

Mark Scheme (Results) January 2009

GCE

GCE Applied ICT (6957/01)

Applied GCE Unit 7 - Mark Scheme

Activity	ANSWER	POSS. MARK	MAX
Activity 1	Understanding the problem - Functional specification		
	Process must be STATED to award I/O mark. Maximum 4 if no diagram.		
A1	<u>Calculate</u> number of <u>bottles/ batches</u> required for each run;	1	
	I Order details and O Batches required/ Bottles needed	1	
A2	<u>Calculate</u> the amount of each ingredient required;	1	
	I Amount per litre/ proportion of ingredient * amount/ bottles/ batches required and O Amount	1	
A3	<u>Check</u> if enough of <u>each</u> ingredient (<u>s</u>);	1	
	I Amount of ingredient in vat and O OK/Refill	1	
A4	<u>Calculate</u> amount to refill vat;	1	
	I What is needed, amount in vat and O Litres to be added	1	
A5	<u>Add/ update</u> refill to vat;	1	
	I Litres added and O New level	1	
A6	<u>Adjust</u> vat value at end of run;	1	
	I Amount of ingredient used and O New level	1	
A7	<u>Mark</u> item as processed;	1	
	I Run completed (flag) and O Item marked as completed	1	
		Max	8
	Total for Activity 1		8
Activity 2	a Structure		

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Activity	ANSWER	POSS. MARK	MAX
A1	Branch	1	
A2	Order	1	
A3	Order Item/ Order line/ Perfume Order	1	
A4	Perfume	1	
A5	Proportions/ Recipe/ PerfumeIngredient	1	
A6	Ingredient		
A7	1:M Branch-Order	1	
A8	1:M order - order item/ order line/ Perfume Order	1	
A9	1:M Perfume - order item/ order line/ Perfume Order	1	
A10	1:M Perfume-proportions/ recipe/ PerfumeIngredient	1	
A11	1:M Ingredient- proportions/ recipe/ PerfumeIngredient	1	
			11
	b Data Types		
B1	Evidence of correct data types Ingredients table <ul style="list-style-type: none"> • Vat level = Number • Stock level = Number • Re-order = Number Order table <ul style="list-style-type: none"> • Date of order = Date/ time • Order processed = Yes/ No • Delivery note = Yes/ No Order Item/ Order Line <ul style="list-style-type: none"> • Item processed = Yes/ No Recipe <ul style="list-style-type: none"> • MI per bottle = Number 	1	
B2	Evidence of correct primary keys	1	
			2

	C	Validation		
C1		Suitable range check Recipe table <ul style="list-style-type: none"> MI per bottle (e.g. <30) Ingredients table <ul style="list-style-type: none"> Vat level (e.g. <=1500) 	1 1	
C2		Presence check (<u>not key field</u>)	1	
C3		Picture/format check	1	
				4
	d			
D1		Branch (8)	1	
D2		Ingredient (12)	1	
D3		Order (14)	1	
D4		Order Item/ Order Line (132)	1	
D5		Perfume (11)	1	
D6		Proportions/ Recipe (132)	1	
				6
		Total marks for Activity 2		23

Activity 3	a	Screens		
A1		Logo	1	
A2		Form purpose made clear, must be on form	1	
A3		Perfume ID	1	
A4		Bottles needed (LE01 - 2400)/ batches needed (24)	1,1	
A5		Perfume Name Displayed	1	
A6		All ingredients displayed in sub-form	1	
A7		Ingredient requirement	1	
A8		Ingredient Code or Ingredient name	1	
A9		Vat Level	1	
A10		Displays Refill / OK in sub form (IF ALL DISPLAYED correctly)	1,1	
A11		Button to add refill	1	
A12		Process button	1	
A13		Description of how interface works	1	
				15
	b	Queries		
B1		Only show outstanding orders	1	
B2		Total ingredient amount required	1	
B3		Calculation for amount of bottles	1	
B4		If statement for refill needed	1	
B5		Update for vat level after refill	1	
B6		Update for vat level after process	1	
B7		Update to set Perfume processed	1	
				7
	c	Macros		
C1		Requery after refill vat	1	
C2		Requery after adjust vat values	1	
C3		Mechanism to ensure vats full before process can continue e.g. Dcount	2	
				4

	d	Screen shot before refills		
D1		87YT4PH Refill - 5401	1	
D2		8FG7GG Refill - 5410	1	
D3		FP1317D Refill - 2204	1	
D4		FP1BZ9 Refill - 1923	1	
D5		GGH2ES Refill - 1828	1	
D6		HG292882 Refill - 6282	1	
D7		HH174R Refill - 6119	1	
D8		YH37YVV Refill - 5403	1	
			max	6
	e	Ready to process		
E1		Screen shot all OK (must be evidence of amount needed and amount in vat)	1	
				1
	f	Amount in stock		
F1		87YT4PH <= 55	1	
F2		8FG7GG <= 59	1	
F3		FP1317D <= 72	1	
F4		FP1BZ9 <= 66	1	
F5		GGH2ES <= 73	1	
F6		HG292882 <= 81	1	
F7		HH174R <= 89	1	
F8		YH37YVV <= 53	1	
			Max	5
	h	Item processed		
H1		LE01 marked complete	2	
				2
		Total marks for Activity 3		40

Activity 4		Despatch form		
A1		Form shows <u>Order</u> (single not multiple)(multi orders/ 1 branch OK)	1	
A2		Form shows Processed products (Perfume ID)	1	
A3		Form shows that each item has been processed (ticked)	1	
A4		Update query showing orders processed	1	
A5		Button/ macro to trigger query	1	
A6		Describes how the interface works	1	
				6
		Total marks for Activity 4		6
Activity 5		Report - no screenshots		
A1		10 delivery notes/despach notes (63 - 72)	1	
A2		Delivery/ despach note shows logo	1	
A3		Delivery/ despach note shows company name	1	
A4		Delivery/ despach note shows Branch Name	1	
A5		Delivery/ despach shows Branch Address	1	
A6		Delivery/ despach note shows which perfumes are in order. (all have 11 perfumes except 63 which has 7)	1,1	
A7		Delivery/ despach note shows number of batches	1	
A8		New page for each note	1	
A9		No page numbers or page numbers reset each time	1	
A10		"Delivery/ despach note" on each sheet	1	
			11	
		Total marks for Activity 5		11
SWW1		Administration details on each page	1	
SWW2		Required printouts only assembled correctly	1	
		Total Marks for Standard ways of working		2
		Total marks for Paper		90