedPic	varchar(45)	Yes		Customized Image	custom.png
customizedDescription	varchar(250)	No		Customized Description	Customized Sofa
accountdetailsID	int(11)	No	tbluser -> userID	ID of User	1
customFrameID	int(11)	Yes	tblframeworks -> frameworkID	ID of Framework (tblframeworks)	1
customFabricID	int(11)	Yes	tblfabrics -> fabricID	ID of Fabric (tblfabrics)	1
customStatus	varchar(45)	No		Customization Status	Listed

**tbldelivery**

Column	Type	Null	Links to	Comments	Sample Data
deliveryID (Primary)	int(11)	No		ID of Delivery	1
deliveryOrdReq	int(11)	No	tblorder_request -> order_requestID	ID of Order Request (tblorder_request)	1
deliveryEmpAssigned	int(11)	Yes	tblemployee -> empID	ID of Employee (tblemployee)	1
deliveryStatus	varchar(45)	No		Delivery Status	Pending
deliveryRecStatus	varchar(45)	No		Delivery Record Status	Archived
deliveryDate	datetime	No		Delivery Date	12/26/2018
deliveryRemarks	varchar(100)	Yes		Delivery Remarks	Soon to be delivered

**tbldelivery\_rates**

Column	Type	Null	Links to	Comments	SAMPLE DATA
delivery_rateID (Primary)	int(11)	No		ID of Delivery Rate	1
delBranchID	int(11)	No	tblbranches -> branchID	ID of Branch (tblbranches)	1
delLocation	varchar(100)	No		Delivery Location	Tondo, Manila
delRateType	varchar(45)	No		Delivery Rate Type	Percentage
delRate	decimal(5,2)	No		Delivery Rate	1000
delRateStatus	varchar(45)	No		Delivery Rate Status	Listed

**tbldownpayment**

Column	Type	Null	Links to	Comments	Sample Data
downpaymentID (Primary)	int(11)	No		Downpayment record ID	1
downpaymentPercentage	double	No		Percentage of record	.50

**tblemployee**

Column	Type	Null	Links To	Comments	Sample Data
empID (Primary)	int(11)	No		ID of Employee	1
empFirstName	varchar(45)	No		Employee First Name	Pedro
empLastName	varchar(45)	No		Employee Last Name	Cruz
empMidName	varchar(45)	Yes		Employee Middle Name	Dela
empJobID	int(11)	No	tbljobs -> jobID	ID of Job (tbljobs)	1
empRemarks	varchar(100)	No		Employee Remarks	Carver
empStatus	varchar(45)	Yes		Employee Status	Active



**tblfabric\_pattern**

Column	Type	Null	Links to	Comments	Sample Data
f_patternID ( <i>Primary</i> )	int(11)	No		ID of Fabric Pattern	1
f_patternName	varchar(45)	No		Pattern Name	Double Lines
f_patternRemarks	varchar(100)	Yes		Pattern Remarks	Lines
f_patternStatus	varchar(45)	No		Pattern Status	Listed

**tblfabric\_texture**

Column	Type	Null	Links to	Comments	Sample Data
textureID ( <i>Primary</i> )	int(11)	No		ID of Fabric Texture	1
textureName	varchar(45)	No		Texture Name	Silky
textureDescription	varchar(100)	Yes		Texture Description	Rough around the edges
textureStatus	varchar(45)	No		Texture Status	Listed

**tblfabric\_type**

Column	Type	Null	Links to	Comments	Sample Data
f_typeID ( <i>Primary</i> )	int(11)	No		ID of Fabric Type	1
f_typeName	varchar(50)	No		Fabric Type Name	Leather
f_typeWeaves	varchar(100)	Yes		Fabric Type Weaves	Fully Twinned
f_typeTextureID	int(11)	No	tblfabric_texture -> textureID	ID of Texture (tblfabric_texture)	1
f_typeStatus	varchar(45)	No		Fabric Type Status	Listed

