"Print Shop"

Phase#2
Nouns Identifications and UML Diagram.

Team Number:45
Project Number:2

Identified Noun	Description	Status
Print Shop.	A place where all operations are done.	Research
Item	We need to call to create order.	Included
New item	Status of an item, has to be processed in a certain way.	Included
Old item	Status of an item, also has to be processed in a certain way.	Included
Print jobs	Proccessed job.	Included
Customer	A key thing with lots of data.	Included
Book	Type of items no need to store.	Excluded
Magazines	Type of items no need to store.	Excluded
Brochure	Type of items no need to store.	Excluded
Booklets	Type of items no need to store.	Excluded
Employee	Needed to preform actions and it's also a key thing.	Included
Costumer Relationship Employee	Type of employee.	Included
Print Depatrment Employee	Type of employee.	
Approval	Status in the process	Excluded
Name	Info. about costumer.	Excluded

Address	Info. about costumer.	Excluded
Phone	Info. about costumer.	Excluded
Agencies/Membership.	Info. about costumer.	Excluded
New Edition	State of item.	Excluded
Raw Material	Need for print job (a key thing).	Included
Price	Data about raw material.	Excluded
Number Of Pages	Item specification.	Excluded
Size of item	Item specification.	Excluded
Dimension	Item specification.	Excluded
Paper sheet type	Item specification.	Excluded
Color	Item specification.	Excluded
Cover	Item specification.	Excluded
Report	Output from pricing quote.	Excluded
Warehouse	Receiving certain data from.	Research
Content	Item specification.	Excluded
Demo\prototype	Single copy of the final product mass print.	Excluded
Departments	Included in print process.	Included
Managers	Included in print process.	Included
CRM senior	Type employee or manager.	Research

NewItem

is an →

Item

name : String
ID : Integer
state : String
color : String
Dimensions : array
numOfPages : Integer

getItemSpecs()

OldItem

getOldItemSpecs()
getRawMaterialPrices()

is an →

Consists of

1 ..*   1

PrintJob

name : String
customerName : String
CREmployeeName : String
listOfItems : ArrayList

addItem()
removeItem()

process   1..*
1..*

Has   1..*

Department

depName : String
description : String
listOfEmployee : ArrayList

getListOfEmployee()
removeEmployee()

1

Employee

name : String
ID : Integer
depName : String
isManager : Boolean

checkCustomerStatus()
checkItemStatus()

1..*   Deals with   1..*

1..*

Places a

1..*

Customer

name : String
email : String
phoneNum : String
ID : Integer
state : String
memberShip : String

enterItemType()
enterCustomerInformation()
enterItemSpecifications()

1..*

1   Gets info

WareHouse

materialName : String
materialPrice : Float
materialQuantity : Integer

updateRawMaterialPrices()
deliverTheProduct()

is an

Manager

monitoringLevel : Integer

is an

CREmployee

updateItemStatus()
retrieveOldItemSpecs()
checkNewRawMaterialPrices()
makeCollectiveReport()
setContractValidationTime()
cancelTheContract()

is an

PrintEmployee

updateItemStatus()
prepareContentAndCover()
printPrototype()
printProduct()