

Team Members:

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CSCC40
PRESENTATION

Team GuanQuang

Airs Powder Coating Inc.

Intro:

A small company that powder coats any custom size metal.

Description:

Powder coating is a type of coating used to paint metals by using an electrically charged gun and dry powder paint. The metal then heated to melt the paint, giving it a nice clean even coat.

Current Problems

- The current inventory management system is detrimental to the operation of the company
- Paint is wasted, clients are unsatisfied, time is lost, and human resources could be used for production instead of inventory checking
- Need a more systematic way of organizing what is coming in, being used, and going out

Requirements

Functional

- Up-to-date inventory status
- Staff can maintain inventory but only managers can manually edit it
- Allow automatic and manual ordering of paint
- Able to print or send invoices to customers and close finished orders

Requirements

Non-Functional

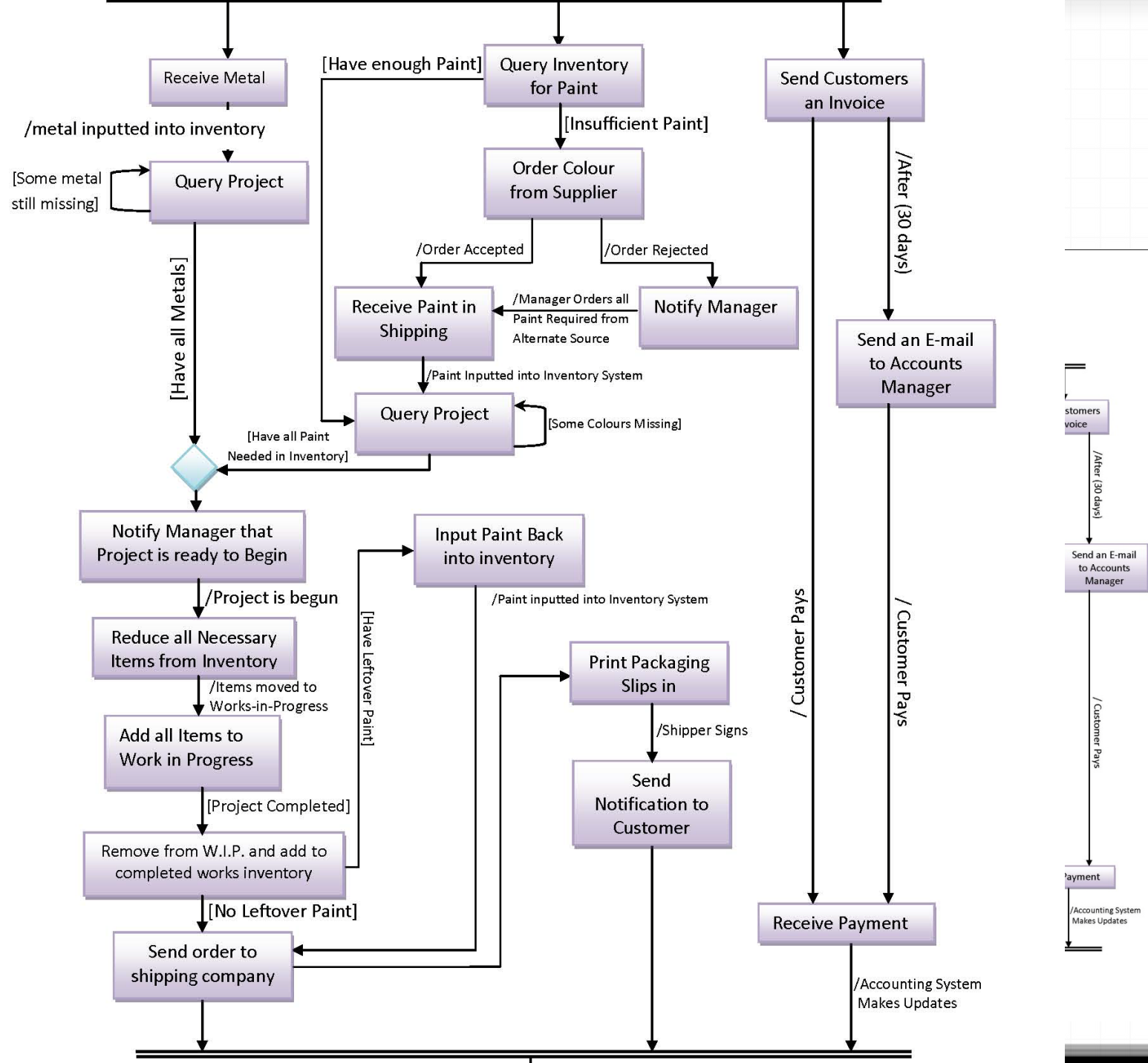
- Minimal training for software usage (1 day of training)
- Operates at 35°C+
- Very responsive with email, delayed at no more than 2 minutes
- Protects from unauthorized access

Proposed Alternative

Hardware

- ✓ 3 new computers
- ✓ 2 barcode scanners
- ✓ Multipurpose printer
- ✓ Weight scale
- ✓ Router

