

Unit 2 – Creating Systems to Manage Information January 2020

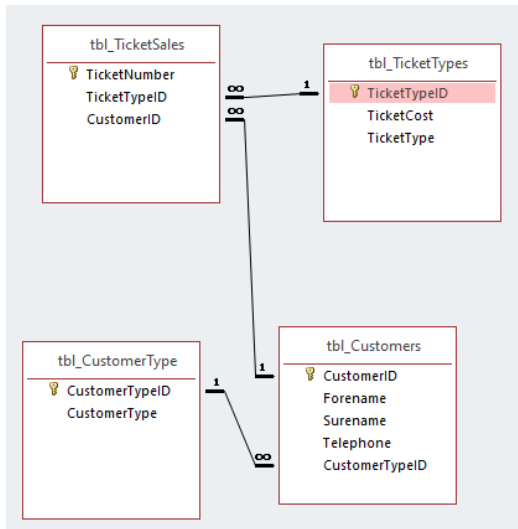
Script A

Activity	Band	Mark	Max Mark
Part A			
1 – Database Relationship Screenprint	4	8	8
2 – Table Structures	4	7	8
3 – Queries and Report	3	11	12
4 – Structure Testing	3	5	6
5 – Structure Evaluation	3	6	6
Part A Total		37	46
Part B			
6 – Interface	4	11	14
7 – Interface Testing	2	4	6
8 – Interface Evaluation	3	5	6
Part B Total		20	26
Overall Total		57	66

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Activity 2 – Table Structures and Validation, Band 4, Marks 7.....	4
Activity 3 – Queries and Report, Band 3 , Marks 11	7
Activity 4 – Testing, Band 3, Marks 5	12
Activity 5 - Evaluation, Band 3, Marks 6	17
Activity 6 – Interface and Functionality, Band 4, 11 Marks	19
Activity 7 – Interface Testing, Band 2, 4 Marks	26
Activity 8 – Interface Evaluation, Band 3, 5 Marks	33

Activity 1 – Database Relationship Screenprint, Band 4, Marks 8



Assessment focus	Band 0	Band 1	Band 2	Band 3	Band 4	Max. mark
Activity 1: ERD screenprint	0	1-2	3-4	5-6	7-8	8
No rewardable material		ERD shows an attempt at normalisation with significant data redundancy. ERD has some correct relationships shown.	ERD shows that most data is correctly normalised with some data redundancy. ERD has some correct relationships and some correct relationship types.	ERD shows that most data is correctly normalised with minimal data redundancy. ERD has mostly correct relationships and mostly correct relationship types shown.	The ERD shows that the data is correctly normalised with no data redundancy. ERD has correct relationships and relationship types shown throughout.	

Trait	Band	Comments
1	4	<ul style="list-style-type: none"> All the fields are in the correct tables. All the tables have the correct primary keys Surname has been given as Surname – meaning is clear
2	4	<ul style="list-style-type: none"> Learner has the four correct tables, 3 correct relationship lines and 3 correct relationship types.
Band	4	The learner has fully normalised the data set and has provided an accurate solution
Mark	8	

Activity 2 – Table Structures and Validation, Band 4, Marks 7

Table Structures

Add screenprints of each of your tables in design view showing the table names, field names and data types **ONLY**

Field Name	Data
CustomerID	Number
Forename	Short Text
Surname	Short Text
Telephone	Short Text
CustomerTypeID	Number

Field Name	Data Type
CustomerTypeID	Number
CustomerType	Short Text

Field Name	Data
TicketNumber	Number
TicketTypeID	Number
CustomerID	Number

Field Name	Data
TicketTypeID	Number
TicketCost	Currency
TicketType	Short Text

Tables
tbl_Customers
tbl_CustomerType
tbl_TicketSales
tbl_TicketTypes

Trait 1

- Standard naming convention has been used for the tables
- Key fields are consistent – ID all uppercase
- Other fields are consistent

Trait 2

- Learner has identified all primary and foreign keys from their database relationship screenprint in Activity 1

Trait 3

- Telephone is text
- TicketCost is currency
- Primary and foreign counterpart data types match
- All data types suitable

Trait 4 Validation

Presence Check

- Add a screenshot of **one** presence check

Field Name	Data Type
Surname	Short Text
Telephone	Short Text

Property	Value
Field Size	255
Format	
Input Mask	
Caption	
Default Value	
Validation Rule	Is Not Null
Validation Text	The Customer's Surname Is Required

- Validation rule and validation text are suitable
- Surname is a suitable field to include a presence check – it is part of the requirements given in the activity

Length Check

- Add a screenshot of **one** length check

Field Name	Data Type
Telephone	Short Text

Property	Value
Field Size	12
Format	

- Field size is suitable. This is one of the text fields mentioned in the requirements for this activity
- 12 is a reasonable length. The telephone numbers in the extract have 11 characters. However 12 is fine

Format Check

- Add a screenshot of **one** format check you have applied

Field Name	Data Type
Telephone	Short Text
CustomerTypeID	Number

Property	Value
Field Size	12
Format	
Input Mask	00000-000000;_;
Caption	

- Input mask would ensure exactly 11 digits is the only format that would be accepted. Candidate has amended the format to include a space – this is fine, the test was to ensure the candidates would ensure exactly 11 digits **have** to be input in order to meet the required format

Value Lookup or Range Check

- Add a screenshot of **one** value or **one** range check you have applied

Field Name	Data Type
TicketTypeID	Number
TicketCost	Currency
TicketType	Short Text

Property	Value
Display Control	Combo Box
Row Source Type	Value List
Row Source	"Friday";"Saturday";"Camping"
Bound Column	1

- Value lookup is appropriate – one of the requirements implied in the scenario. (see Lead Examiner comments for more information of this)

Table Lookup

- Add a screenshot of **one** table lookup you have applied (foreign key only)

Field Name	Data Type
TicketNumber	Number
TicketTypeID	Number
CustomerID	Number

Property	Value
Display Control	Combo Box
Row Source Type	Table/Query
Row Source	SELECT [tbl_TicketTypes].[TicketTypeID], [tbl_TicketSales].[TicketTypeID]
Bound Column	1

- Has been applied to a foreign key
- Does lookup to the correct table
- Weakness in that it does not have 'Limit to List' set to 'Yes'

Activity 2: Table structure and validation	0	1-2	3-4	5-6	7-8
	No rewardable material	<p>Uses some meaningful field and table names with some inconsistencies.</p> <p>The table structure identifies some primary and foreign key fields.</p> <p>The table structure has limited use of correct data types.</p> <p>Limited use of validation which may be inaccurate.</p>	<p>Uses meaningful field and table names with minor inconsistencies.</p> <p>The table structure identifies most primary and foreign key fields.</p> <p>The table structure has correct data types for most fields.</p> <p>Accurate validation rules for some of the fields that require validation.</p>	<p>Uses a recognised naming convention with minor inconsistencies for fields and tables.</p> <p>The table structure identifies all primary and most foreign key fields.</p> <p>The table structure has correct data types for most fields including matching primary and foreign key fields.</p> <p>Accurate validation rules for most of the fields that require validation.</p>	<p>Uses a recognised naming convention consistently for fields and tables.</p> <p>The table structure identifies all primary and foreign key fields.</p> <p>The table structure has correct data types for all fields.</p> <p>Accurate validation rules for all fields that require validation.</p>

Trait	Band	Comments
1	4	<ul style="list-style-type: none"> The learner has ensured that all four tables have been named using 'tbl' and that all four follow the same format: use of lower/uppercase and underscores The keys use the same format ID – consistently capital ID. TicketNumber – classed as following the same pattern uppercase 'N' All of the rest of the fields are consistent in the use of lower/uppercase
2	4	<ul style="list-style-type: none"> All primary and foreign keys have been identified (matches their Activity 1)
3	4	<ul style="list-style-type: none"> All data types are correct.
4	4	<ul style="list-style-type: none"> The learner has clearly considered the implied requirements in the scenario and the requirements of the activity. All the validation is accurate and all the validation is appropriate. There is only one weakness in that 'Limit to List' has not been set to 'Yes' for the table lookup.
Band	4	Overall there is enough evidence to award bottom of band 4. The weakness in the table lookup prevents the learner achieving full marks.
Mark	7	

Activity 3 – Queries and Report, Band 3 , Marks 11

- (a) Create a query to display an alphabetically sorted list of regular and new customers. It must show the customer name and telephone number only.

