



Mark Scheme (Results)

Summer 2026

Pearson Edexcel International Advanced Level
In Information Technology (WIT14)
Paper 01 Relational Databases

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Summer 2026

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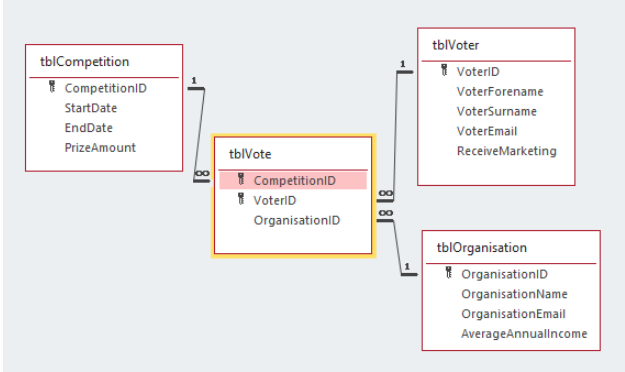
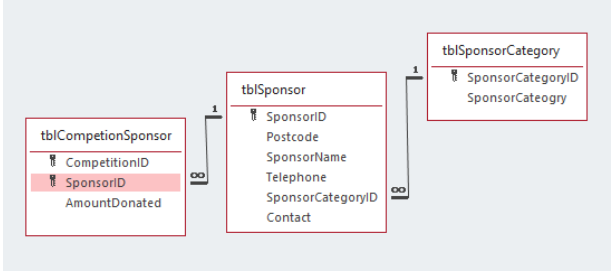
General Marking Guidance

- 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.

Unit 4 Summer 2026 – Mark Scheme

Note to examiners

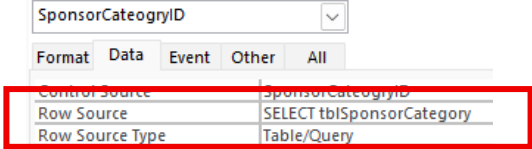
Where example screenshots are included, these are indicative content only and not a definitive answer. Students should receive credit based on the marking instructions in the answer column.

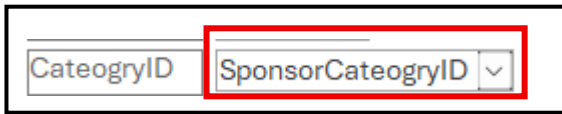
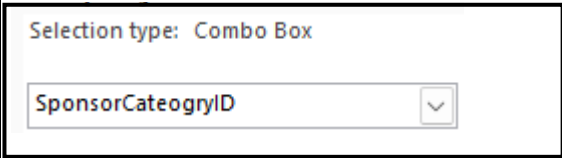
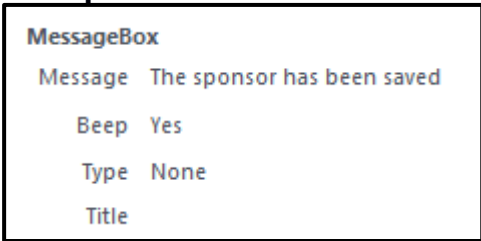
Question number	Answer	Additional Guidance	Mark
1(a)	Table Structure Existing structure in competitions database. Ignore these tables if included in the screenshot.  New database structure from extract  NOTE learners may have built extract as a new database or added it into the existing structure in the competitions database.		
A1	Use of appropriate table names, field names and naming conventions in their tables	At least two new tables built Do not give credit for structure they were given (Screenshot 1 above) Table name includes tbl and sensible name for the table. Consistent case for all tables they have built	1

	A2	Sponsor category table is present with only these fields:1 • Sponsor category ID • Category		1
	A3	Sponsor table is present with only these fields: • Sponsor ID • Postcode • Name • Telephone • Contact • May or may not have Sponsor Category ID		1
	A4	Sponsor category ID is in the sponsor table		1
	A5	Competition sponsor/Donation table is present with only these fields • Competition ID • Sponsor ID • Amount donated		1
	A6	1:M relationship from Sponsor table to Competition sponsor / donation table		1
	A7	1:M relationship from Sponsor Category table to Sponsor table		1
	A8	Appropriate primary key used for sponsor category table		1
	A9	Appropriate primary key used for sponsor table		1
	A10	Appropriate composite key used for competition sponsor / donation table		1
	A11	Text used for sponsor telephone And Currency used for amount donated		1
	Total			11