**tblfabrics**

Column	Type	Null	Links to	Comments	Sample Data
fabricID ( <i>Primary</i> )	int(11)	No		ID of Fabric	1
fabricName	varchar(45)	No		Fabric Name	Gold Rani
fabricTypeID	int(11)	No		ID of Fabric Type	1
fabricPatternID	int(11)	No	tblfabric_pattern	ID of Fabric Pattern	1

			-> f_patternID	(tblfabric_pattern)	
fabricColor	varchar(255)	No		Fabric Color	Golden Yellow
fabricRemarks	varchar(100)	Yes		Fabric Remarks	Beautiful
fabricPic	varchar(100)	Yes		Fabric Image	fabric.png
fabricStatus	varchar(45)	No		Fabric Status	Listed

**tblframe\_design**

Column	Type	Null	Links to	Comments	Sample Data
designID ( <i>Primary</i> )	int(11)	No		ID of Framework Design	1
designName	varchar(45)	No		Framework Design Name	Classic
designDescription	varchar(250)	Yes		Framework Design Description	Flowery
designStatus	varchar(45)	No		Framework Design Status	Listed

**tblframe\_material**

Column	Type	Null	Links to	Comments	Sample Data
materialID ( <i>Primary</i> )	int(11)	No		ID of Framework Material	1
materialName	varchar(45)	No		Framework Material Name	Narra
materialRemarks	varchar(100)	Yes		Framework Material Remarks	Narra Wood
materialStatus	varchar(45)	No		Framework Material Status	Listed

**tblframeworks**

Column	Type	Null	Links to	Comments	Sample Data
frameworkID ( <i>Primary</i> )	int(11)	No		ID of Framework	1
frameworkName	varchar(45)	No		Framework Name	European Style
frameworkPic	varchar(255)	No		Framework Image	eurostyle.png
framedesignID	int(11)	No	tblframe_design -	ID of Design	1

			> designID	(tblframe_design)	
materialUsedID	int(11)	No	tblframe_material -> materialID	ID of Material (tblframe_material)	1
frameworkRemarks	varchar(100)	Yes		Framework Remarks	Most Used
frameworkStatus	varchar(45)	No		Framework Status	Listed

**tblfurn\_category**

Column	Type	Null	Links to	Comments	Sample Data
categoryID ( <i>Primary</i> )	int(11)	No		ID of Category	1
categoryName	varchar(100)	No		Category Name	Living Area
categoryStatus	varchar(45)	No		Category Status	Listed
categoryRemarks	varchar(100)	Yes		Category Remarks	This is a category

**tblfurn\_type**

Column	Type	Null	Links to	Comments	Sample Data
typeID ( <i>Primary</i> )	int(11)	No		ID of Furniture Type	1
typeName	varchar(45)	No		Furniture Type Name	Sofa
typeDescription	varchar(100)	Yes		Furniture Type Description	Soft Sofa
typeStatus	varchar(45)	No		Furniture Type Status	Listed
typeCategoryID	int(11)	No		ID of Furniture Type Category	1

**tblinvoicedetails**

Column	Type	Null	Links to	Comments	Sample Data
invoiceID ( <i>Primary</i> )	int(11)	No		ID of Invoice Details	1
invorderID	int(11)	No	tblorders -> orderID	Downpayment	25000
balance	decimal(5,2)	No		Balance	50000
dateIssued	date	No		Data Issued	3/2/17

invoiceStatus	varchar(45)	No		Invoice Status	Listed
invoiceRemarks	varchar(250)	Yes		Invoice Remarks	Bill
invDelrateID	int(11)	No	tbldelivery_rates -> delivery_rateID	ID of Order (tblorders)	1
invPenID	int(11)	No	tblpenalty -> penaltyID	ID of Penalty	1

**tbljobs**

Column	Type	Null	Links to	Comments	Sample Data
jobID ( <i>Primary</i> )	int(11)	No		ID of Job	1
jobName	varchar(45)	No		Job Name	Carver
jobDescription	varchar(100)	Yes		Job Description	Carves
jobStatus	varchar(45)	No		Job Status	Listed

**tblmodeofpayment**

Column	Type	Null	Links to	Comments	Sample Data
modeofpaymentID ( <i>Primary</i> )	int(11)	No		ID of Mode of Payment	1
modeofpaymentDesc	varchar(45)	No		Mode of Payment Description	Cash On Delivey
modeofpaymentStatus	varchar(45)	No		Mode of Payment Status	Listed