The screenshot shows the Microsoft Access interface for a query named 'qry_RegularAndNewCustomers'. It displays a relationship diagram between two tables: 'tbl_Customers' and 'tbl_CustomerType'. 'tbl_Customers' has fields: CustomerID, Forename, Surname, Telephone, and CustomerTypeID. 'tbl_CustomerType' has fields: CustomerTypeID and CustomerType. A one-to-many relationship is shown between CustomerTypeID in 'tbl_CustomerType' and CustomerTypeID in 'tbl_Customers'. Below the diagram is a field list table:

Field:	Forename	Surname	Telephone	CustomerType
Table:	tbl_Customers	tbl_Customers	tbl_Customers	tbl_CustomerType
Sort:	Ascending			
Show:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Criteria:				'Regular' Or 'New'

The screenshot shows the results of the query 'qry_RegularAndNewCustomers' displayed in a table view. The table has three columns: Forename, Surname, and Telephone. The data is sorted alphabetically by Forename.

Forename	Surname	Telephone
Amanda	Ferguson	01776 717391
Eric	Ferguson	03594 633138
Ralph	Martinez	06408 785372

Trait 1

- The query includes the four required fields

Trait 2

- Forename has an ascending sort (1 point). Surname, Forename or both were suitable for the sort.
- Both 'Regular' and 'New' are present as search criteria (1 point). 1,2 would have been alternative criteria for the field CustomerTypeID
- 'OR' has been used in the CustomerType criteria. (1 point)

Trait 3

- The ordering of the fields is sensible i.e. telephone as the final column (1 point)
- There is no truncation in either the field names or the data (1 point)
- Only the fields that should be displayed have been displayed (1 point)

No weaknesses

(b) Create a query that would allow a user to enter a parameter value for the ticket type when run.

Calculate and display:

- number of tickets unsold
- potential income from unsold tickets.

Field:	Total Unsold Tickets: TicketTypeID	Potential Income from Unsold Tickets: TicketCost	TicketType	CustomerID
Table:	tbl_TicketSales	tbl_TicketTypes	tbl_TicketTypes	tbl_TicketSales
Total:	Count	Sum	Group By	Group By
Sort:				
Show:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Criteria:				Is Null
or:				

Total Unsold Tickets	Potential Income from Unsold Tickets
1	£39.00

Trait 1

- CustomerID is present – this is a suitable field from which to find unsold tickets – note criteria is not considered at this point
- TicketType is present – this is a suitable field for the parameter for the ticket type
- TicketTypeID is a suitable field from which to calculate the number of unsold tickets
- TicketCost is a suitable field from which to calculate the potential income
- The four relevant fields are present

Trait 2

- Whilst a parameter [] has been included for TicketType it does not include a suitable instruction to guide the user with their input (0 point)
- Unsold tickets have been found (CustomerID Is Null) (1 point)
- Only the number of unsold tickets has been calculated (2 points)
- The potential income has been generated (Sum of Ticket Cost) (1 point)

Trait 3

- Presentation aids readability and understanding (1 point)
- The ordering of the columns is good (1 point)
- There is no truncation in either the field names or the data (1 point)
- Candidate has used generated field names (1 point)

(c) Report – Create a report that shows the effect of having a 3% discount on the ticket price for tickets that have been sold.

Calculate:

- the original income from ticket sales
- the potential discount
- the discounted ticket sales

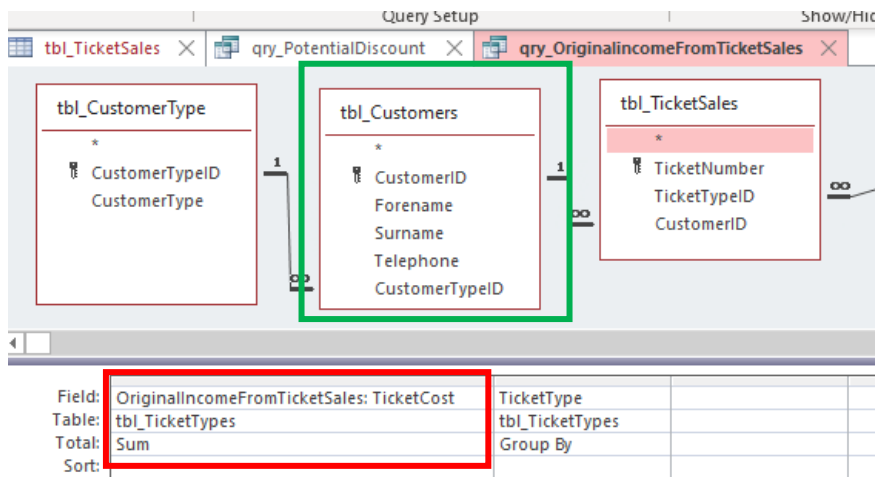
Display:

- a suitable report title
- the ticket types
- the original ticket sales
- the potential discount
- the discounted ticket sales.

Trait 2

- Discounted ticket sales has been calculated

Report Showing: The Effect on Prices with a 3% Discount			
Original Income from Ticket Sales	Potential Discount (3%)	Ticket Type	Discounted Ticket Sales
Original Income from Ticket Sales	Potential Discount	TicketType	= [Original Income from Ticket Sales] - [Potential Discount]



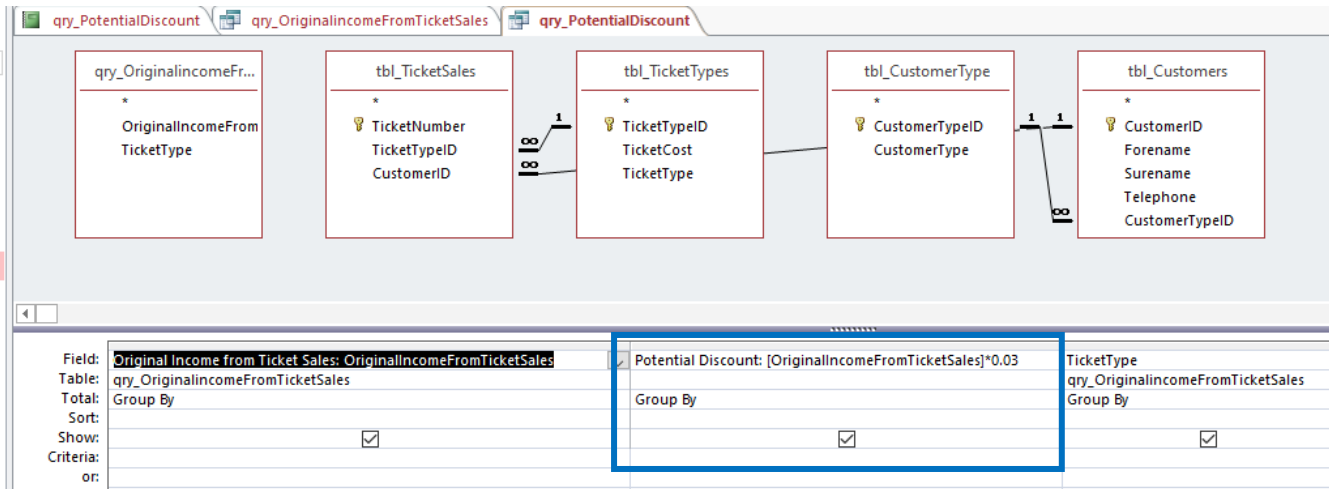
OriginalIncomeFromTicketSales	TicketType
£176.00	Camping
£117.00	Friday
£98.00	Saturday

Trait 1

- TicketType field is present - this can be seen in numerous places
- There is no field present to find sold tickets e.g. CustomerID (though see comments in green)
- There is a field/label for original ticket sales
- There is a field/label present that is suitable for potential discount
- There is a field/label present that is suitable for discount sales

Trait 2

- The Original Sales have been calculated (1 point)
- The inclusion of tblCustomers negates the need for the search for sold tickets. The relationship between that and tblTicketSales would ensure only CustomerIDs that appear in both tables will be used i.e. records where CustomerID is null in tblTicketSales will not be included (1 point)



Trait 2

- PotentialDiscount has been calculated (1 point)

Original Income from Ticket Sales	TicketType	Potential Discount
£98.00	Saturday	£2.94
£117.00	Friday	£3.51
£176.00	Camping	£5.28

Trait 3

- The title of the report is appropriate (1 point)
- The labels are appropriate and do include spaces, so they are readable (1 point)
- There is no truncation of data (1 point)
- The layout is not appropriate - there does not seem to be a good reason to have borders around only two of the fields and some of the field widths are excessive e.g. Discounted Ticket Sales (0 point)

Report shown as screenprint for illustration purposes only – the learner did include this as a pdf file.