Question number	Answer	Mark
1(b)	Indicative content <i>Factors</i> • Data duplication • Primary and foreign keys • Referential integrity • Data types <i>Consideration and significance</i> Data duplication • The sponsor postcode, sponsor telephone, sponsor name, sponsor category, sponsor contact and sponsor category ID were duplicated each time a sponsor donated to a competition. Links/keys • Sponsor category ID primary key in tblSponsorCategory • SponsorID primary key in tblSponsor • CompetitionID, SponsorID a composite key in tblCompetition. This is because a competition may have more than one sponsor. Neither CompetitionID nor SponsorID would be unique on its own • Foreign key SponsorCategoryID placed in tblSponsor because a sponsor belongs to one category only Referential integrity • Enforced on both to ensure that a sponsor can only have a category that already exists in tblSponsorCategory and to ensure a sponsor must exist in tblSponsor before it can be included in tblCompetitionSponsor Data types • Currency used for AmountDonated as it is a monetary field and could possibly require calculations • Text used for the telephone number as they have a leading zero and a space • Made sure the data types for primary/foreign keys matched	9
Level	Mark	Descriptor
	0	No Awardable content
Level 1	1-3	• Applies understanding with limited coherence, showing limited understanding of the given issue. • Assessment of solution is superficial or unbalanced, and judgements lack support from evidence.
Level 2	4-6	• Applies understanding to make some coherent connections, showing some understanding of the given issue. • Assessment of solution is partially developed, but this may be unbalanced, using evidence to support some judgements.
Level 3	7-9	• Applies understanding coherently, showing a thorough understanding of the given issue. • Assessment of solution is balanced and developed, using evidence to support judgements throughout.

Question number	Answer	Additional Guidance	Mark
1(c)(i)	Format check for the telephone number		
	C1	Format check on telephone number field Forced to input 13 digits e.g. • 00000 00000000 • 0000000000000	If semi colon appears after the digits ignore the semi colon and anything after it 1
	C2	Correct format on telephone number field • Opening bracket • 5 digits • Closing bracket • 8 digits	Accept with a space between the closing bracket and 8 digits 1
	Total		2
1(c)(ii)	Range check for Amount donated field		
	C3	Correct range e.g. • ≥ 250 AND ≤ 1500 • > 249 AND < 1501 • BETWEEN 250 AND 1500	Award any equivalent expression 1
	C4	Validation rule must have suitable validation text	Must have C3 1
	Total		2

Question number	Answer	Additional Guidance	Mark
1(d)	Add sponsor form		
	D1	Opens ready for data entry e.g. - The form is blank in form view - Data entry property set to Yes - An on form load/open event macro going to a new record or equivalent	1
	D2	At least three fields on the form from: - Sponsor ID - Sponsor name - Telephone - Sponsor contact - Postcode	1
	D3	Sponsor category ID is a combo/list box	1
	D4	Three from: - Form has meaningful title - Form labels are appropriate (not database field names/spaces where appropriate) - Instructions on how to use - Asterisk(s) - Entry boxes on form are resized appropriately to reflect the expected data	Only consider fields expected to be there. Ignore any other fields 1
	D5	Button present and suitably labelled e.g. - Save - Add - Disk icon	1
	D6	Correct row source for Sponsor category ID Table lookup to sponsor category table 	Must be table lookup to sponsor category table Minimum must see Row Source Type Table/Query AND Row Source has SELECT tblSponsorCategory or their equivalent 1
	D7	Save record or equivalent is present Bound form examples - Command SaveRecord - GoToRecord New/Next/Last - Requery - Closing form AND reopening	If the form is unbound then need the append query and see it running in the macro Go to Next in the OnError section is not an example of saving 1

1(d) cont	D8	Presence check applied to Sponsor name field with a suitable error message Example • If sponsorName Is Null Then • If IsNull(sponsorName) Then • If IsNull([sponsorName]) Then	Must be macro or code do not award if presence check is on the field properties on the form	1
	D9	D2 (fields) AND D3 (combo/list box) AND D7 (save) awarded AND control source of combo box correct Examples of bound Sponsor category ID   		1
	D10	Save message displays Example 		1
	D11	Save message displays only if a valid record has saved i.e. logic correct D7 (save) AND D8 (presence check) AND D10 (save message) awarded AND: Example 1 IF surname is null THEN DISPLAY error message ELSE In Any Order Save record Display save message END IF		1

