



Recommendation:

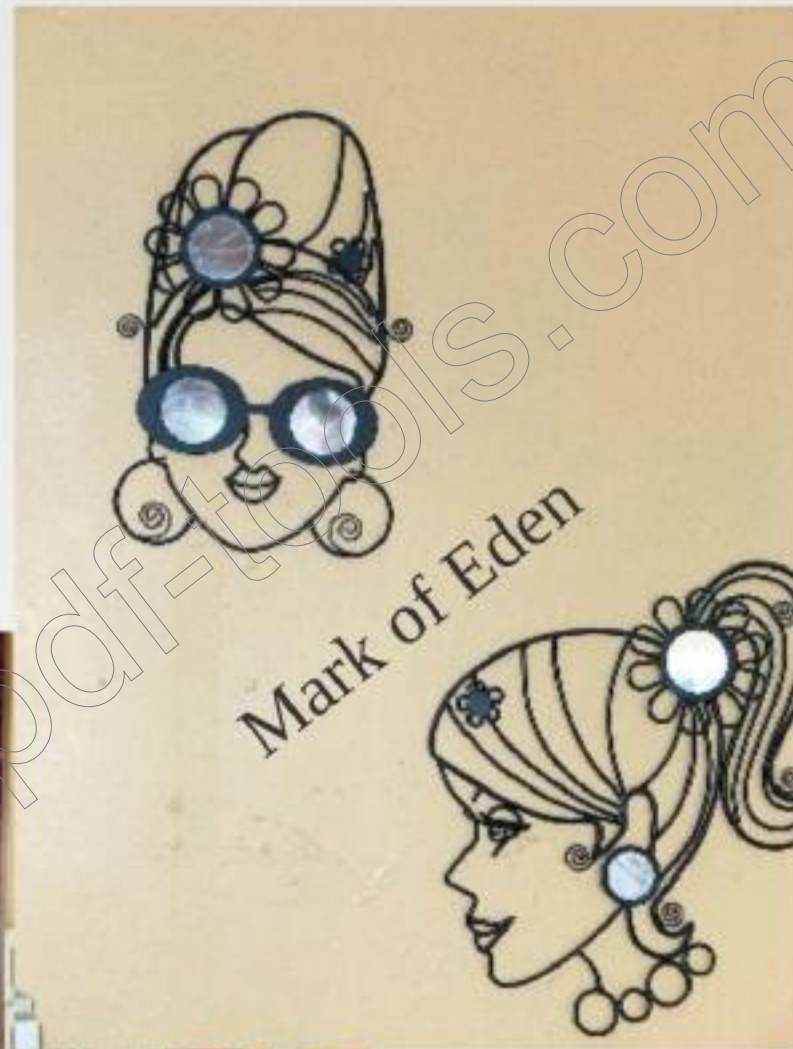
We chose the Wasp Barcode Scanner and Inventory System.

- Meets user requirements
- Meets budget (~\$2,400)
- Allows 300% current inventory turnover
- Increase sales



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Inventory
Control
System

Fact Finding Techniques



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Inventory of Current System

Hardware

- Notebook
- Working PC with Vista



Software is more critical

Hardware

- Notebook
- Working PC with Vista



Software is non-existent

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What is the Problem?

PIECES Framework

Issues	P	I	E	C	E	S
Cannot reach a broader market.		X			X	
"For sale" inventory not tracked. Restocked based on price and not popularity.		X	X			
Store supplies not restocked in timely fashion.	X	X				
Employee breaks are random and sporadic due.		X	X			