Report Showing: The Effect on Prices with a 3% Discount				
Original Income from Ticket Sales	Potential Discount (3%)	Ticket Type	Discounted Ticket Sales	
£98.00	£2.94	Saturday		£95.06
£117.00	£3.51	Friday		£113.49
£176.00	£5.28	Camping		£170.72

Assessment focus	Band 0	Band 1	Band 2	Band 3	Band 4	Max. mark
Activity 3: Queries and Report	0	1-3	4-6	7-9	10-12	12
	No rewardable material	<p>Queries and report include limited relevant fields.</p> <p>Queries and report include details of some criteria and calculations required, which may include inaccuracies.</p> <p>Presentation of data in queries and report will not aid readability and understanding of data.</p>	<p>Queries and report includes some relevant fields.</p> <p>Queries and report include accurate details of some criteria and calculations required.</p> <p>Presentation of data in queries and report will, in places, aid readability of and understanding of data.</p>	<p>Queries and report includes mostly relevant fields.</p> <p>Queries and report includes accurate details of most criteria and calculations required.</p> <p>Presentation of data in queries and report will mostly aid readability and understanding of data.</p>	<p>Queries and report includes all relevant fields only.</p> <p>Queries and report include accurate details of all criteria and calculations required.</p> <p>Presentation of data in queries and report will aid readability and understanding of data.</p>	

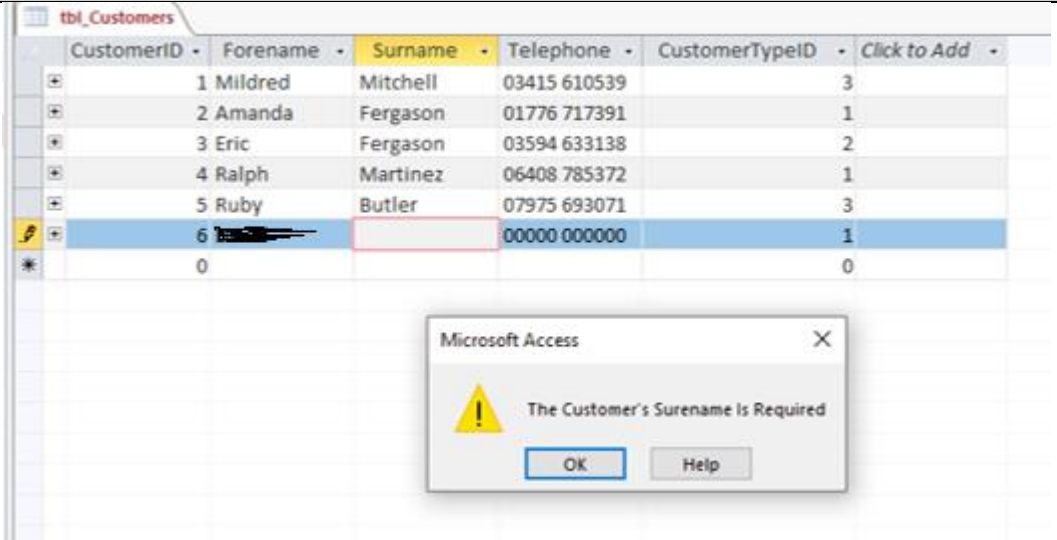
Trait	Band	Comments
1	4 top	<p>The learner included all the fields that were relevant across the queries and the report. This takes into account that whilst there was no field to be used with criteria to find only the sold tickets for the report the candidate did not actually need to include that field with the method they used.</p> <p>There were unnecessary tables included – however these were in the queries used in the report so extra tables etc. were ignored. The queries specified did not include any unnecessary fields or tables.</p>
2	4 middle	<p>The learner included the sort and relevant criteria for query A (3 points). There was a weakness with the parameter in query B but the rest of the criteria was fine (4 points). All the criteria and calculations were correct in terms of the report – again, this considered that there was no explicit filter for sold tickets only but that the method used by the learner did not need this. (4 points)</p> <p>Overall 11 points enough evidence to suggest middle of mark band 4. Very slight weakness.</p>
3	4 middle	<p>Query A fully met requirements in terms of requirements for display. The columns were arranged logically and there was no truncation.</p> <p>Query B fully met requirements in terms of requirements for display. The columns were arranged logically and there was no truncation.</p> <p>Generated field names and the display of monetary amounts were clearly considered by the learner and both aided readability and understanding of data.</p> <p>The only weakness was in the layout of the report in terms of the widths of fields.</p>
Band	4	Overall this was an excellent attempt at this activity.
Mark	11	

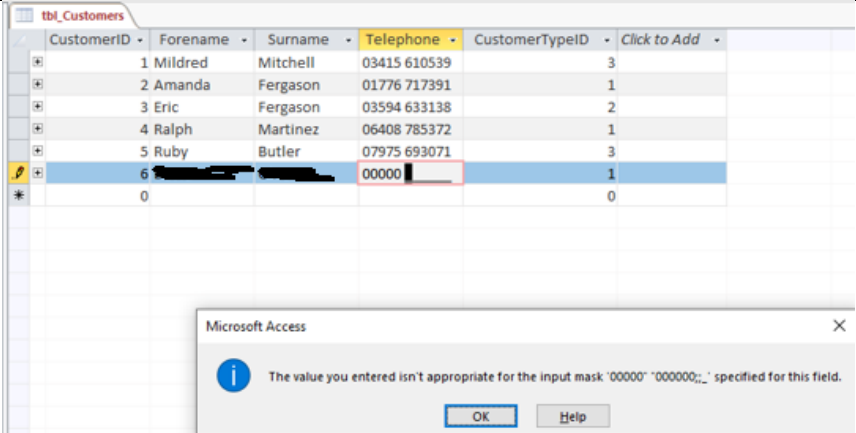
Activity 4 – Testing, Band 3, Marks 5

The test specified in the task were

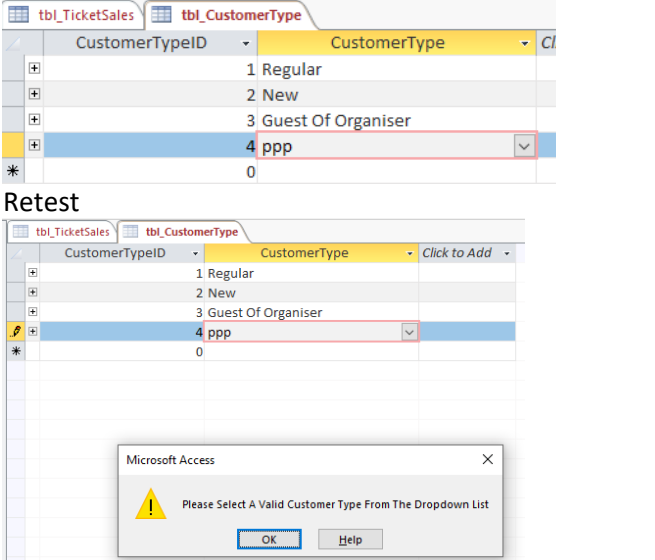
1. a record will not save without the customer’s surname being present
2. a record will not save if the customer telephone number is not in the correct format
3. a record will not save is the customer is assigned an invalid customer type
4. a record will not save it the cost of a ticket is not valid for the type of ticket
5. a record will not save if a ticket sale does not have a valid customer
6. a record will not save if a ticket sale does not have a valid ticket type

The final two columns have been merged in order to see the results clearly – the actual template is A3 size.