		Example 2 IF surname is null THEN DISPLAY error message STOP ALL MACROS END IF <i>In Any Order</i> Save record Display save message Example 3 IF surname not is null THEN <i>In Any Order</i> Save record Display save message ELSE DISPLAY error message END IF		
	D12	Form clears ready for new input Examples • GoToRecord New/Next/Last/First • Requery • Closing form and reopening	Go to Next in the OnError section is not an example of moving to a new record	1
Total				12
Total for question				36

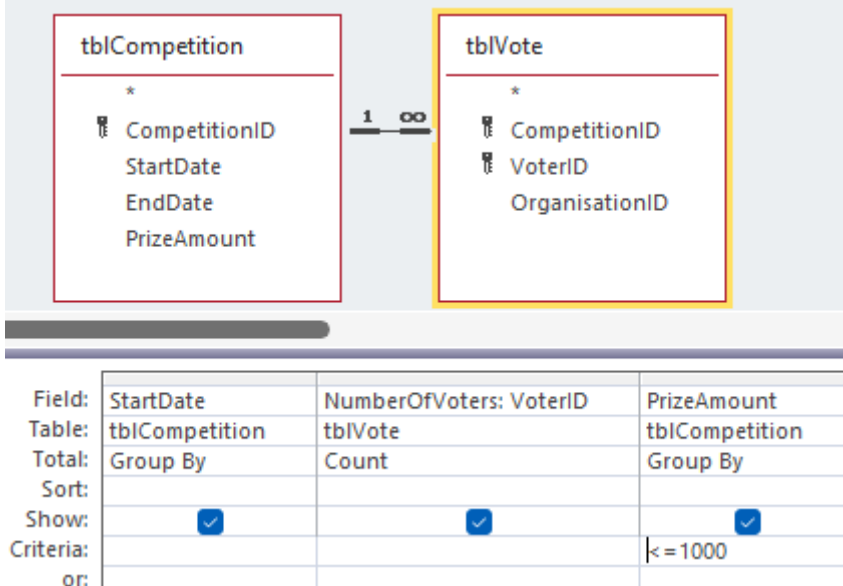
Question number	Answer	Additional Guidance	Mark
2(a)	Import		
	A1 Voter table – 58 records		1
	A2 Competition table – 10 records	Must not be awarded for tblOrganisation	1
	A3 Vote table – 318 records	Must not be awarded for the import of the Votes data file into a table. It must be for tblVote	1
	Total		3