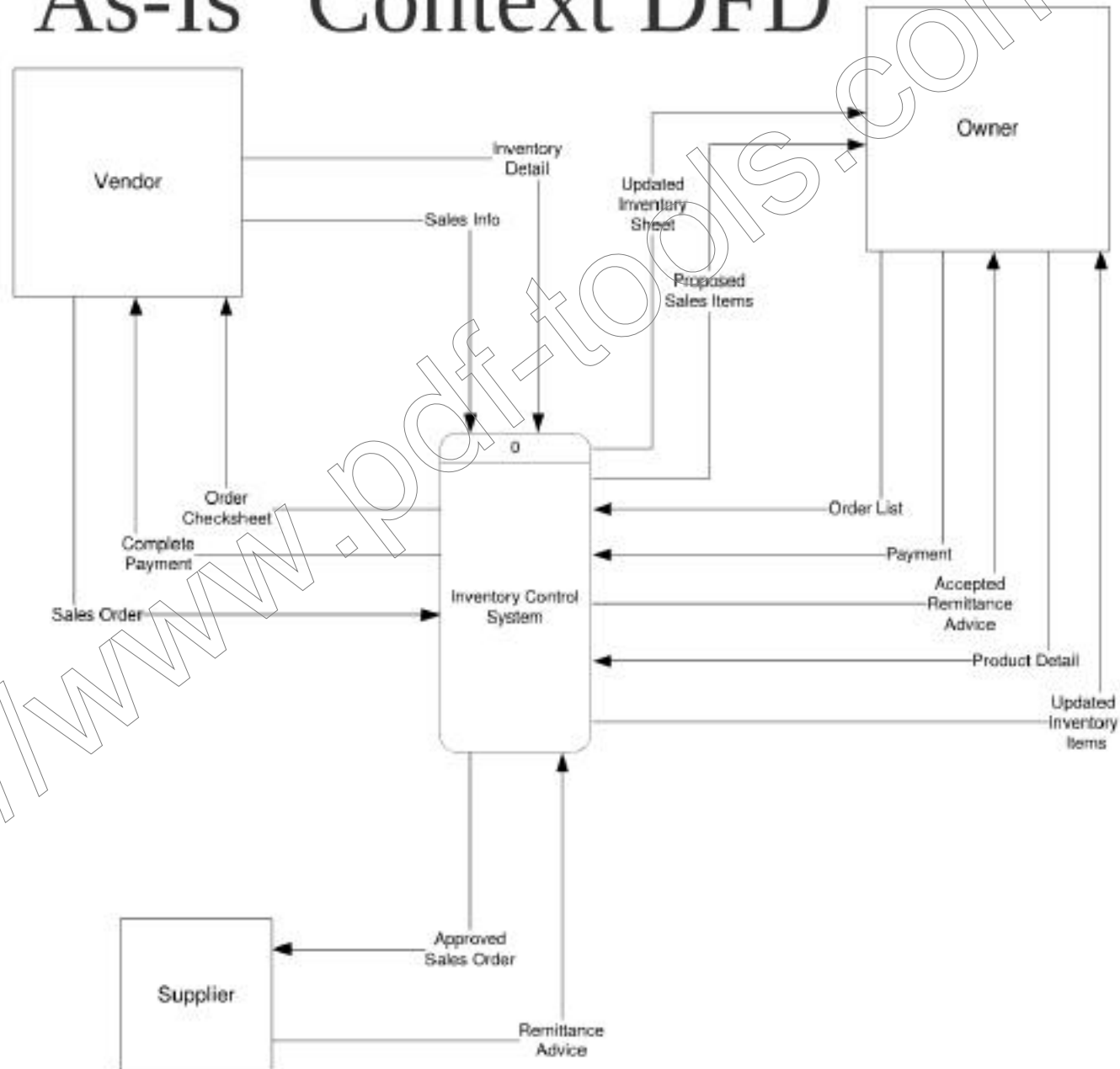
Inventory Control System

- Tracking
- No Support
- Ordering
- Pricing

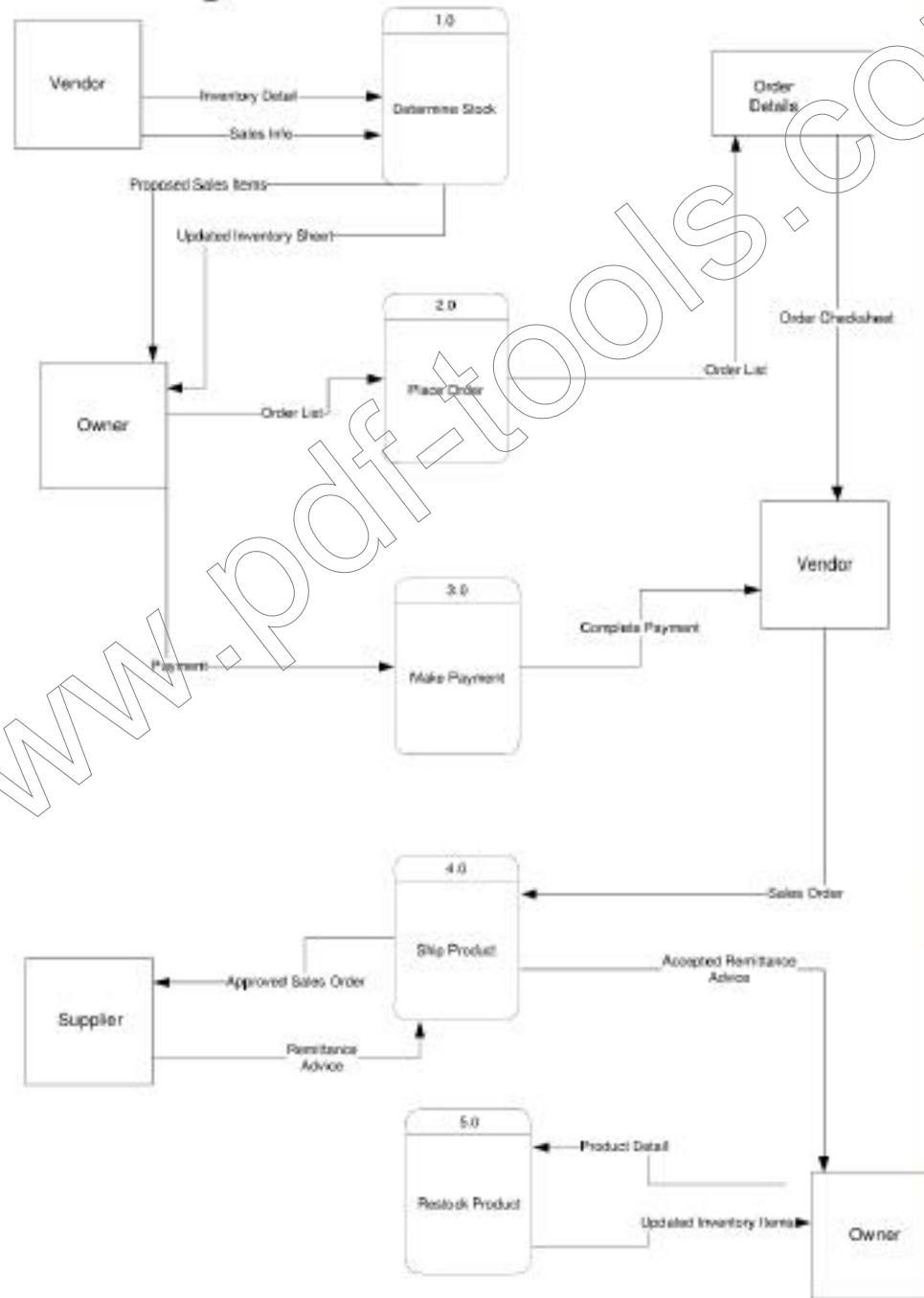