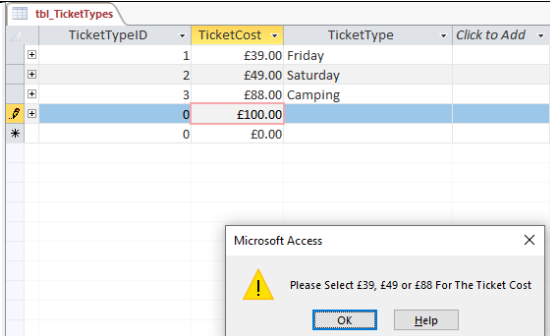
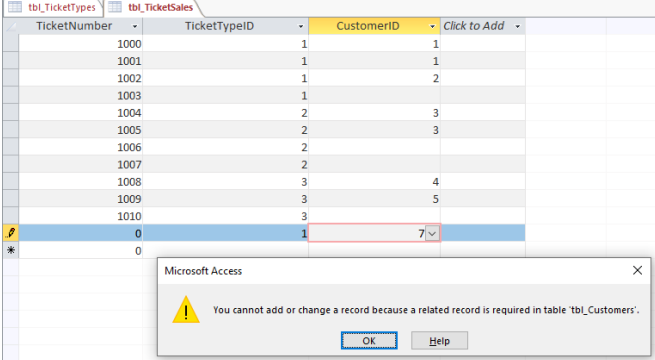
Test No	Type	Test data	Expected results	Add screenprint(s) of the results of this test (and any retests) Ensure you show the test data used in the screenprint(s)
1	R	Customer ID: 6 Forename: ##### Surname: Null Telephone: 00000 000000 Customer Type ID: 1 <i>Note the learner did provide suitable test data for forename, it has been removed to anonymise the work.</i>	A Message Box should pop-up Stating that you aren’t allowed to not enter a Surname	
Type	The type of test is correct			
Data	Suitable test data has been given for the entire record. The only test that it will fail is the Surname being left blank. The rest of the test data clearly shows valid data			
Expected	Expected results are specific i.e. a tester would know that the error message should be specific to the surname			
Actual	Actual results are good. They clearly show all of the test data and that data matches the given test data. The error message is clear to see			

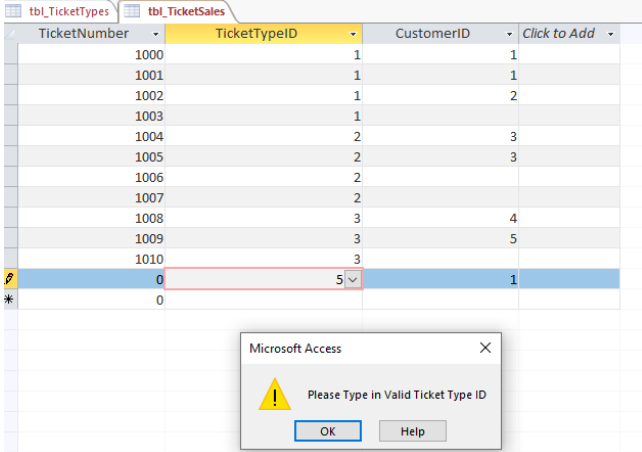
2	X	<p>Customer ID: 6 Forename: ##### Surname: ##### Telephone: 00000 Customer Type ID: 1</p> <p>Note the learner did provide suitable test data for forename and surname, it has been removed to anonymise the work.</p>	<p>A Message Box should pop-up Stating that this format cannot be used on this telephone number</p>	
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Type	The type of test is not correct this should be erroneous (R).
Data	Suitable test data has been given for the entire record. The only test that it will fail is the telephone format. The rest of the test data clearly shows valid data
Expected	Expected results are specific i.e. a tester would know that the error message will be about the format of the telephone number. It would have been good to see the learner recognise that the error message is not very user friendly though the default error message is acceptable for a format check that users an input mask
Actual	Actual results are good. They clearly show all of the test data and that data matches the given test data. The error message is clear to see.

3	R	<p>Customer Type ID: 4 Customer Type: ppp</p>	<p>A Message Box should pop up asking you to select a valid customer type.</p>		<p>I forgot to add this in so no box appeared. I have now ammended this issue and as you can see below it works correctly.</p>
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Type	The type of test is correct
Data	Suitable test data has been given for the entire record. However, the test should have been on the CustomerTypeID field in the customer table i.e. ensuring they could no be assigned an invalid customer type (a foreign key test). This does not test trying to assing a type to a customer, that would need to take place in the customer table
Expected	Expected results are specific i.e. a tester would know that the error message will be about the customer type and that they will be expected to select a valid type

Actual	Actual results are good. They clearly show all of the test data and that data matches the given test data. The error message is clear to see.		
4	R	TicketTypeID: 0 TicketCost: £100 TicketType: Null	<p>A Message Box should pop up asking you to select a valid Ticket Cost.</p> 
Type	The type of test is correct		
Data	Suitable test data has been given for the entire record though it would have been better to test trying to change the cost of an existing ticket. It can be seen from the test data that the learner has recognised it would not be sensible to use 'Friday', 'Saturday' or 'Camping' as the TicketType and has chosen Null.		
Expected	Expected results are specific i.e. a tester would know that the error message expected will let the user know how to rectify the problem.		
Actual	Actual results are good. They clearly show all of the test data and that data matches the given test data. The error message is clear to see.		
5	R	TicketNumber: 0 TicketTypeID: 1 CustomerID: 1	<p>A Message Box should pop up not allowing you to enter an invalid CustomerID</p> 
Type	The type of test is correct. (See Lead Examiner report)		
Data	The test data could be better. 0 for a ticket number does not make sense and CustomerID 1 does exist so it is not suitable when testing to make sure a record won't save with an invalid customer.		
Expected	Expected results are relevant but could be more appropriate e.g. an error message will be displayed saying there must be a related record in the customer table. It would have been good to see the learner recognise that this default message is not very useful though there is no requirement to try and customise it.		
Actual	Actual results could be better. They clearly show all the test data but the CustomerID does not match the test data that data matches the given test data.		

6	X	TicketNumber: 0 TicketTypeID: 5 CustomerID: 7	A Message Box should pop up not allowing you to enter an invalid Ticket Type ID	 <p>The screenshot shows a Microsoft Access application with two tables: 'tbl_TicketTypes' and 'tbl_TicketSales'. The 'tbl_TicketSales' table is displayed with columns: TicketNumber, TicketTypeID, CustomerID, and Click to Add. The data rows are as follows:</p> <table border="1"> <thead> <tr> <th>TicketNumber</th> <th>TicketTypeID</th> <th>CustomerID</th> <th>Click to Add</th> </tr> </thead> <tbody> <tr><td>1000</td><td>1</td><td>1</td><td></td></tr> <tr><td>1001</td><td>1</td><td>1</td><td></td></tr> <tr><td>1002</td><td>1</td><td>2</td><td></td></tr> <tr><td>1003</td><td>1</td><td></td><td></td></tr> <tr><td>1004</td><td>2</td><td>3</td><td></td></tr> <tr><td>1005</td><td>2</td><td>3</td><td></td></tr> <tr><td>1006</td><td>2</td><td></td><td></td></tr> <tr><td>1007</td><td>2</td><td></td><td></td></tr> <tr><td>1008</td><td>3</td><td>4</td><td></td></tr> <tr><td>1009</td><td>3</td><td>5</td><td></td></tr> <tr><td>1010</td><td>3</td><td></td><td></td></tr> <tr><td>0</td><td>5</td><td>1</td><td></td></tr> <tr><td>*</td><td>0</td><td></td><td></td></tr> </tbody> </table> <p>A message box titled 'Microsoft Access' is overlaid on the table. It contains a yellow warning triangle icon and the text 'Please Type in Valid Ticket Type ID'. There are 'OK' and 'Help' buttons at the bottom of the message box.</p>	TicketNumber	TicketTypeID	CustomerID	Click to Add	1000	1	1		1001	1	1		1002	1	2		1003	1			1004	2	3		1005	2	3		1006	2			1007	2			1008	3	4		1009	3	5		1010	3			0	5	1		*	0		
TicketNumber	TicketTypeID	CustomerID	Click to Add																																																									
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*	0																																																											
Type	The type of test is correct. (See Lead Examiner report)																																																											
Data	The test data could be better. 0 for a ticket number does not make sense and CustomerID 7 is not suitable for this test as this customer does not exist. The test should only fail on the actual field being tested																																																											
Expected	Expected results are relevant but could be more appropriate e.g. an error message will be displayed saying a valid ticket type ID must be selected																																																											
Actual	Actual results could be better. They clearly show all the test data but the CustomerID does not match the test data that data matches the given test data																																																											