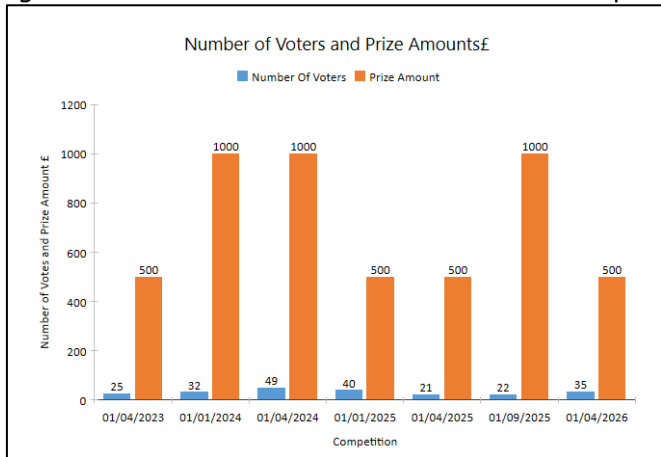
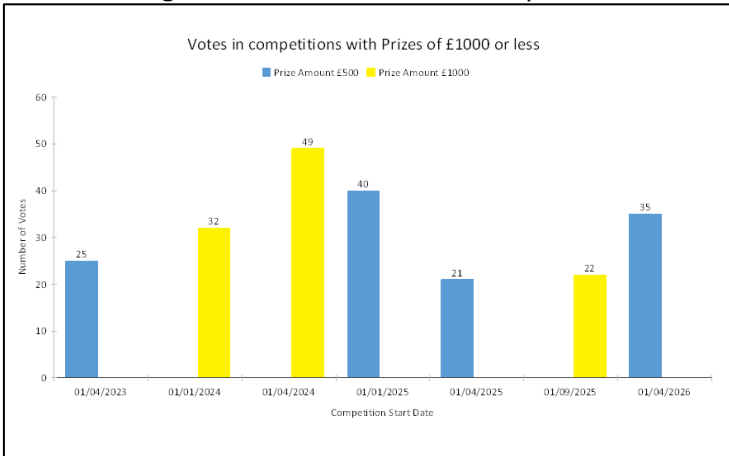
Question number	Answer	Additional Guidance	Mark																							
2(b)	2023 and 2024 query																									
	Field: CompetitionID StartDate EndDate PrizeAmount Table: tblCompetition tblCompetition tblCompetition tblCompetition Sort: Show: ☒ ☒ ☒ ☒ Criteria: Between #01/01/2023# And #31/12/2024# > 500 or: Field: CompetitionID StartDate EndDate PrizeAmount Table: tblCompetition tblCompetition tblCompetition tblCompetition Total: Group By Group By Group By Group By Sort: Show: ☒ ☒ ☒ ☒ Criteria: Like **2023* Like **2024* > 500 > 500 or: <table border="1"> <thead> <tr> <th>CompetitionID</th> <th>StartDate</th> <th>EndDate</th> <th>PrizeAmount</th> </tr> </thead> <tbody> <tr> <td>C5</td> <td>01/09/2024</td> <td>31/12/2024</td> <td>£1,500.00</td> </tr> <tr> <td>C2</td> <td>01/09/2023</td> <td>31/12/2023</td> <td>£1,500.00</td> </tr> <tr> <td>C4</td> <td>01/04/2024</td> <td>30/06/2024</td> <td>£1,000.00</td> </tr> <tr> <td>C3</td> <td>01/01/2024</td> <td>31/03/2024</td> <td>£1,000.00</td> </tr> <tr> <td>*</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>			CompetitionID	StartDate	EndDate	PrizeAmount	C5	01/09/2024	31/12/2024	£1,500.00	C2	01/09/2023	31/12/2023	£1,500.00	C4	01/04/2024	30/06/2024	£1,000.00	C3	01/01/2024	31/03/2024	£1,000.00	*		
CompetitionID	StartDate	EndDate	PrizeAmount																							
C5	01/09/2024	31/12/2024	£1,500.00																							
C2	01/09/2023	31/12/2023	£1,500.00																							
C4	01/04/2024	30/06/2024	£1,000.00																							
C3	01/01/2024	31/03/2024	£1,000.00																							
*																										
Design view																										
B1	Start date finds only the dates in 2023 or 2024 e.g. - Between #01/01/2023# AND #31/12/2024# >=#01/01/2023# AND <=#31/12/2024# >#31/12/2022# AND <#01/01/2025# - Like *2023 OR Like *2024 - Like *2023* OR Like *2024*		1																							

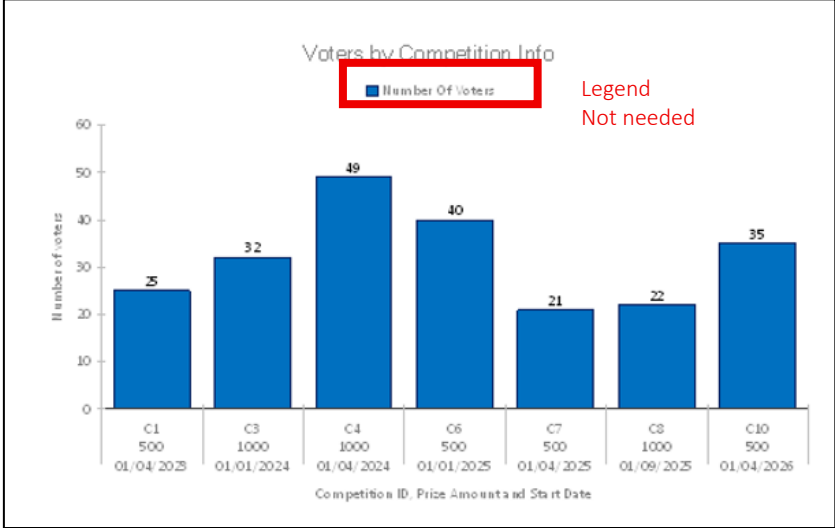
	B2	Prize amount greater than 500 e.g. • >500 • >=501		1
	B3	Prize amount sorted		1
	B4	Prize amount sorted into descending order		1
	Datasheet view			
	B5	Field headings AND data is not truncated		1
	B6	Correct criteria AND Correct records shown	Does not need to be in sort order	1
Total				6