"As-Is" System

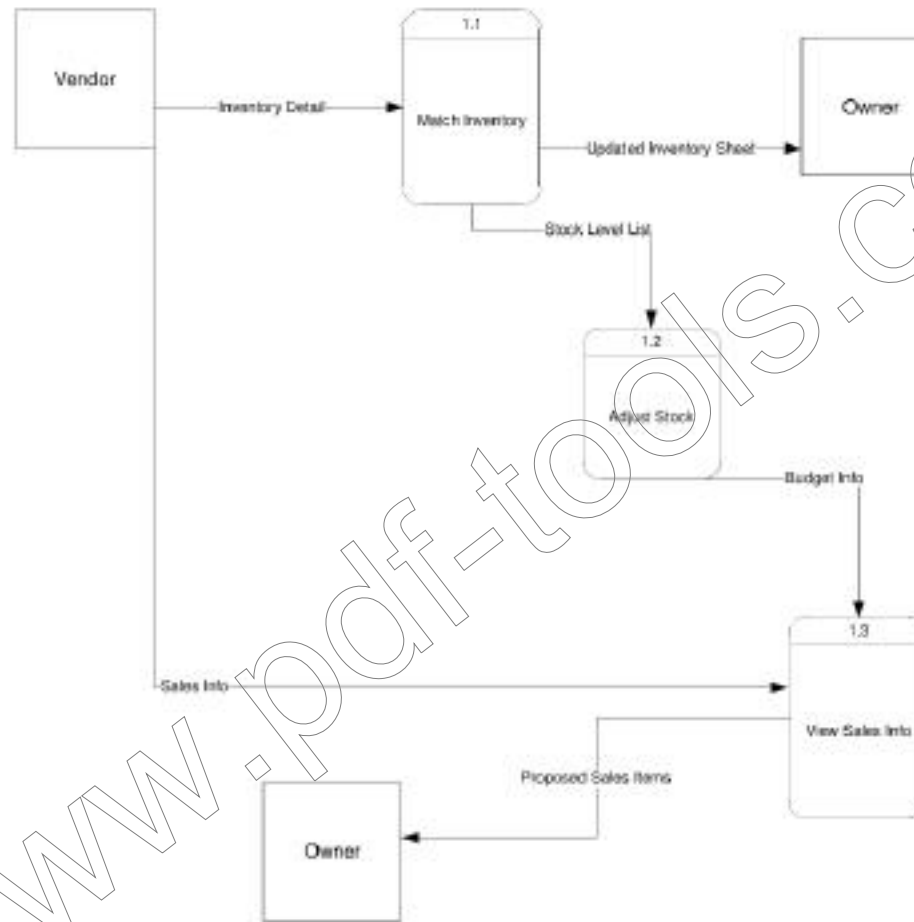


"As-Is" Context DFD

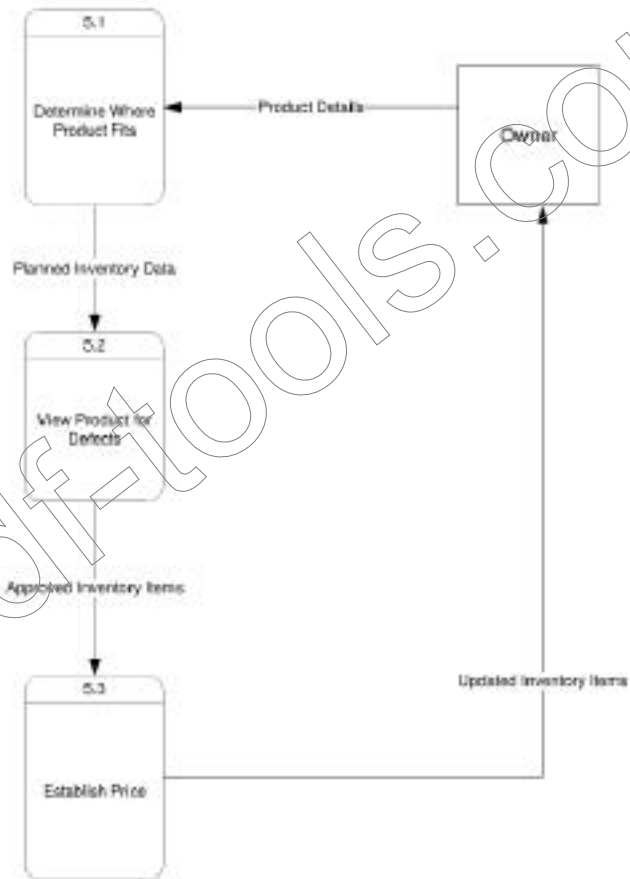


