

Mark Scheme (Results)

January 2008

GCE

GCE Applied Information & Communication Technology (6957/01)

General Marking Guidance

- All candidates must receive the same treatment. Examiners must mark the first candidate in exactly the same way as they mark the last.
- Mark schemes should be applied positively. Candidates must be rewarded for what they have shown they can do rather than penalised for omissions.
- Examiners should mark according to the mark scheme not according to their perception of where the grade boundaries may lie.
- There is no ceiling on achievement. All marks on the mark scheme should be used appropriately.
- All the marks on the mark scheme are designed to be awarded. Examiners should always award full marks if deserved, i.e. if the answer matches the mark scheme. Examiners should also be prepared to award zero marks if the candidate's response is not worthy of credit according to the mark scheme.
- Where some judgement is required, mark schemes will provide the principles by which marks will be awarded and exemplification may be limited.
- When examiners are in doubt regarding the application of the mark scheme to a candidate's response, the team leader must be consulted.
- Crossed out work should be marked UNLESS the candidate has replaced it with an alternative response.

Applied GCE Unit 7 - Mark Scheme

Activity	ANSWER		POSS. MARK	MAX
Activity 1		Understanding the problem - Functional specification		
	a	The tasks the database has to perform:		
A1		Store data about customer reservations rides		
A2		Make a reservation		
A3		Assign Card Number		
A4		Keep points up to date		
A5		Keep number of reservations up to date		
A6		Set initial points to 2000		
		Any two of above		1
		Any four of above		1
				2
	b	The information the database must supply, in what format and to whom		
B1		Customer Details	Customer (for confirmation)/Company	
B2		Ride Details	Customer	
B3		Reservation Confirmation	Customer	
B4		Reservation details	Operator of ride/Customer	
		Any two of above		1
		Any three of above		1
				2
	c	The data to be input into the database, how and from where		
C1		Existing data/Import		
C2		New reservations/Internet		
C3		New Customer Details/Internet or Form		
		Any of the above		1
		Any two of the above		1
				2

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Activity		ANSWER	POSS. MARK	MAX
	d	The processing that is required		
D1		Generate Card Number		
D2		Check if existing member		
D3		Check customer points value or reservations available		
D4		Adjust points value		
D5		Adjust reservations available		
D6		Validation (must be clear that it is processing)		
		Any two of the above	1	
		Four or more	1	
				2
		Total marks Activity 1		8
Activity 2	a	Structure		
A1		Customer Table	1	
A2		Ride Table	1	
A3		Session(ride occurrence)	1	
A4		Reservation table	1	
A5		!:M Relationship Customer - Reservation	1	
A6		1:M Relationship Ride - Session	1	
A7		1:M Relationship Session - Reservation	1	
				7
	b	Data Types		
B1		Evidence of correct fields data types	1	
B2		Evidence of correct primary keys	1	
B3		Viable relationships	1	
				3
	C	Validation		
C1		Any range check	1	
C2		List check (Table Lookup)	1	
C3		Presence check	1	
C4		Picture/format check	1	
				4

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Activity		ANSWER	POSS. MARK	MAX
	d			
D1		Data Successfully Loaded (Customer) - 45	1	
D2		Data Successfully Loaded (Ride) - 20	1	
D3		Data Successfully Loaded (Session) - 120	1	
D4		Data Successfully Loaded (Reservation) - 213	1	
				4
		Total marks for Activity 2		18
Activity 3	a	Initial screen		
A1		Customer or System Name or Logo	1	
A2		Enter customer number	1	
A3		Find Customer Action (Combo box - Button and query design)	1	
A4		Register new customer Action (Button or similar)	1	
A5		No navigation or close buttons (other than confirm or cancel)	1	
				5
	b	Register New Customer		
B1		Evidence that this is opened from previous screen (Form)	1	
B2		Title (eg Registration Form)	1	
B3		Evidence that only new record can be added	1	
B4		All relevant fields	1	
B5		All labels visible	1	
B6		Suitable lineup of fields	1	
B7		Evidence that confirm button returns to original form	1	
B8		Evidence that Print card set to yes	1	
				8
	c	Confirm Details		
C1		Unable to edit	1	
C2		Unable to see anyone else's details	1	
C3		Confirm button	1	
C4		Cancel button	1	

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Activity	ANSWER	POSS. MARK	MAX
C5	Evidence that cancel returns to original page	1	
			5
	Reservation screen		
D1	Title	1	
D2	Ability to choose Ride (Drop Down)	1	
D3	Ability to choose Date	1	
D4	Ability to choose session (Drop Down)	1	
			4
	e Test Data		
	Eric Hendrix		
E1	Customer Record stored	1	
E2	JV945 Reservation stored	1	
E3	JV945 Number Reserved = 5	1	
E4	FP562 Reserved	1	
E5	FP562 Number Reserved = 5	1	
E6	GC223 Reserved	1	
E7	GC223 Number Reserved = 3	1	
E8	Customer Number assigned	1	
E9	Customer Number 5555 1946 1000 0046	1	
			9
	f 5555 1946 1000 0009		
F1	FX018 Stored	1	
F2	FX018 Number reserved = 2	1	
F3	GN638 Not Stored	1	
F4	GN638 Not enough points	1	
F5	NC657 Stored	1	
F6	NC657 Number reserved = 1	1	
			6
	g 5555 1946 1000 0021		
G1	JV945 not stored	1	
G2	JV945 Not stored due to being booked	1	
G3	GN638 stored	1	

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Activity	ANSWER	POSS. MARK	MAX
G4	GC638 Number reserved = 2	1	
G5	GC223 Stored	1	
G6	GC223 Number reserved = 4	1	
			6
H1	Points Eric Hendrix - 1670 5555 1946 1000 0009 - 30 5555 1946 1000 0021 - 1280		1
	Total marks for Activity 3		44
Activity 4	Print Card		
A1	Card Printed	1	
A2	6 to a page	1	
A3	9 Printed	1	
A4	Student printed	1	
A5	Student in large writing across the bottom	1	
A6/A7	On relevant cards 5555 1946 1000 0004 & 5555 1946 1000 0044	1,1	
A8	Student not printed on other cards	1	
A9	Logo Printed	1	
A10	Card Number printed	1	
A11	Spaces every 4 numbers	1	
A12	Large writing	1	
A13	Across middle of card	1	
A14	Last name on card	1	
A15	Initial or name on card	1	
A16	Bonus for initial	1	
			16
B1	Automatic update of Card Printed (update query)	1	
B2	Run from inside print or as part of same macro	1	
			2
	Total marks for Activity 4		18

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Activity	ANSWER	POSS. MARK	MAX
SWW1	Administration details on each page		
SWW2	Required printouts only assembled correctly	1	
	Total Marks for Standard ways of working		2
	Total marks for Paper		90