Assessment focus	Band 0	Band 1	Band 2	Band 3	Max Marks
Activity 4: Structure Testing	0	1-2	3-4	5-6	6
	No rewardable material	<p>Testing is too narrow to confirm a working solution, including limited normal, erroneous and/or extreme data.</p> <p>Expected results are generic or mostly inaccurate. Test data may not be present</p> <p>Test results prove that that the database operates under some normal circumstances relevant to the scenario. Test result comments are present when errors have been found. These comments show a limited understanding of any errors that were found.</p>	<p>Testing is adequate to confirm a working solution, including some normal, erroneous and/or extreme data.</p> <p>Expected results are mostly accurate and based on identified test data but may lack detail.</p> <p>Test results prove that that the database operates under some normal circumstances and that the interface can cope with some erroneous and extreme data relevant to the scenario. Test result comments are present when errors have been found. These comments show partial understanding of any errors that were found.</p>	<p>Testing is thorough, including a range of normal, erroneous and extreme data.</p> <p>Expected results are specific and accurate based on identified test data.</p> <p>Test results prove that that the database operates under all circumstances relevant to the scenario. Test result comments are present when errors have been found. These comments show a clear understanding of any errors and how they were fixed.</p>	

Trait	Band	Comments
1	3	The testing carried out is thorough.
2	3	Expected results are mainly specific and accurate and all are based on given test data (slight weakness in places).
3	3	Test results to prove that the database operates in the manner intended. Screenprints prove this (slight weakness in terms of data in record not matching test data). Learner has shown they understand the error that was found and how it was fixed.
Band	3	Overall there are slight weaknesses present. However, holistically the evidence sits in band 3. The testing is thorough. Full marks cannot be awarded due to the weaknesses found.
Mark	5	

Activity 5 - Evaluation, Band 3, Marks 6

Please note there is no requirement for learners to create a table. Examiners know what they have been asked to evaluate. Learners may present the evidence as this learner has but they could end up wasting time that would be better spent on writing the evaluative comments.

Requirement	Achieved	Notes
The Structure of the Database Minimises Data Duplication	Yes	My Database minimises data duplication as I normalised the data at the start all the data was in one table which had all Mildred's details repeated twice as well as all of Eric's details. This is why I had to normalise this data. I first moved it into different tables splitting the customers into one table then the customer type into another as the data from this was also duplicated a lot of times. For example, "Guest of Organiser" was duplicated 3 times on the data given to us and it would be duplicated more if more data is entered into the table. Next, I split it up into ticket type which then allowed me to split the cost and the type of ticket into another table so instead of Saturday being repeated 4 time it was only on the table once. Next, I added in the ticket sales table with ticket number, ticket type id and customer ID this then was used to link the tables together avoiding many to many relationships. So, I linked them together using the IDs which then allowed me to have less data duplication. First, I linked the ticket type table to ticket sales table using one to many relationships again avoiding Data duplication. Next, I linked ticket sales to customer ID as every ticket sale needs a customer but when I use a separate table for the customer it means all their data is organised in one table therefore their data is only recorded on the databases once avoiding data duplication.
How well does the structure meet these requirements: <ul style="list-style-type: none"> There are different types of customer. There are 3 different types of ticket 	yes	I have made sure there can be different types of customers as I have shown in my customer type table I have included "New", "Regular" and "Guest of the Organiser" This means that when you register a customer you will select from these 3 options. Also, as I have a different table for "types of customer" this means I'm able to avoid duplication and just assign an ID to this. Next, I made sure I included 3 different types of ticket in its own separate table which includes the three ticket options I have included these in a combo box which then allows the person inputting the data to then select the type of ticket. I made sure this can be used in the Ticket Sales table by adding ticket type ID as a foreign key so every sale can be selected with a ticket type ID.

This is an excellent account of minimising data duplication. It is specific to the scenario, the data extract and the candidate's own solution. Technical language has been used well and the knowledge and understanding of the learner is clear to see.

This could have been incorporated into the above i.e. tied into how they minimised data duplication. You can see that they have repeated some of this. There is nothing wrong with this account, but they could have saved some time by combining the use of combo boxes etc with their account of minimising data duplication.

Assessment focus	Band 0	Band 1	Band 2	Band 3	Max. mark
Activity 5: Structure Evaluation	0	1-2	3-4	5-6	6
	No rewardable material	<p>Superficial understanding of relevant technical concepts shown with some inaccuracies.</p> <p>Limited or unsupported justification of the relational database structure selected.</p> <p>Limited links between aspects of the solution and the requirements of the scenario.</p> <p>Technical vocabulary is used but it is not used appropriately to support arguments.</p>	<p>Some accurate and relevant understanding of technical concepts shown.</p> <p>Some valid justification, which may lack support of the relational database structure selected.</p> <p>Some logical links between aspects of the solution and the requirements of the scenario but may lack clarity.</p> <p>Mostly accurate technical vocabulary is used to support arguments.</p>	<p>Accurate and detailed understanding of relevant technical concepts shown throughout.</p> <p>A valid and fully supported justification of the relational database structure selected.</p> <p>Makes logical coherent links between aspects of the solution and the requirements of the scenario throughout.</p> <p>Fluent and accurate technical vocabulary is used to support arguments.</p>	

Trait	Band	Comments
1	3	This is an accurate and detailed evaluation. The learner has fully discussed how their solution minimises data duplication and have discussed the given requirements. Their justification of both is valid and fully supported. It is clear to see the links between the solution and requirements throughout. Technical language has been used well.
2	3	
3	3	
Band	3	
Mark	6	

Activity 6 – Interface and Functionality, Band 4, 11 Marks

(a)(i)

Trait 2

Expectations

- StaffID will be generated (default of AutoNumber is fine for this)

Evidence

- StaffID has been included on the form. The form is bound to tblStaff. Therefore the StaffID would be generated automatically as it is an AutoNumber. The candidate has not done anything on the form or in the macro that would prevent the AutoNumber from being generated e.g. use of DMax and append query including the StaffID field etc.

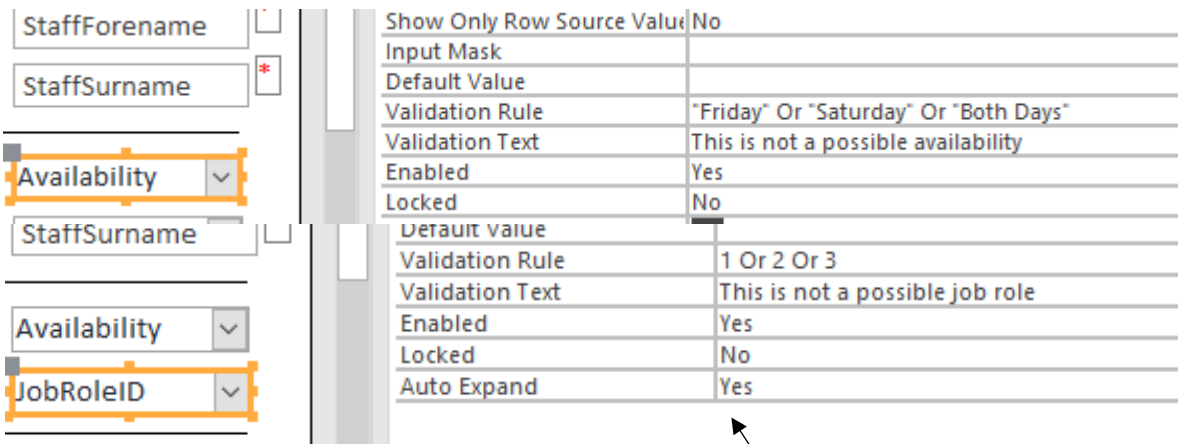
Trait 1

Expectations

- Sensible title
- Instructions on how to use, asterisks where data entry is required
- Appropriate and readable labels
- Field widths appropriate, not just default and not all the same size – relevant to the data that will be displayed in them
- Layout good - attempt at house style – alignment of fields, alignment of data in fields, different size font for title compared to data etc
- StaffID disabled
- Combo box for availability
- Combo box for job role
- Save button

Evidence

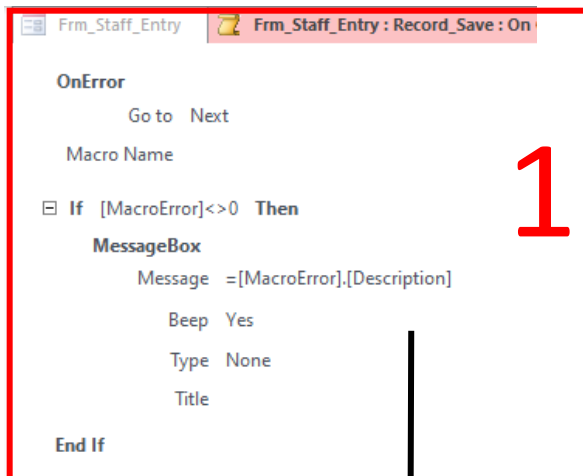
- The form has a sensible title that is relevant to its purpose
- There are instructions on how to use the form and asterisks have been included to show required data entry
- The field widths are mostly appropriate. The job role could possibly be narrower as it is used to only display a number
- There is an attempt at a house style. The form is not the default layout and there has been a decent attempt to customise it. Alignment of the labels for Availability and Job Role could be more consistent with the rest of the labels. The labels are readable
- The StaffID has been disabled to show data entry is not required
- Combo boxes have been included for availability and job role
- A save button has been included and there are no unnecessary buttons



Trait 3

Expectations

- The form will open at a new record
- Validation will be present to ensure the surname is present and that an invalid Availability and invalid Job Role ID cannot be selected (validation at table level or validation added to properties of field in form design for a presence check is not acceptable. Must be macro or VBA written code)
- Automation of the save process including:
 - appending valid data to the staff table
 - displaying a save message
 - clearing the form ready for next record
 - displaying a suitable error message if the surname is not present



The learner has validated Availability and JobRoleID using validation rules. However, they have not shown the source of their combo boxes. It would have been better to show the source and set 'Limit to List' to yes.