"As-Is" System Level 0 DFD



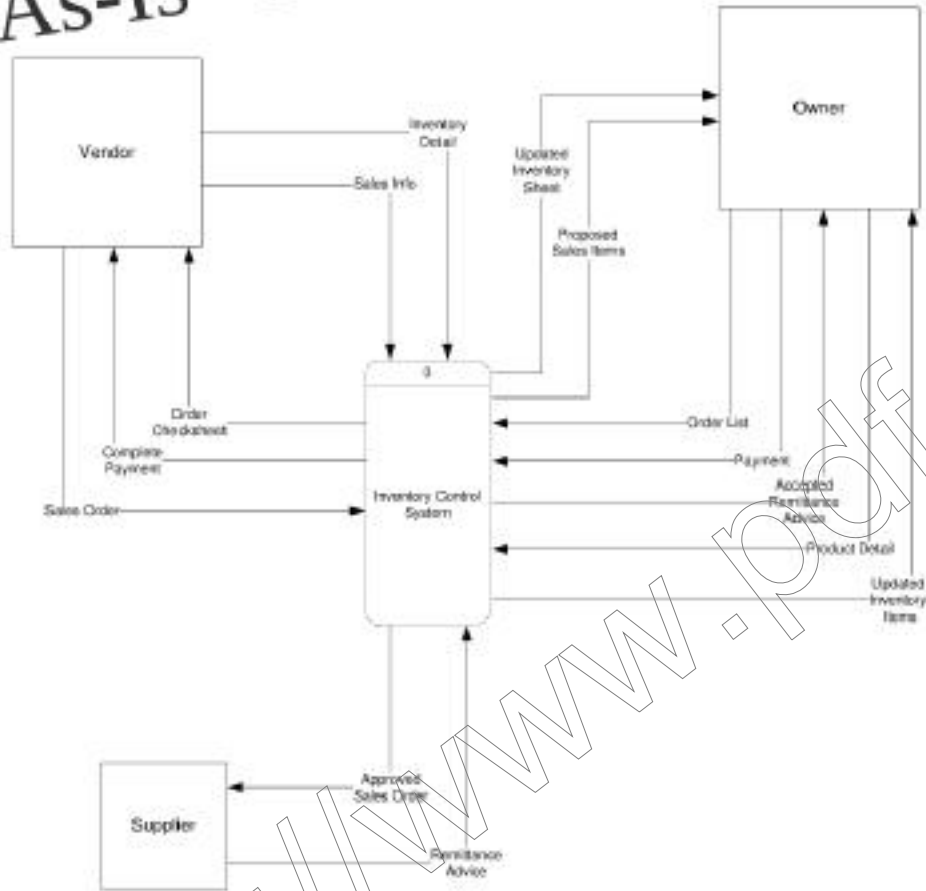


"As-Is" Level 1 (Process 1) DFD

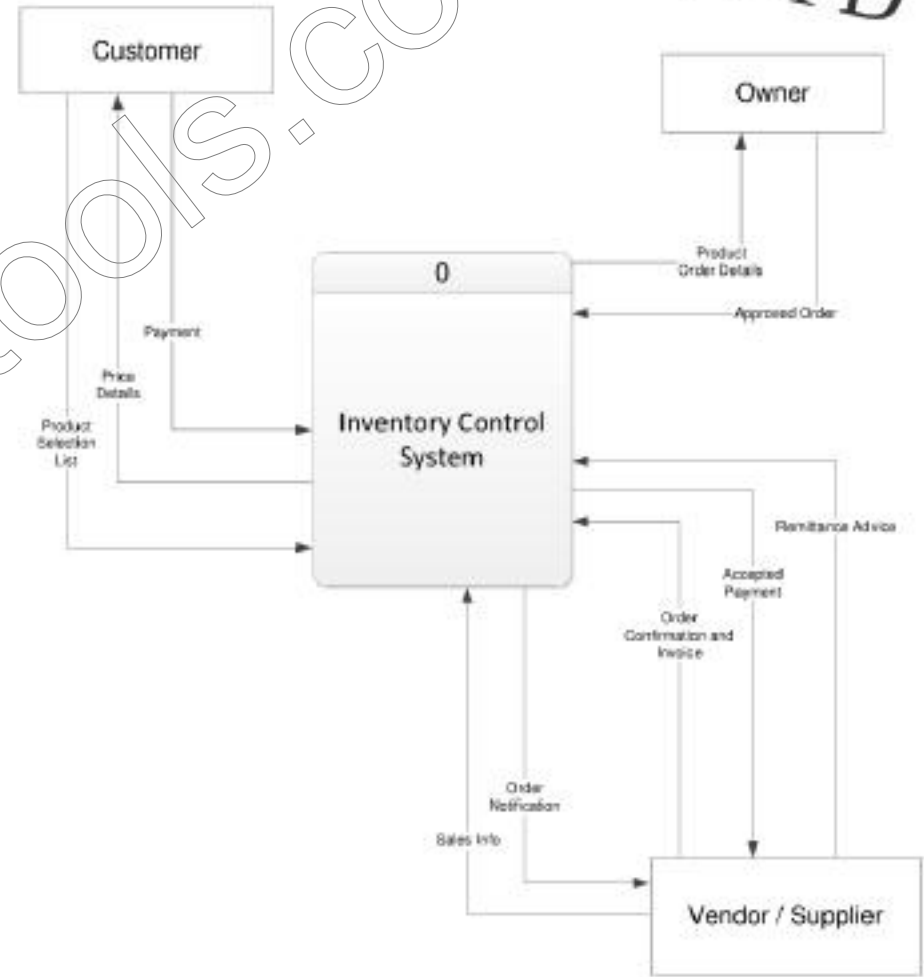