Question number	Answer	Additional Guidance	Mark
2(c)	Voter organisation report qry2(b)() tblCompetition CompetitionID StartDate EndDate PrizeAmount tblVote CompetitionID VoterID OrganisationID tblVoter VoterID VoterForename VoterSurname VoterEmail PersonalMarketing tblOrganisation OrganisationID OrganisationName OrganisationEmail AverageAnnualIncor Field: OrganisationID Table: tblOrganisation Total: Group By Sort: Show: ☒ Criteria: "The Hornchurch Foundation" Or "Oyster Trust" or: Field: VoterID Table: tblVote Total: Group By Sort: Show: ☒ Criteria: "Oyster Trust" or: "The Hornchurch Foundation" Field: OrganisationID Table: tblOrganisation Total: Group By Sort: Show: ☒ Criteria: "Oyster Trust" or: "The Hornchurch Foundation" Field: VoterSurname Table: tblVoter Total: Group By Sort: Show: ☒ Criteria: "Oyster Trust" or: "The Hornchurch Foundation" Field: EndDate Table: tblCompetition Total: Group By Sort: Show: ☐ Criteria: #31/03/2026# or: Report Header Votes for each organisation in the January to March competition Page Header OrganisationID Header Organisation ID Organis Organisation Name OrganisationName Voter ID Voter Surname Detail OrganisationID Footer Total number of votes =Count(*) Page Footer Votes for each organisation in the January to March competition Organisation ID 1 Organisation Name The Hornchurch Foundation Voter ID Voter Surname 17 Peterson 19 Lynch 28 Miller Total number of votes 3 Organisation ID 9 Organisation Name Oyster Trust Voter ID Voter Surname 34 Peterson 48 Smith Total number of votes 2		
C1	Criteria correct for the organisations required: - Organisation name: The Hornchurch Foundation OR Oyster Trust - Organisation ID:1 OR 9		1
C2	Criterion correct for end date: #31/03/2026#		1
C3	Date criterion applies to both organisations		1

	C4	Title is in the page or report header – mark from design view only (do not accept title in detail section)		1
	C5	Title is suitable (e.g. votes, organisation, competition)		1
	C6	Grouped by OrganisationID– mark from design view only		1
	C7	OrganisationID, OrganisationName appear only once per organisation		1
	C8	Field labels associated with voter appear only once per organisation		1
	C9	Field values associated with voter appear per voter		1
	C10	Total number of votes uses correct formula e.g. • =Count(*) • =Count("*") • =Count('*') • =Count(any field name) • =Count([any field name]) • =Count("any field name") • =Count('[any field name]')	Must have = AND () as outer brackets May have [] surrounding field name	1
	C11	Total number of votes field for each organisation is in organisationID header OR footer	Must be a calculation	1
	C12	Borders used effectively at least once		1
	C13	Shading used effectively at least once	Not default shading	1
	C14	Formatting of report is fit for purpose: • Effective font style • Effective font size • Spaces in labels • Alignment • Use of white space • Use of borders and shading • No unnecessary repeating of data	Two pages horizontally is not fit for purpose	1
	Total			14
	Total for question			23

Question number	Answer	Additional Guidance	Mark																												
3(a)	Query voters  <table border="1"> <tr> <td>Field:</td><td>StartDate</td><td>NumberOfVoters: VoterID</td><td>PrizeAmount</td></tr> <tr> <td>Table:</td><td>tblCompetition</td><td>tblVote</td><td>tblCompetition</td></tr> <tr> <td>Total:</td><td>Group By</td><td>Count</td><td>Group By</td></tr> <tr> <td>Sort:</td><td></td><td></td><td></td></tr> <tr> <td>Show:</td><td>☒</td><td>☒</td><td>☒</td></tr> <tr> <td>Criteria:</td><td></td><td></td><td><= 1000</td></tr> <tr> <td>or:</td><td></td><td></td><td></td></tr> </table>	Field:	StartDate	NumberOfVoters: VoterID	PrizeAmount	Table:	tblCompetition	tblVote	tblCompetition	Total:	Group By	Count	Group By	Sort:				Show:	☒	☒	☒	Criteria:			<= 1000	or:					
Field:	StartDate	NumberOfVoters: VoterID	PrizeAmount																												
Table:	tblCompetition	tblVote	tblCompetition																												
Total:	Group By	Count	Group By																												
Sort:																															
Show:	☒	☒	☒																												
Criteria:			<= 1000																												
or:																															
A1	Number of voters calculated correctly Count(Field name)		1																												
A2	Criterion correct for prize amount <=1000 <1001		1																												
A3	The generated field has a suitable field name e.g. NumberOfVoters	Must be a calculated field	1																												
Total			3																												