The form does not open at a new record.

The learner has attempted to automate the save process considering the requirements for activity 2 and activity 4. However, it is not logical.

1 This code is automatically generated by the wizard when a save button is added. This will only work where table level validation has been applied (this is not allowed) or validation applied to the properties of fields on the form (not acceptable for a presence check). In this instance the learner has validated the JobRoleID and the Availability combo boxes on the form using a validation rule and suitable text. Therefore, this code will kick in if either of those two requirements are not met. NOTE adding a presence check to a field using a validation rule on the property of a field WILL NOT WORK.

2

```

If IsNull([StaffSurname]) Then
    MsgBox
        Message The Staff Surname Field must be filled
        Beep Yes
        Type None
        Title Missing Data
    StopAllMacros
End If

If IsNull([StaffForename]) Then
    MsgBox
        Message The Staff Forename Field must be filled
        Beep Yes
        Type None
        Title Missing Data
    StopAllMacros
End If

```

3

```

If IsNull([cboJob_Role]) Then
    MsgBox
        Message You must enter your job role for the Festival
        Beep Yes
        Type None
        Title Missing Data
    StopAllMacros
End If

```

4

```

RunMenuCommand
    Command SaveRecord
    MsgBox

```

5

```

MsgBox
    Message Rock on!
    Beep Yes
    Type None
    Title Your record has been succesfully saved!

```

2 This code is relevant. The learner has applied a presence check to the surname. They have gone on to add a presence check to the forename – this takes into account the testing activity.

3 This code is not relevant. Looking at the form there is a default value of 0 in the combo box. Therefore, unless the user purposely tries to leave the combo box empty this code will not run. If the user does try to leave it empty then the validation rule would kick in - this code is redundant.

4 The learner has included the SaveRecord command which will save a valid record in tblStaff. This method is only suitable with a bound form. If a form is unbound then an append query (or equivalent) would be expected. Whilst the learner has included the command **StopAllMacros** within each IF statement – this code would run if the Job Role ID was left at the default 0 – though the record would not be saved.

5 again, this would run if the Job Role ID was left at the default of 0 – though the record would not have been saved.

Overall it is a good attempt at validation and automating the save process though there are weaknesses present.

(a) (ii)

Staff Availability

Enter the wanted job role and day of availability to be show the names and amount of staff who are available to work on the criteria day/job you desire

Job Role 2

Availability Friday

Names of available staff Carlos Janet Rory

Number of available staff 3

Trait 1

Expectations

- Sensible title
- Instructions on how to use
- Relevant, consistent, easy to read labels (e.g. spaces)
- Field widths appropriate for data they will hold
- Layout good
- Combo box to select job role
- Combo box to select the day
- All fields disabled other than combo for job role and combo for day
- These generated controls should be on the form (ignore content of fields)
 - Number available
 - Staff availability. Could be list box, combo box, subform etc

Evidence

- The form does have a suitable title – a user would know what the form is for
- Instructions have been included so that the user would know how to use the form
- The labels are relevant and mostly consistent (uppercase R in Role is inconsistent)
- Some of the field widths are appropriate. Number available is too wide. Job Role could be narrower
- The layout is quite good, weakened a little by the instructions being truncated on the last line and the size of the label and field for the number available
- Fields that do not require input have not been disabled
- Generated controls are present for the available staff and the number available

Frm_Staff_Availability

Form Header

Staff Availability

Detail

Enter the wanted job role and day of availability to be show the names and amount of staff who are available to work on the criteria day/iob you desire

Job Role Unbound

Availability Unbound

Names of available staff =DLookup("StaffForename","tblStaff","[Availability]=[cboAvailability] And [JobRoleID]=[cboJob_Role]")

Number of available staff =DCount("StaffForename","tblStaff","[Availability]=[cboAvailability] And [JobRoleID]=[cboJob_Role]")

Trait 2

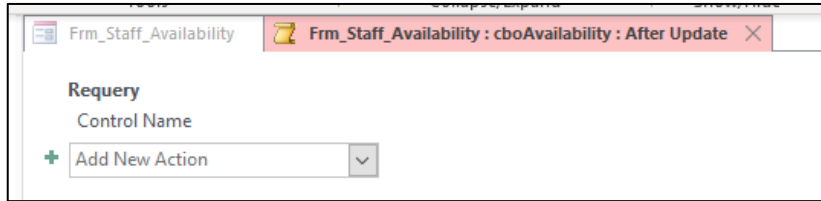
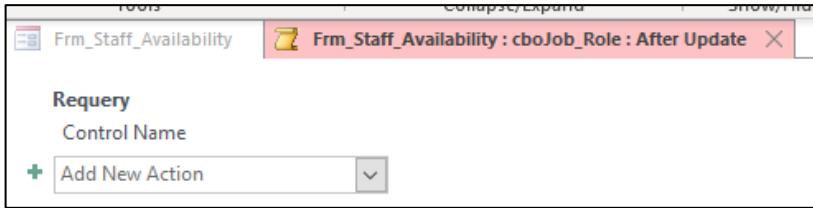
Expectations

- JobRoleID/JobRole - linked to JobRoleID/JobRole selected on the form
- Availability = Combo box should include Friday and Saturday only. Should use what has been selected on the combo box and OR it with "Both Days"
- Number available calculated

Trait 2

Evidence

- Sources for the combo boxes have not been included, which weakens the evidence – it is impossible to tell whether the Availability combo box includes only Friday and Saturday
- There has been an attempt to link the 'JobRole' selected as part of the filter. However, without even attempting to determine whether the DLookup criteria would work it can be seen the method would fail. DLookup will return a maximum of one record. The names shown on the form on the previous page have obviously been manually manipulated
- DCount has been used to count the number of staff available. This would produce the correct results if the combo box includes 'Both days' too. It should only include Friday and Saturday and then 'Both days' should be incorporated into the filter rather than being present in the combo box. However, the sources of the combo boxes have not been given



Trait 1

Expectations

- After the job role and day have been selected the form would update to show:
 - a list of the staff members who are available
 - the total number of staff available for the job role and day
 - there should be some kind of an update event so that the results are updated based on the selections

Evidence

- The learner has used the requery method on the 'After Update' event for both of the combo boxes.