"As-Is" Level 1 (Process 5) DFD

"As-Is" Context DFD

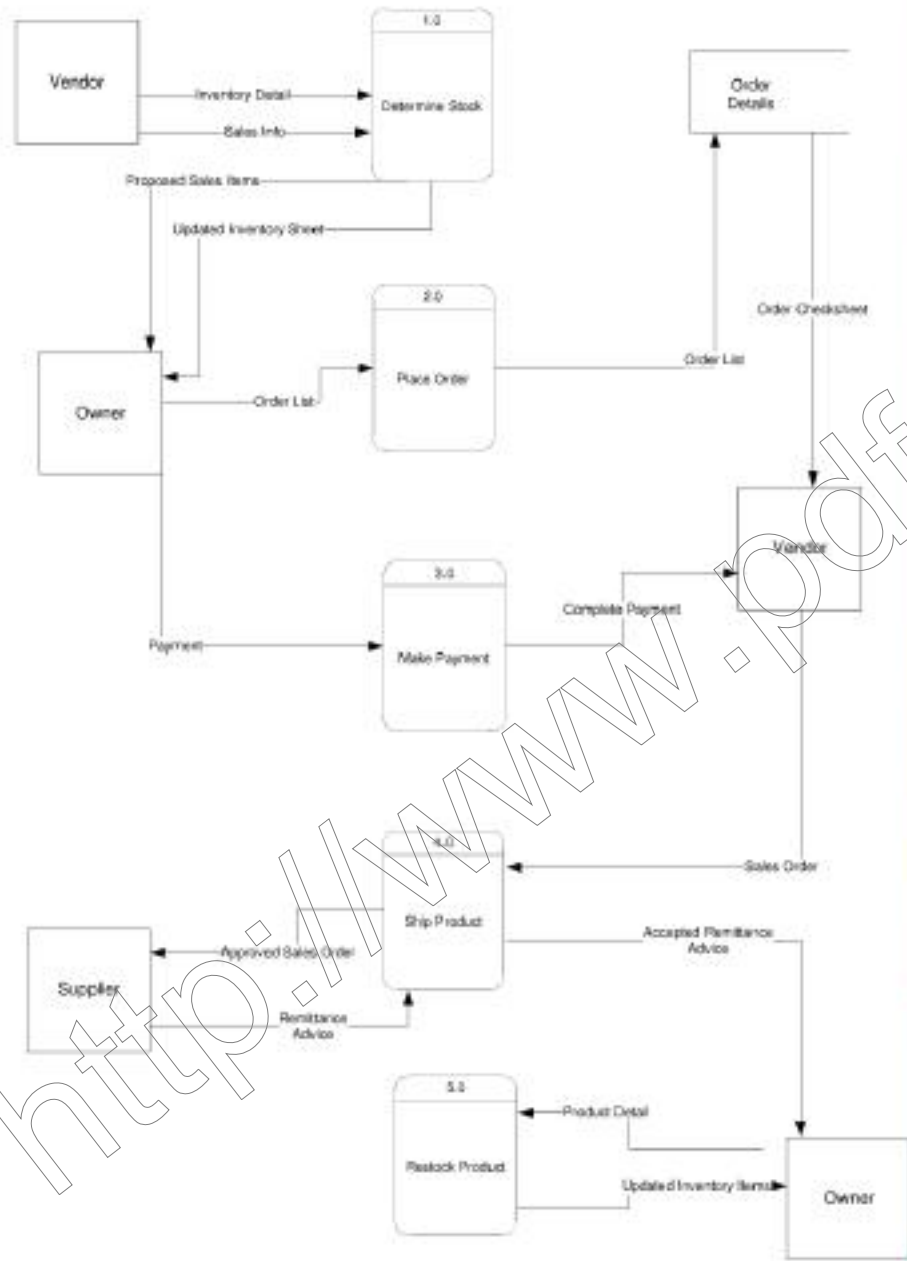


"To-Be" Context DFD

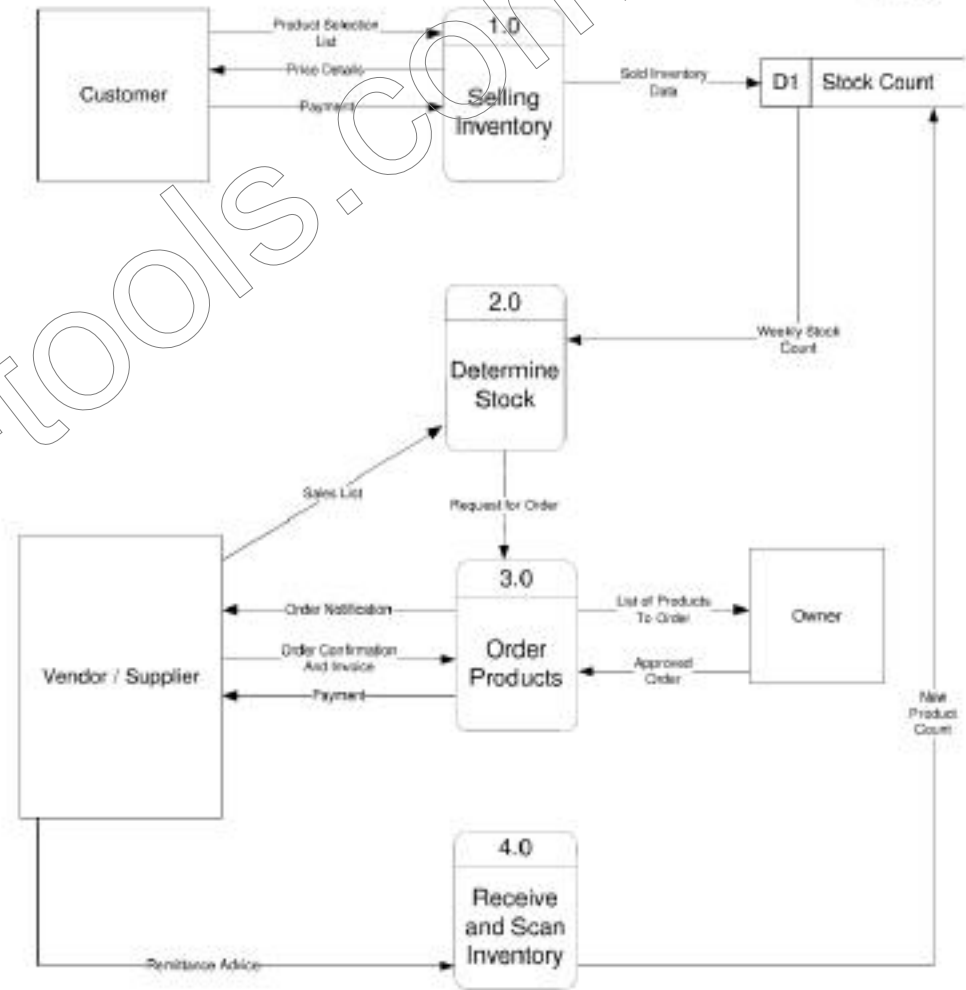