Question number	Answer	Additional Guidance	Mark																								
3(b)	Chart Chart data <table><tr><th>StartDate</th><th>NumberOfVoters</th><th>PrizeAmount</th></tr><tr><td>01/04/2023</td><td>25</td><td>£500.00</td></tr><tr><td>01/01/2024</td><td>32</td><td>£1,000.00</td></tr><tr><td>01/04/2024</td><td>49</td><td>£1,000.00</td></tr><tr><td>01/01/2025</td><td>40</td><td>£500.00</td></tr><tr><td>01/04/2025</td><td>21</td><td>£500.00</td></tr><tr><td>01/09/2025</td><td>22</td><td>£1,000.00</td></tr><tr><td>01/04/2026</td><td>35</td><td>£500.00</td></tr></table> Example 1 Needs a legend to show the number of voters and the prize amount  Example 2 Needs a legend to show the different prize amounts  Example 3 should not have legend. Only 1 value plotted	StartDate	NumberOfVoters	PrizeAmount	01/04/2023	25	£500.00	01/01/2024	32	£1,000.00	01/04/2024	49	£1,000.00	01/01/2025	40	£500.00	01/04/2025	21	£500.00	01/09/2025	22	£1,000.00	01/04/2026	35	£500.00		
StartDate	NumberOfVoters	PrizeAmount																									
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01/09/2025	22	£1,000.00																									
01/04/2026	35	£500.00																									

			
B1	Column chart created		1
B2	Meaningful chart title used		1
B3	Axis shows start date	Month and year is acceptable	1
B4	Axis contains suitable scale and/or data values		1
B5	Chart is fit for purpose Achieves B1 to B4 and - Includes number of voters and prize amounts - Legend only if required - Suitable axis labels - Appropriate sizing of elements on page (e.g. title larger than axis labels, data labels)		1
Total			5
Total for question 3			8

Question number	Answer	Additional Guidance	Mark
4	Dashboard Menu Choose an option Print chart ☐ View Hornchurch and Oyster Trust ☐ Change start date		
A1	Chart from 3(b) prints when the Print chart button is clicked - View Print - View Print Preview AND RunMenuCommand PrintObject	Award if code correct and you cannot see what object has been clicked	1
A2	Report from 2(c) opens in print preview when View Hornchurch and Oyster Trust option selected	Do not award if a command button is used	1

		• View Print Preview		
	A3	Query created in 2(b) opens in design view when Change start date button is selected • View Design	Do not award if a command button is used	1
	A4	Menu works correctly and is as given	Ignore minor spelling errors/changes Ignore case	1
Total				4
Total for question 4				4

Question number	Answer	Mark
5	Indicative content <i>Analysis</i> - There is no information about classes in the current database structure - An organisation belongs to one class and a class may have many organisations. 1:M relationship between class and organisation - Each competition is to have multiple winners. There is already a tblCompetition and tblVotes has information about the votes for each organisation in the competition but the lack of classes means there cannot be multiple winners. - There is no information about prize events in the current structure. Each competition has a prize event and a prize event is for a single competition so a 1:1 relationship, but each prize event can have many organisations attending so a 1:M for that <i>Recommendations</i> - Class - Create a new table called tblClass - Add two fields: ClassID, Class - Set ClassID as the primary key in the table - Add ClassID to tblOrganisation as a foreign key to take care of the 1:M -each organisation belongs to a class and each class can have multiple organisations - Winners - tblCompetition holds details about the competition and tblVote the votes for the competition. - tblOrganisation would have the ClassID for an organisation. So have access to the classes via that as they are related - tblVotes could be extended to include a Yes/No Winner field. - OrganisationID could become part of the composite key so that a Voter can vote on more than one class - Events - tblCompetition holds details about the competition and tblVote the votes for the competition and tblOrganisation the organisations. - tblCompetition could include fields such as EventDate, EventVenue etc or a new table tblEvent could be used where the CompetitionID and event details could be stored. This would be 1:1 - A new table called tblEventAttendance could include the CompetitionID and OrganisationID as foreign keys (or EventID if new table set up), and a Yes/No field to indicate the organisation is attending.	9
Level	Mark	Descriptor
	0	No Awardable content
Level 1	1-3	- Analysis is flawed or superficial, containing simple statements that show limited understanding of the subject matter. - Solution may contain some aspects that are appropriate, but is generally ineffective.
Level 2	4-6	- Analysis is sound, containing minor inaccuracies or omissions, showing some understanding of the given issue. - Solution is workable but may have minor issues.
Level 3	7-9	Analysis is sound and developed, containing ideas that are linked together in a fluent and logical way, showing a thorough understanding of the given issue.

		• Solution is appropriate and workable.	
Total for question 5			9