PIECES Analysis Part 1

P&DS #s	System/subsystem Label							
	Symptoms/Problems	P	I	E	C	E	S	Underlying Problem Codes
D1	Some out-of-stock products are still listed on the website and can be ordered.	X	X					A, B, C
P3.2 ; P3.3; P3.4	update catalogue to reflect up-to-date stock information on website.	X				X		A, C, E
D11; P3.2; P3.8	Items stock out regularly.		X	X				B, C
P3.4	Owner must email and notify customers manually if they purchase an out-of-stock item.	X	X			X		A, C, E
D11; P3.2; P3.8; P3.7; P3.3; P3.4	Inventory is not tracked.		X	X				B, D, F
D11; P3.2; P3.3; P3.4; P3.8	Free product giveaways are not tracked.		X	X				B, D, F
D2; 1.2	Guest details are only used for conservation purposes.	X	X					B, C

Note: P&DS #s indicate process or DS associated with the symptom or problem that has been discovered.

Underlying Problem Codes	Code Descriptions
A	Inadequate response time
B	Lack of relevant information
C	Data not captured in time to be useful
D	Finances are unknown
E	Effort required for task is excessive
F	Not a standardized process

General Problem:

- Damaged products from suppliers.
- No budget for spending.
- Having trouble finding new products

PIECES Analysis Part 2 template

Underlying Problem Code	From Table 1 Subsystem#, (P#, D# in the current system DFD)	Impact on the proposed system DFD (P#, D# in the proposed system DFD)	No impact on the DFD − (requires only IT solution)
A	**P1.0:** D1; **P2.0:** **P3.0:** P3.2; P.3.3; P3.4	**P1.0:** P1.1, D.1 **P2.0:** **P3.0:** P3.2; P3.3; P3.4	N/A
B	**P1.0:** D1; D2; D10; P1.2; **P2.0:** D11; D12; **P3.0:** P3.2; P3.3; P3.4; P3.8;	**P1.0:**P1.1, D.1 **P2.0:** **P3.0:** P3.2; P3.3; P3.4; P3.7 P.3.8; P3.12; P3.13; D11	Potential barcode scanning system
C	**P1.0:** **P2.0:** **P3.0:**P3.2; P3.3; P3.4	**P1.0:** P1.1, D.1 **P2.0:** **P3.0:** P3.2; P3.3; P3.4;	N/A
D	**P1.0:** **P2.0:** D11; **P3.0:** P3.2; P3.3; P3.4; P3.8;	**P1.0:** **P2.0:** **P3.0:**	N/A
E	**P1.0:** **P2.0:** **P3.0:** P3.2; P3.3; P3.4;	**P1.0:** **P2.0:** **P3.0:** P3.2; P3.3; P3.4;	Set an automatic system that would update catalogue
F	**P1.0:** **P2.0:** D11; D12; **P3.0:**P3.2; P3.5; P3.-12; P3.3; P3.4;	**P1.0:** **P2.0:** **P3.0:** P3.2; P3.3; P3.4; P.3.5; P3.6; P3.7; P3.8; P3.13; D12	N/A

Deleted Process and/or DS

Modified Process and/or DS

New Process and/or DS