Assessment focus	Band 0	Band 1	Band 2	Band 3	Band 4	Max. mark
Activity 6:	0	1-4	5-7	8-10	11-14	14
Interface and Functionality	No rewardable material	<p>Interface is unclear or provides limited information and there are inconsistencies and inaccuracies in formatting, so a user would experience difficulty in using the database and making maintenance by a third party difficult.</p> <p>Interface may not have details of criteria/calculations required, or these may include inaccuracies.</p> <p>Interface uses minimal validation, checking procedures and automation resulting in a system with limited capacity to reduce errors or handle unexpected events.</p> <p>Interface may not be fully functional and/or may have major errors that prevent the interface from meeting the given criteria.</p>	<p>Interface is clear but there are some inconsistencies and inaccuracies in formatting allowing a user to use the database with minor difficulties and allowing maintenance by a third party with minor difficulties.</p> <p>Interface includes accurate details of some criteria/calculations required.</p> <p>Interface uses some accurate validation, checking procedures and automation, resulting in a system that minimises the most common errors and handles some unexpected events.</p> <p>Interface is functional and meets some of the given criteria with minimal errors.</p>	<p>Interface is clear with minimal inconsistencies and inaccuracies in formatting allowing a user to use the database easily and allowing maintenance by a third party with minor difficulties.</p> <p>Interface includes accurate details of most criteria/calculations required.</p> <p>Interface uses accurate validation, checking procedures and automation, resulting in a system that minimises the majority of errors and handles most unexpected events.</p> <p>Interface is functional with minimal errors and meets the given criteria.</p>	<p>Interface is clear and intuitive, consistently and accurately formatted allowing a user to easily use the database and allowing it to be easily maintained by a third party.</p> <p>Interface includes accurate details of all criteria/calculations required.</p> <p>Interface uses accurate validation, checking procedures and automation throughout, resulting in a robust system that minimises errors and handles unexpected events.</p> <p>Interface is fully functional and fully meets the given criteria.</p>	

Trait	Band	Comments
1	4 middle	The learner has made a very good attempt at the interface. There is a house style and you can see it incorporates thoughts of how the user would be able to use the forms – instructions, asterisks combo boxes etc. However, there are weaknesses e.g. some field widths, fields not disabled on the availability form that should be etc. Holistically though the work is band 4 and the weaknesses would not prevent the user understanding the purpose of the forms and how to use them.
2	3 top	A good attempt has been made. Staff form – the StaffID would be generated Availability form – there has been an attempt at all three aspects, filtering to JobRoleID/JobRole selected, filtering to Day selected and calculating the number available. StaffID is accurate. The results would be relevant – they are the result of a filter method that is appropriate, however there are weaknesses – it is impossible to see whether both days have been considered and DLookup returns one record only. Holistically there is enough evidence to place at the top of band 3. Accurate in this sense does not only mean produce the correct results, it should be taken to mean the accuracy of the methods chosen. DCount is an accurate method and would produce the correct results if it was known whether ‘Both days’ had been considered. DLookup is not an accurate method, in that it would return one record only but the record it would return is correct. Therefore, accurate details of ‘most’.
3	4 bottom	A very good attempt has been made at automation and validation though it is not perfect. Staff form - the form does not open at a new record. A valid record would save into the correct table including the incrementation of the StaffID in the table. Validation has been applied and there are error messages that would be displayed. However, the method chosen is not entirely logical and there are some weaknesses as shown and discussed Availability form - there is an update event which would refresh the contents of the form
4	4 bottom	Holistically, functionality is band 4 at the bottom.
Band	4	Holistically the evidence sits at the bottom of band 4.
Mark	11	

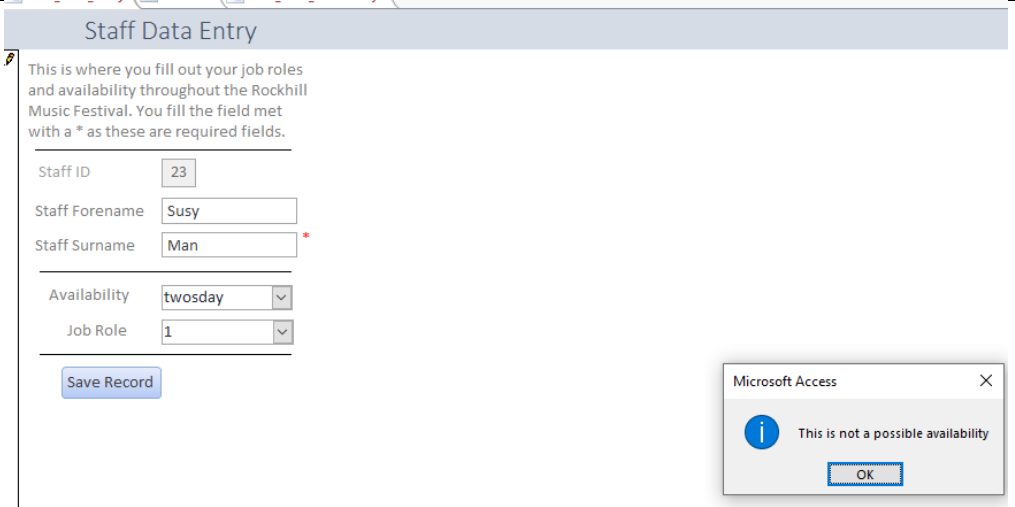
Activity 7 – Interface Testing, Band 2, 4 Marks

These are the tests the learners were asked to carry out:

1. the user cannot select an invalid job role on the input form that adds a member of staff
2. the user cannot select invalid availability on the input form that adds a member of staff
3. a record will not save in the staff table without a staff member's forename
4. a record will save in the staff table if the staff member's details are present and valid
5. the correct list of staff members displays when the job role is 'Bartender' and the availability is 'Friday'
6. the correct total number of staff displays when the job role is 'Steward' and the availability is 'Saturday'

The final two columns have been merged in order to see the results clearly – the actual template is A3 size.

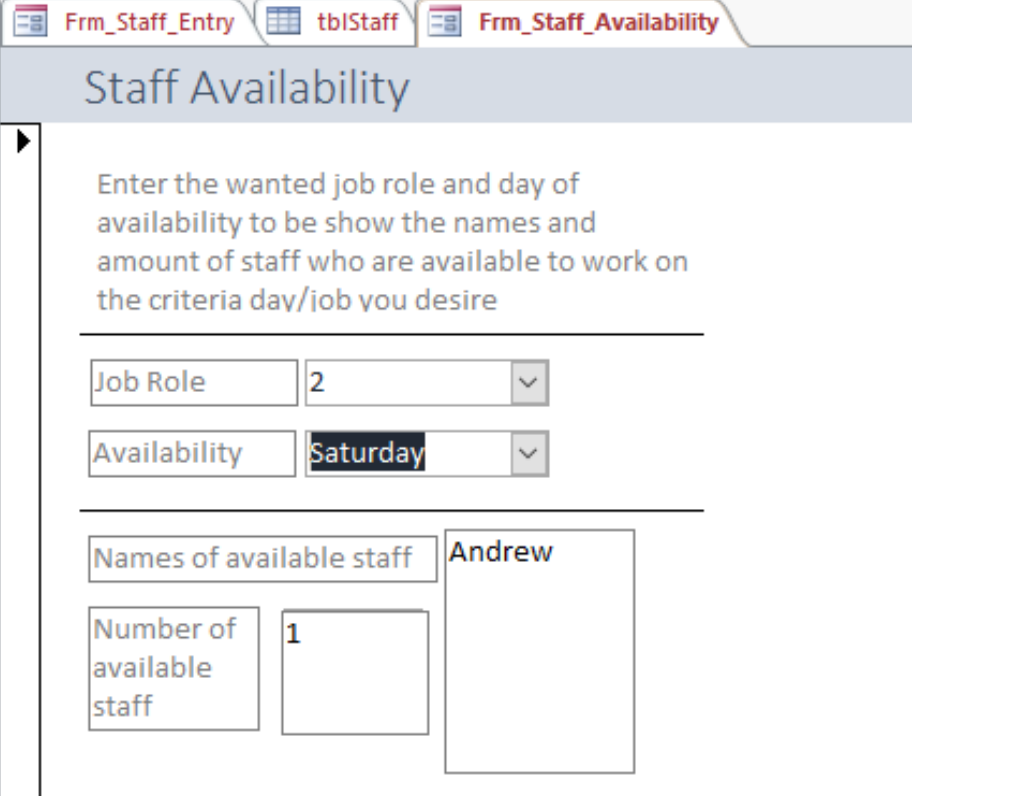
Test No	Type	Test data	Expected results	Add screenprint(s) of the results of this test (and any retests) Ensure you show the test data used in the screenprint(s)
1	R	Staff Forename - Susy Staff Surname - Man Availability - Saturday Job role - 14	The form will produce a pop-up message to instigate that it's an invalid job role	
Type	The type of test is correct. (See Lead Examiner report)			
Data	The test data for the StaffID should have been given even just say it is AutoNumber. Other than that the test data is fine. Specific and only the JobRoleID is invalid			
Expected	Just about fine. Could be worded better			
Actual	Good results. Clear screenprint including the test data, which matches the test data given, and the error message			