**tblorder\_customization**

Column	Type	Null	Links to	Comments	SAMPLE DATA
orCustID ( <i>Primary</i> )	int(11)	No		ID of Order Customization	1
orOrderReqID ( <i>Primary</i> )	int(11)	No	tblorder_request -> order_requestID	ID of Order Request (tblorder_request)	1
orFabricID	int(11)	Yes	tblfabrics ->	ID of Fabric	1

			fabricID	(tblfabrics)	
orFrameworkID	int(11)	Yes	tblframeworks -> frameworkID	ID of Framework (tblframeworks)	1
orSizeSpecs	varchar(150)	Yes		Order Customization Size Specification	H-34 inch, W-30 inch, D-24 inch
orDescription	varchar(250)	Yes		Order Customization Size Description	

**tblorder\_request**

Column	Type	Null	Links to	Comments	Sample Data
order_requestID ( <i>Primary</i> )	int(11)	No		ID of Order Request	1
orderProductID	int(11)	No	tblproduct -> productID	ID of Product (tblproduct)	1
tblOrdersID ( <i>Primary</i> )	int(11)	No	tblorders -> orderID	ID of Order (tblorders)	1
orderRemarks	varchar(250)	Yes		Order Remarks	This is order
orderQuantity	int(11)	No		Order Quantity	2

**tblorders**

Column	Type	Null	Links to	Comments	Sample Data
orderId ( <i>Primary</i> )	int(11)	No		ID of Order	1
receivedbyUserID	int(11)	Yes	tbluser -> userID	ID of User (tbluser)	1
dateOfReceived	date	No		Date of Received	3/2/17
dateOfRelease	date	No		Date of Release	3/1/17
custOrderID	int(11)	No	tblcustomer -> customerID	ID of Customer (tblcustomer)	1
orderStatus	varchar(45)	No		Order Status	Listed
shippingAddress	varchar(45)	Yes		Shipping Address	Tondo, Manila
orderType	varchar(45)	No		Order Type	Pre-Order

orderRemarks	varchar(100)	Yes		Order Remarks	This is an order
--------------	--------------	-----	--	---------------	------------------

**tblpackage\_inclusions**

Column	Type	Null	Links to	Comments	Sample Data
package_inclusionID (Primary)	int(11)	No		ID of Package Inclusion	1
product_incID	int(11)	No	tblproduct -> productID	ID of Product (tblproduct)	1
package_incID	int(11)	No	tblpackages -> packageID	ID of Package (tblpackages)	1
package_incStatus	varchar(45)	No		Package Inclusion Status	Archived

**tblpackages**

Column	Type	Null	Links to	Comments	Sample Data
packageID (Primary)	int(11)	No		ID of Package	1
packagePrice	decimal(6,2)	No		Package Price	50000.00
packageDescription	varchar(250)	Yes		Package Description	
packageStatus	varchar(45)	No		Package Status	Listed

**tblpayment\_details**

Column	Type	Null	Links to	Comments	Sample Data
payment_detailsID (Primary)	int(11)	No		ID of Payment Detail	1
invID	int(11)	Yes	tbldelivery_rates -> delivery_rateID	ID of Delivery Rate (tbldelivery_rates)	1
dateCreated	datetime	No		Date of payment	1
amountPaid	decimal(6,2)	No		Amount Paid	2500.00
mopID	int(11)	No	tblmodeofpayment -> modeofpaymentID	ID of Mode of Payment	1

paymentStatus	varchar(45)	Yes		Payment Status	Listed
---------------	-------------	-----	--	----------------	--------

**tblpenalty**

Column	Type	Null	Links to	Comments	Sample Data
penaltyID ( <i>Primary</i> )	int(11)	No		ID of Penalty	1
penaltyName	varchar(45)	No		Penalty Name	Storage Fee
penaltyRateType	varchar(45)	No		Penalty Rate Type	Amount
penaltyRate	decimal(6,2)	No		Penalty Rate	500
penaltyRemarks	varchar(250)	Yes		Penalty Remarks	Weekly
penStatus	varchar(45)	No		Penalty Status	Listed