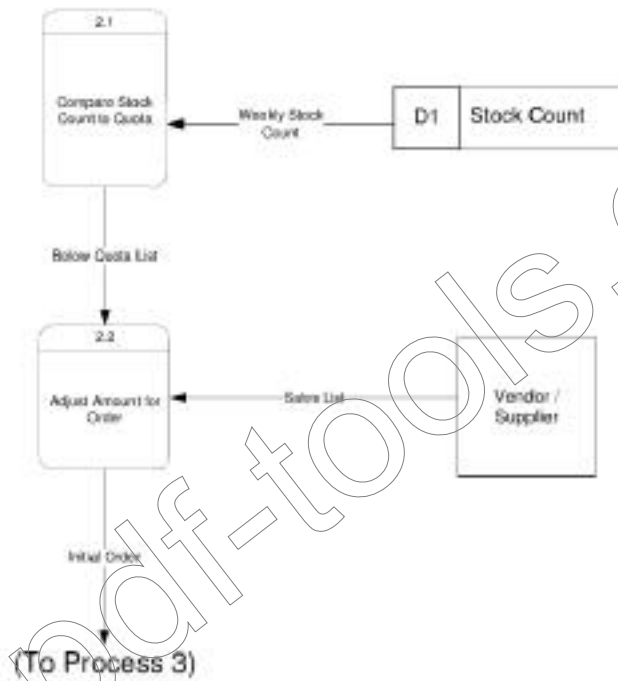
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"As-Is" System Level 0 DFD