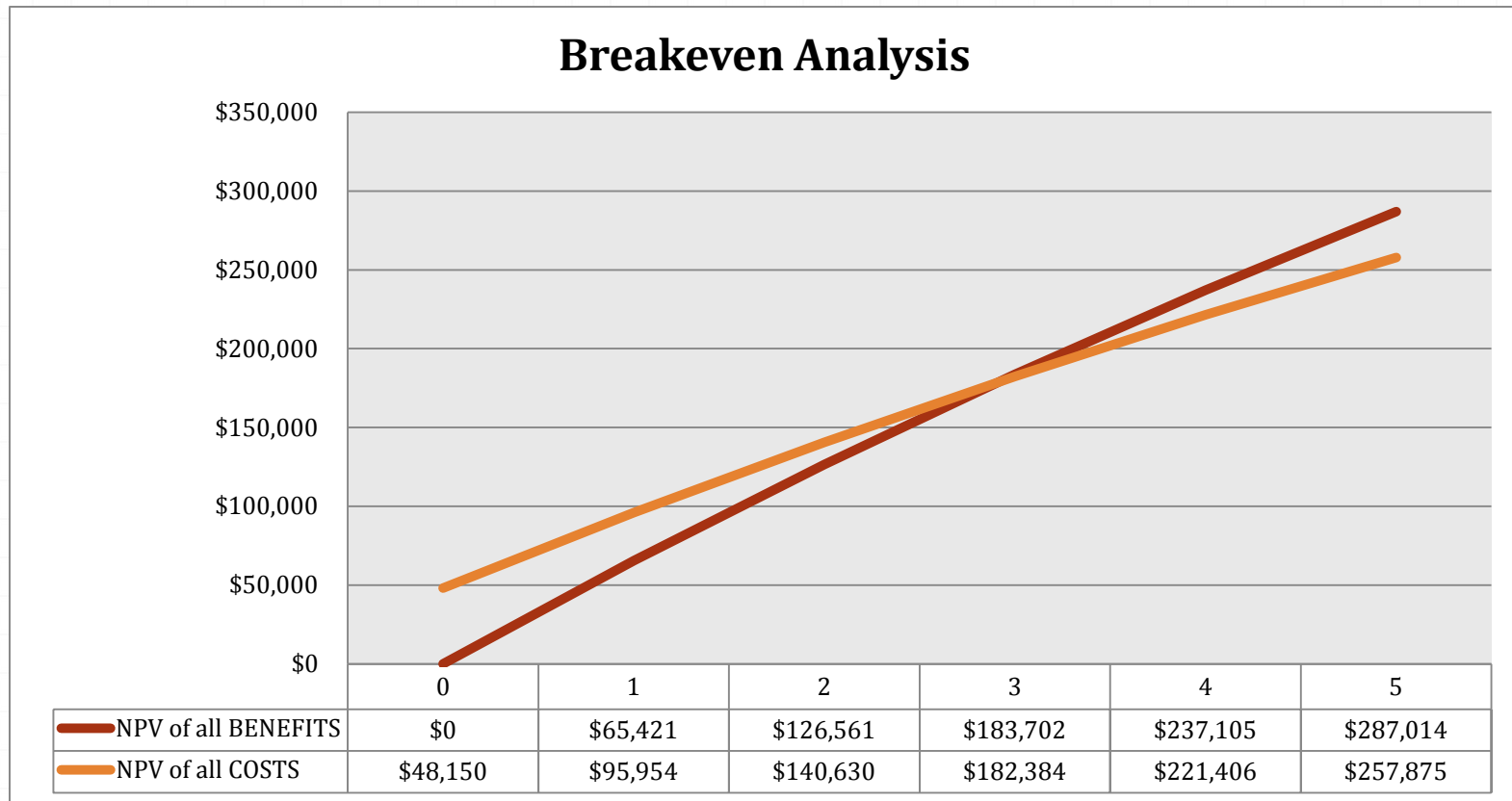




Break-Even Analysis

Summary of Initial Costs		
Development		
Hardware	\$ 3,000.00	2 Computers for development team
	\$ 250.00	Wireless router
	\$ 500.00	Office wireless laser printer for shipping & receiving
	\$ 1,000.00	2 barcode scanners
	\$ 4,500.00	3 computers
Development team salaries	\$ 38,400.00	\$60/hr for 4 weeks for 4 developers
Training	\$ 500.00	1 day management training program
Total Development Cost		\$ 48,150.00
Operational		
Hardware	\$ 1,000.00	Computer upgrades, repairs, and replacement
Web hosting	\$ 150.00	Annual basic plan
Support	\$ 45,000.00	Maintenance and tech support
Total Operational Cost		\$ 51,150.00
Benefits		
Salary savings	\$ 10,000.00	saves 20% of inventory clerk's time
Customer satisfaction	\$ 15,000.00	5% expected increase in customer retention
Organization	\$ 15,000.00	5% increase in sales from elimination in misplacements and lost shipments
Turnovertime	\$ 30,000.00	10% increase in production time
Total Benefit		\$ 70,000.00
Discount Rate Used	7.00%	IT sector required rate

Break-Even Analysis



Thank You