**tblprod\_images**

Column	Type	Null	Links to	Comments	Sample Data
prodImageID ( <i>Primary</i> )	int(11)	No		ID of Product Image	1
prodImgID	int(11)	No	tblproduct -> productID	ID of Product Record	1
prodImageName	varchar(100)	No		Name of image	Lee.png
prodImgStatus	varchar(45)	No		Status of record	Archived

**tblprodsonpromo**

Column	Type	Null	Links to	Comments	Sample Data
onpromoID ( <i>Primary</i> )	int(11)	No		ID of Product Onsale	1
saleStatus	varchar(45)	No		Status of record	Listed
prodPromoID	int(11)	Yes	tblproduct -> productID	ID of Product	1
promoDescID	int(11)	No	tblpromos -> promoID	ID of Promo	1
packPromoID	int(11)	Yes	tblpackages -> packageID	ID of Package	1

**tblproduct**

Column	Type	Null	Links to	Comments	Sample Data
productID ( <i>Primary</i> )	int(11)	No		ID of Product	1
prodTypeID	int(11)	No	tblfurn_type -> typeID	ID of Furniture Type (tblfurn_type)	1
prodFrameworkID	int(11)	No	tblframeworks -> frameworkID	ID of Framework (tblframeworks)	1
prodFabricID	int(11)	No	tblfabrics -> fabricID	ID of Fabric (tblfabrics)	1
productName	varchar(45)	No		Product Name	Manillena
productDescription	varchar(150)	Yes		Product Description	A chair
productPrice	decimal(7,2)	No		Product Price	50000
prodMainPic	varchar(100)	No		Product Image	Manillena.png
prodSizeSpecs	varchar(100)	No		Product Size Specification	H-32,W-31,D-30
prodCapacity	int(11)	Yes		Product Capacity	4
prodQuantity	int(11)	Yes		Quantity Available	3
prodStat	varchar(45)	No		Product Status	Listed

**tblproduction**

Column	Type	Null	Links to	Comments	Sample Data
productionID ( <i>Primary</i> )	int(11)	No		ID of Production	1
productionOrderReq	int(11)	No	tblorder_request -> order_requestID	ID of Order Request (tblorder_request)	1
productionEmp	int(11)	Yes	tblemployee -> empID	ID of Employee (tblemployee)	1
prodPhase	varchar(45)	Yes		Production Phase	Carving
productionStatus	varchar(45)	No		Production Status	On-going



prodRecordStatus	varchar(45)	No		Production Record Status	Listed
prodDateStart	date	No		Production Date Start	3/17/2017
prodDateEnd	date	Yes		Production Date End	4/15/2017
productionRemarks	varchar(100)	Yes		Production Remarks	Go

**tblpromos**

Column	Type	Null	Links to	Comments	Sample Data
promoID ( <i>Primary</i> )	int(11)	No		ID of Promo	1
promoRateType	varchar(45)	No		Promo Rate Type	Percentage
promoRate	decimal(6,2)	No		Promo Rate	5000
promoDescription	varchar(250)	Yes		Promo Description	50% off
promoStartDate	date	No		Promo Start Date	3/2/17
promoEndDate	date	No		Promo End Date	4/2/17
promoStatus	varchar(45)	No		Promo Status	Listed

**tbluser**

Column	Type	Null	Links to	Comments	Sample Data
userID ( <i>Primary</i> )	int(11)	No		ID of User	1
userName ( <i>Primary</i> )	varchar(80)	No		Username	juandelacruz
userPassword	varchar(45)	No		Password	User
userStatus	varchar(45)	No		User Status	Listed
userType	varchar(45)	No		User Type	Customer
userCustID	int(20)	Yes	tblcustomer -> customerID	ID of Customer	1
userEmpID	int(11)	Yes	tblemployee -> empID	ID of Employee	1
dateCreated	date	No		Date created	3/17/2017

### 3.2.1.2 Final Class Diagram



### 3.2.2 Database Design

### 3.2.2.1 Database Schema