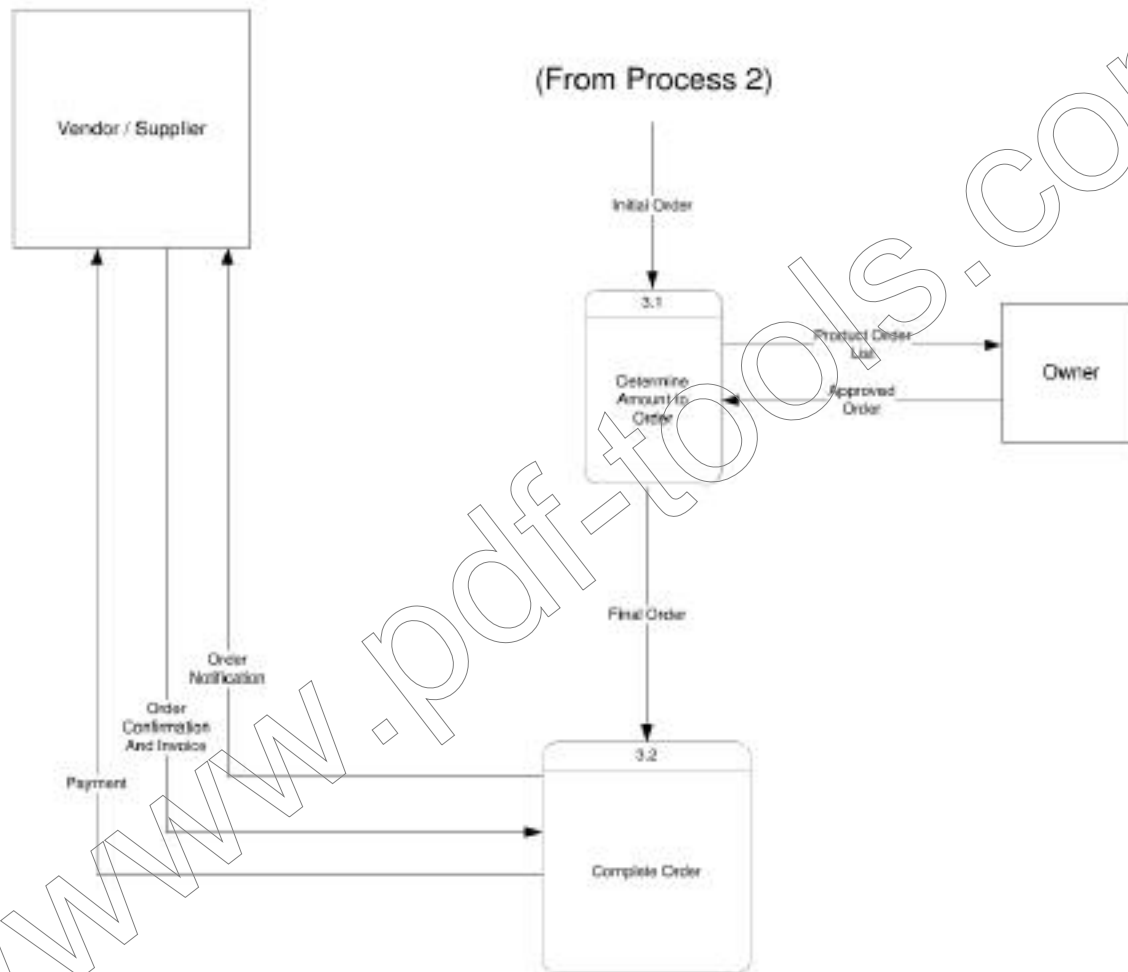


"To-Be" System Level 0 DFD





"To-Be" Level 1 (Process 2) DFD



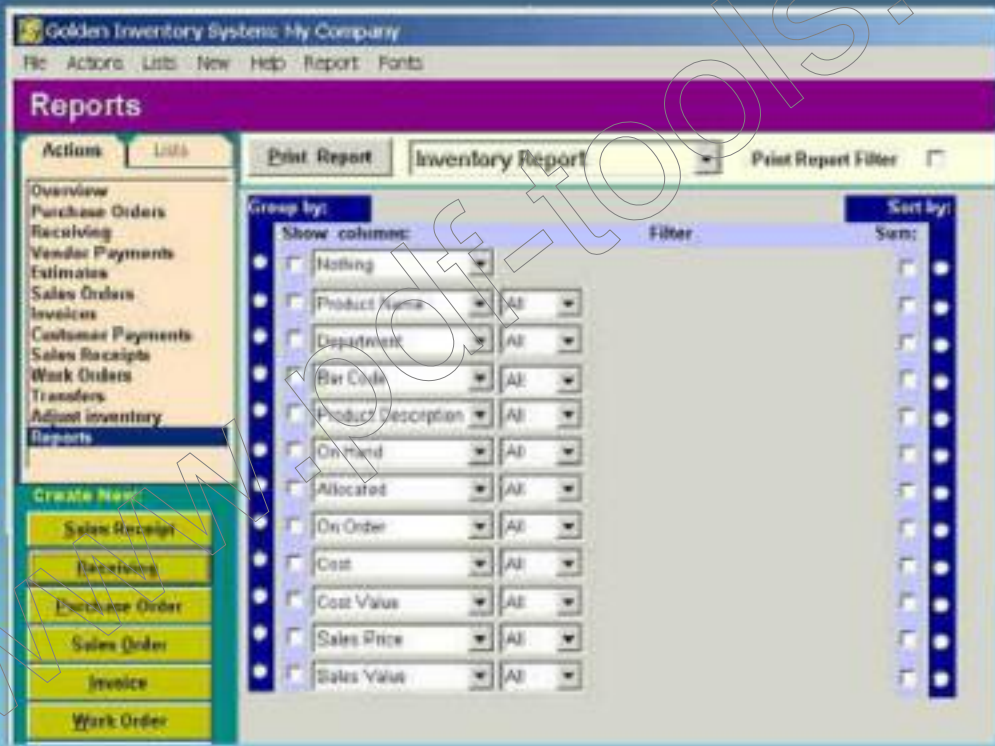
"To-Be" Level 1 (Process 3) DFD

Alternative Solutions

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"As-Is" System

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Feasibility Matrix

	Weight	Wasp Barcode Scanner & Wasp Inventory Software	Golden Inventory System	Wasp Barcode Scanner	AS-IS System
Description		Off the shelf barcode system that maintains current inventory counts, costs, and points of sale. Also provides notifications based off of various updates that can be customized based on what client feels is most important. The software and scanner cost \$1800 combined. The system is compatible with Windows XP, Windows Vista, and Windows 7.	Provides tracking of inventory sold, allows creation of labels, batches invoices and stores images of invoices. Cost is \$299. Compatible with Windows XP, Windows Vista, and Windows 7.	Simple barcode scanner that plugs into USB port of a PC. Records point of sale and inventory sold. Cost is \$325. Compatible with Windows XP, Windows Vista, Windows 7.	No automation. Relies on vendor.
Operational Feasibility	10%	This system is compatible with the specifications of the current system. It also offers the most options allows for most accurate tracking of inventory and sales. It also provides a customizable notification system on items such as stock shortages. However the hard drive may need to be updated as more storage space will be used up as the system's life progresses. Score 95	Compatible with the current system and no updating is necessary. Provides the most basic inventory tracking system. It doesn't automatically update based on point of sale. Score 90	Works well with current system and requires no need for updates. Very basic tracking of sales and inventory sold. Doesn't track inventory stocked. Score 85	Simple but has delays for when inventory is updated due to not being automated. Score 75
