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CS330 Fall 12

Prof Zeil

Potential Class:

Order, mail-order facility, mof staff, products, stock, warehouses, packing slip, customer, invoice, shipping date, charges, price, shipping and handling costs, sales taxes.

Potential Responsibilities

Received(order), check(order,inventory), divide(order), sending(packing slip, warehouse), tells(warehouse, products), ship (products, customer), prepares(invoice,order), indicating(products,shipping_date,charges)mailed(invoice,customer)

CRC Cards

Orders	
Specifies Products	Customer Mail-order facility

Warehouse	
Manages Inventory Receives Packing Slip Ships Product to Customer Has Products, Inventory	Mail-order facility Customer

Inventory	
Products in Warehouse	Warehouse

Product	
Has Price	Inventory

Customer	
Place an Order Receive shipped Products Receive Invoice	Mail-order facility Warehouse Order

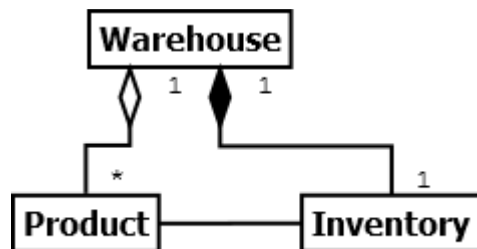
Mail-order Facility

Receive Order from Customer Check Order against Warehouse Inventory Divide Order amongst Warehouse Send Packing Slip to Warehouse Prepare Invoice Send Invoice to Customer	Order Warehouse Packing Slip Customer Invoice
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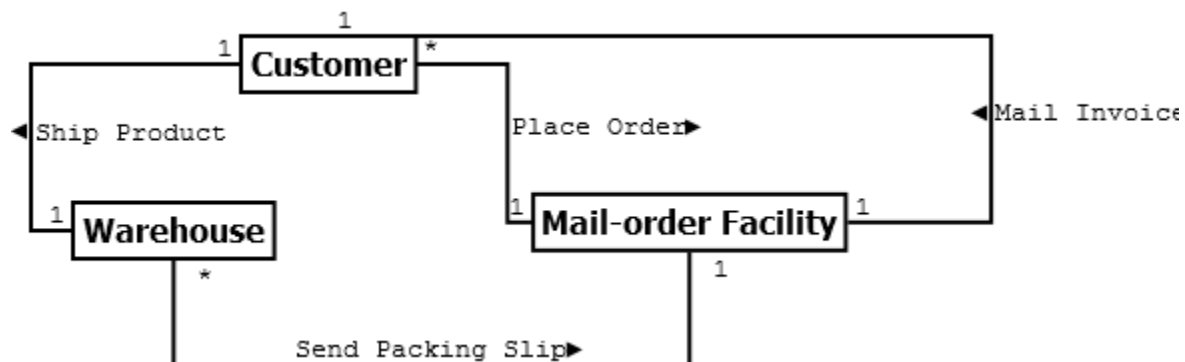
Packing Slip	
Tell warehouse which products to ship to the Customer	Warehouse Mail-order Facility

Invoice	
Has Products to be shipped, Product's price, expected shipping date, shipping and handling cost, sales tax	Customer Mail-order Facility Product

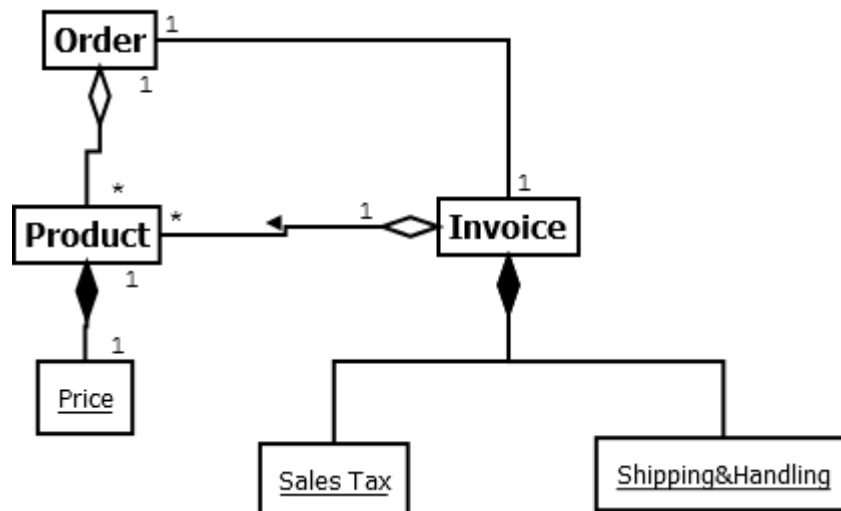
UML Diagrams



This diagram illustrates that Warehouses maintain 1 inventory, and have many Products which are accounted for in the Inventory.



This diagram illustrates that how 1 customer places an order, which prompts the Mail-order Facility to send a packing slip to the warehouse, in order for it to ship the ordered product, in addition to mailing an Invoice back to the Customer.



This diagram illustrates how one Order is associated with one Invoice, and many Products, each of which have a Price. The Invoice is associated with potentially many Products, each of which having a Price. The Invoice also contains the Sales Tax and Shipping & Handling cost.