# California State University Fullerton CPSC 462



# Object Oriented Software Design Domain Model for the



# High Velocity Sales Technology System

#### Revision History:

Version	Date	Summary of Changes	Author
1.0	November 9,	Initial Release	Ryan
	2020		McDonald
			Alexander
			Frederick
			Benjamin
			Baesu
1.1	December 7, 2020	<ul> <li>Updated Domain Model Diagram to remove software components</li> <li>Added additional descriptions for major components to document</li> </ul>	Ryan
			McDonald
		Removed Software component descriptions	Alexander
		· · ·	Frederick

### **Table of Contents**

1	Dom	nain's Major Concepts		
	1.1	Sales Ledger	1	
	1.2	Sale		
	1.3	Sales Order		
	1.4	In House Invoice	1	
		Credit Card Payment		
	1.6	Customer Info		
	1.7	Customer List	1	
	1.8	Inventory	1	
	1.9	, Item	1	
	1.10	Item Description		
		Sales Line Item		
		Data Sets		
		Sales		
	1.14	Purchase	2	
2	Dom	nain Model Diagram	2	

#### 1 Domain's Major Concepts

#### 1.1 Sales Ledger

Log of all sales and sales orders that have been processed.

#### 1.2 Sale

A sale generated by a customer accessing our system. This is different from a sales order in that that is being generated by the customer rather than a sales representative. The payment for a sale is made at the time of sales generation.

#### 1.3 Sales Order

A sale generated by a sales representative for a wholesale client. Payment is processed at a later date rather than at time of sales order generation.

#### 1.4 In House Invoice

Invoice method done within company using either checks, money order, or wire transfers. Primarily used for payment of sales orders but could be used for payment of sales in event of payment authorization system failure.

#### 1.5 Credit Card Payment

Payment for a sale or sales order that is done via credit card. Credit card authorization is done via a 3<sup>rd</sup> party system.

#### 1.6 Customer Info

Information about customer including address, date of birth, billing information and payment information.

#### 1.7 Customer List

Complete log of customers both wholesale and retail.

#### 1.8 Inventory

Collection of products that are being sold within our system.

#### 1.9 Item

Individual item within the inventory.

#### 1.10 Item Description

Describes the item via item number, a brief description of the item, cost, and sizing information.

#### 1.11 Sales Line Item

Used to describe the sale of an item within a sales order or a sale. Includes the number of the item purchased as well as cost and item information.

#### 1.12 Data Sets

Overarching concept within domain that contains all information and lists regarding our stored information both about customers and product inventory.

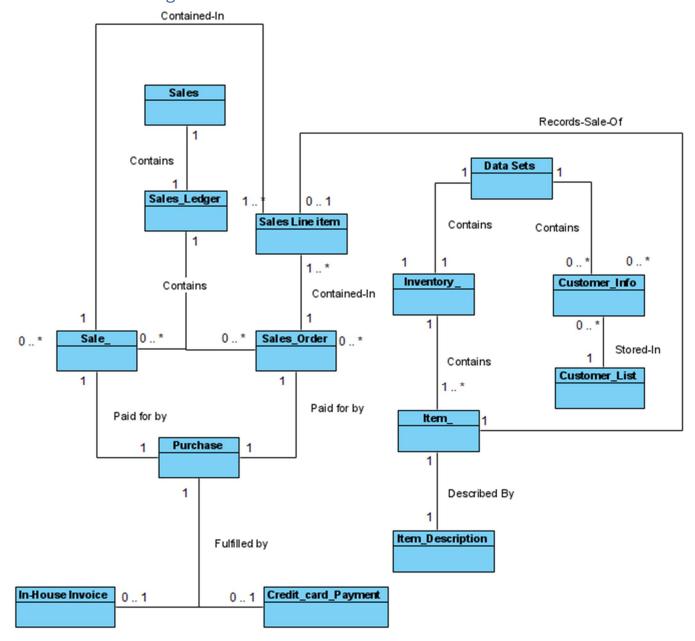
#### 1.13 Sales

Overarching portion of domain that contains all of the aspects of any transactions that are processed that generate profit for company.

#### 1.14 Purchase

A purchase is how a user pays for a sale or a sales order that has been made. Purchases can be fulfilled via two means of payment. The first and primary means of payment is a credit card payment. The credit card payment would connect to an external system in order to verify successful payment. The second method would be an inhouse invoice. This invoice could be fulfilled via either a money order, wire-transfer, or cashier's cheque in the event the primary payment services are not available.

## 2 Domain Model Diagram



High Velocity Sales Technology Page 3 of 3