Technical Feasibility	25%	Will require 3-5 days of training to become acclimated with the interface and how to utilize all	This system uses an intuitive interface for easy navigation.	System is ready to use once installed and uses a basic	No special skills are needed to operate simple

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	Weight	Wasp Barcode Scanner & Wasp Inventory Software	Golden Inventory System	Wasp Barcode Scanner	AS-IS System
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		the systems tools. Score 90	Expected training period of 1-2 days. Score 95	interface for tracking updates. Only a few ours needed to become accustomed to it. Score 95	counting system. Score 85
Economic Feasibility	40%	The system cost is \$920 but could also require an additional \$50-\$100 for staff training. Updates for the system maintenance per year is aprox. \$50. Inventory turnover is expected to increase by 5-6 times the current amount. Score 100	Cost for the system is \$299. Updates for maintenance is aprox. \$10 per year. Inventory turnover expected to increase by 2-3 times the current amount. Score 90	Cost is \$325 for the system and keeping it updated will be approx. \$15 per year. Inventory turnover expected to increase by 1-2 times the current amount. Score 90	System does not allow for improvements and inefficient when dealing with sales and allowing for higher inventory turnover. Score 65
Schedule Feasibility	25%	Complete implementation of this system from installation to being operational is aprox. 1 week. Score 90	This system will be up and running from 2-4 days. Score 95	It will take 3-3 days to have the system installed and running with proper training. Score 95	Takes up 1 hour when updated due to no automation. Score 75
Weighted Score	100%	94.5	92.5	92	54.75

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Recommendation



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Recommendation

We chose the Wasp Barcode Scanner and Inventory System

- Meets user requirements
- Meets budget (<\$2,400)
- Allows 5 times current inventory turnover
- Increase sales

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Thank you for your time!
Questions? Comments?

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