



## DATABASE DESIGN CONCEPTS

### ORDER – INVENTORY – PTC DATA

Customer Inventory COUNT + ORDER History FILE

Cust#	Item#	Date	Actual Delivery Quality	Actual ORDER Quality	Calculated ORDER Quality	Shelf Inv Count Loc 1-X	Shelf Empty flag	Bck Stk Inv Count Loc 1-X	Bck Stk Empty flag	Special Promotion PTC	Special Promo Code	Other data
1244057	A1001	11-22-2010	8	9	9	7		4		12.95	abc	
1244057	A1001	08-25-2010				3		7		12.95	abc	
1244057	A1001	08-29-2010				0	yes	0	yes	12.95	abc	
1244057	A1001	09-03-2010				8		3		12.75	overrid	
1244057	B1002	08-22-2010	5	5	5	2		3				
1244057	B1002	08-25-2010				3		7				
1244057	B1002	08-29-2010				1		2				
1244057	B1002	09-03-2010				5		5				
1244057	C1003	08-22-2010										
1244057	C1003	08-25-2010										
1244057	C1003	08-29-2010										
1244057	C1003	09-03-2010										

CLICK

Continuous Replenishment CENTRALIZED

Calc BUILD-TO minus INV CNT

### SHELF DATA

Customer SHELF SPACE History FILE

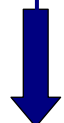
Cust#	Item#	Date	Shelf Loc Code	Shelf Count seq#	Shelf Facings 1-X	Shelf Capc 1-X	Bck Stk Capc 1-X	BckStk Count seq#	Std Build-TO Quality	Std PTC	O T H
1244057	A1001	08-22-2010	1	1	2	8	6	1	20	14.99	
1244057	A1001	08-25-2010	1	1	2	8	6	1	20	14.99	
1244057	A1001	08-29-2010	1	1	2	8	6	1	10	14.99	
1244057	A1001	09-03-2010	1	1	2	8	6	1	10	14.99	
1244057	B1002	08-22-2010	2	2	6	8	4	3	10	14.99	
1244057	B1002	08-25-2010	2	2	6	8	4	3	10	14.99	
1244057	B1002	08-29-2010	2	2	6	8	4	3	10	14.99	
1244057	B1002	09-03-2010	2	2	6	10	4	3	10	14.99	

### DISPLAY DATA

Customer DISPLAY History FILE

Cust#	Item#	Date	Display Loc Code	Display Type Code	Booked Display Quantity	Display Count QTY
1244057	A1001	08-22-2010	A	xxx	20	15
1244057	A1001	08-25-2010	A	xxx	20	10
1244057	A1001	08-29-2010	A	xxx	20	8
1244057	A1001	09-03-2010			0	0
1244057	B1002	08-22-2010	B	xx	10	10
1244057	B1002	08-25-2010	B	xx	10	7
1244057	B1002	08-29-2010	B	xx	10	5
1244057	B1002	09-03-2010	B	xx	10	8

SEE BELOW FIRST pass at database design





DATABASE DESIGN CONCEPTS

“1st pass” Route Book History File Design not normalized design

Customer Route Book History FILE

Cust#	Item#	Date	Build-to Quality	Facings on shelf	Shelf Stk Capacity	Shelf Stk count seq#	Shelf Stk Inv count	Shelf Stk Empty flag	Back Stk count seq#	Back Stk Inv count	Back Stk Empty flag	Price to Consumer	Special Promotion	Primary Display Location	Secondary Display Location
1244057	A1001	08-22-2010	14	2	8	1	6		1	4		14.99		1	
1244057	A1001	08-25-2010	14	2	8	1	3		1	7		14.99		1	
1244057	A1001	08-29-2010	14	2	8	1	0	yes	1	0	yes	13.75	Promo id	1	
1244057	A1001	09-03-2010	14	2	8	1	8		1	3		14.99		1	
1244057	B1002	08-22-2010	10	2	8	2	2		3	5		14.99			2
1244057	B1002	08-25-2010	10	2	8	2	3		3	7		14.99			2
1244057	B1002	08-29-2010	10	2	8	2	1		3	2		14.99			2
1244057	B1002	09-03-2010	10	2	8	2	5		3	5		14.99			2
1244057	B1005	08-22-2010	8	1	12	3	8		3	2		1.79			
1244057	B1005	08-25-2010	8	1	12	3	2		3	4		1.79			
1244057	B1005	08-29-2010	8	1	12	3	6		3	3		1.79			
1244057	B1005	09-03-2010	8	1	12	3	0	yes	3	2		1.79			
1244057	C1005	08-22-2010	10	3	10	4	7		3	2		13.89		1	
1244057	C1005	08-25-2010	10	3	10	4	6		3	3		13.89		1	
1244057	C1005	08-29-2010	10	3	10	4	4		3	3		13.89		1	
1244057	C1005	09-03-2010	10	3	10	4	0	yes	3	0	yes	12.77	Promo id	1	