Test No	Type	Test data	Expected results	Add screenprint(s) of the results of this test (and any retests) Ensure you show the test data used in the screenprint(s)
2	R	Staff Forename - Susy Staff Surname - Man Availability - Twosday Job role - 1	The form will produce a pop-up message to instigate that it's an invalid time for availability	 <p>The screenshot shows a 'Staff Data Entry' form with the following fields: Staff ID (23), Staff Forename (Susy), Staff Surname (Man), Availability (twosday), and Job Role (1). A 'Save Record' button is at the bottom. A Microsoft Access error dialog box is overlaid on the bottom right, stating 'This is not a possible availability' with an 'OK' button.</p>
Type		The type of test is correct.		
Data		The test data for the StaffID should have been given even just say it is AutoNumber. Other than that the test data is fine. Specific and only the Availability is invalid		
Expected		Just about fine. Could be worded better		
Actual		Good results. Clear screenprint including the test data, which matches the test data given, and the error message		

Test No	Type	Test data	Expected results	Add screenprint(s) of the results of this test (and any retests) Ensure you show the test data used in the screenprint(s)
3	X	Staff Forename - null Staff Surname - Man Availability - Friday Job role - 1	The for will have a pop-up from the macro	<p>The screenshot shows a web application window titled 'Staff Data Entry'. The page contains a form with the following fields: Staff ID (text input with value '24'), Staff Forename (text input, empty, with a red asterisk), Staff Surname (text input with value 'Man', with a red asterisk), Availability (dropdown menu with 'Friday' selected), and Job Role (dropdown menu with '1' selected). Below the form is a 'Save Record' button. A modal dialog box titled 'Missing Data' is open, displaying the message 'The Staff Forename Field must be filled' and an 'OK' button.</p>
Type	The type of test is incorrect. This should be erroneous 'R'			
Data	The test data for the StaffID should have been given even just say it is AutoNumber. Other than that the test data is fine. Specific and only the forename is invalid			
Expected	The expected results are poor. There is no indication of what should actually happen.			
Actual	Good results. Clear screenprint including the test data, which matches the test data given, and the error message			

Test No	Type	Test data	Expected results	Add screenprint(s) of the results of this test (and any retests) Ensure you show the test data used in the screenprint(s)																																																																																																									
4	N	Staff Forename - Susy Staff Surname - Man Availability - Friday Job role - 1	There will be a new record in the tblstaff when you press save	<table border="1"> <thead> <tr> <th>StaffID</th> <th>StaffSurname</th> <th>StaffForename</th> <th>Availability</th> <th>JobRoleID</th> </tr> </thead> <tbody> <tr><td>1</td><td>Robson</td><td>Angela</td><td>Friday</td><td>1</td></tr> <tr><td>2</td><td>Guy</td><td>Chris</td><td>Both days</td><td>1</td></tr> <tr><td>3</td><td>Ormsher</td><td>Diane</td><td>Saturday</td><td>1</td></tr> <tr><td>4</td><td>Johnson</td><td>Kym</td><td>Both days</td><td>1</td></tr> <tr><td>5</td><td>Goodson</td><td>Alex</td><td>Friday</td><td>1</td></tr> <tr><td>6</td><td>Islam</td><td>Mobin</td><td>Saturday</td><td>1</td></tr> <tr><td>7</td><td>Varelas</td><td>Agatha</td><td>Both days</td><td>2</td></tr> <tr><td>8</td><td>Morris</td><td>Amanda</td><td>Both days</td><td>2</td></tr> <tr><td>9</td><td>Brown</td><td>Andrew</td><td>Saturday</td><td>2</td></tr> <tr><td>10</td><td>Santos</td><td>Carlos</td><td>Friday</td><td>2</td></tr> <tr><td>11</td><td>Briggs</td><td>Janet</td><td>Friday</td><td>2</td></tr> <tr><td>12</td><td>Ritchie</td><td>Rory</td><td>Friday</td><td>2</td></tr> <tr><td>13</td><td>Wallace</td><td>Dean</td><td>Both days</td><td>3</td></tr> <tr><td>14</td><td>Greener</td><td>Abigail</td><td>Both days</td><td>3</td></tr> <tr><td>15</td><td>González</td><td>Alejandro</td><td>Friday</td><td>3</td></tr> <tr><td>16</td><td>Alfonsi</td><td>Sofia</td><td>Saturday</td><td>3</td></tr> <tr><td>17</td><td>Dodds</td><td>Paula</td><td>Friday</td><td>3</td></tr> <tr><td>18</td><td>Catterill</td><td>Valerie</td><td>Friday</td><td>3</td></tr> <tr><td>24</td><td>Man</td><td>Susy</td><td>Friday</td><td>1</td></tr> <tr><td>*</td><td>(New)</td><td></td><td></td><td>0</td></tr> </tbody> </table>	StaffID	StaffSurname	StaffForename	Availability	JobRoleID	1	Robson	Angela	Friday	1	2	Guy	Chris	Both days	1	3	Ormsher	Diane	Saturday	1	4	Johnson	Kym	Both days	1	5	Goodson	Alex	Friday	1	6	Islam	Mobin	Saturday	1	7	Varelas	Agatha	Both days	2	8	Morris	Amanda	Both days	2	9	Brown	Andrew	Saturday	2	10	Santos	Carlos	Friday	2	11	Briggs	Janet	Friday	2	12	Ritchie	Rory	Friday	2	13	Wallace	Dean	Both days	3	14	Greener	Abigail	Both days	3	15	González	Alejandro	Friday	3	16	Alfonsi	Sofia	Saturday	3	17	Dodds	Paula	Friday	3	18	Catterill	Valerie	Friday	3	24	Man	Susy	Friday	1	*	(New)			0
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Test No	Type	Test data	Expected results	Add screenprint(s) of the results of this test (and any retests) Ensure you show the test data used in the screenprint(s)
5	N	Job Role – 1 Availability - Friday	The form will dlookup the names relating to the two combo boxes and dcount the total available for the criteria	
Type	The type of test is correct			
Data	The test data is good. What they were told they need to test			
Expected	The expected results are weak. The learner should know what results should be displayed. The number of records in the database would mean this is relatively simple to determine			
Actual	Good results. Clear screenprint including the test data. Whilst it is known that the two staff names could not possibly appear because of the method shown in activity 6 they have already been penalised for that and this is marked as a 'stand alone' activity. Therefore they are taken at face value. It would have been nice to see the learner realise that those who can work both days can also work Friday though that was a discriminator in Activity 6 so will probably not be noticed here			

Test No	Type	Test data	Expected results	Add screenprint(s) of the results of this test (and any retests) Ensure you show the test data used in the screenprint(s)
6	N	Job Role – 2 Availability - Saturday	The form will dlookup the names relating to the two combo boxes and dcount the total available for the criteria	
Type		The type of test is correct		
Data		The test data is good. What they were told to use as test data		
Expected		The expected results are weak. The learner should know what results should be displayed. The number of records in the database would mean this is relatively simple to determine		
Actual		Good results. Clear screenprint including the test data. See coments for test 5 in terms of the names shown etc		

Assessment focus	Band 0	Band 1	Band 2	Band 3	Max Marks
Activity 7: Interface Testing	0	1-2	3-4	5-6	6
	No rewardable material	<p>Testing is too narrow to confirm a working interface, including limited normal, erroneous and/or extreme data.</p> <p>Expected results are generic or mostly inaccurate. Test data may not be present</p> <p>Test results prove that that the database operates under some normal circumstances relevant to the scenario. Test result comments are present when errors have been found. These comments show a limited understanding of any errors that were found.</p>	<p>Testing is adequate to confirm a working interface, including some normal, erroneous and/or extreme data.</p> <p>Expected results are mostly accurate and based on identified test data but may lack detail.</p> <p>Test results prove that that the database operates under some normal circumstances and that the interface can cope with some erroneous and extreme data relevant to the scenario. Test result comments are present when errors have been found. These comments show partial understanding of any errors that were found.</p>	<p>Testing is thorough, including a range of normal, erroneous and extreme data.</p> <p>Expected results are specific and accurate based on identified test data.</p> <p>Test results prove that that the database operates under all circumstances relevant to the scenario. Test result comments are present when errors have been found. These comments show a clear understanding of any errors and how they were fixed.</p>	

Trait	Band	Comments
1	2	Testing is adequate to confirm a working solution. There are weaknesses in terms of some of the expected results and some of the test data. The test results could be better at times e.g. the adding of a valid new staff member record
2		
3		
Band	2	Overall there is enough evidence to place the learner at the top of band 2. It is not quite enough to enter band 3 but more than enough for band 1. If the expected results had been stronger than the learner would have entered band 3.
Mark	4	

Activity 8 – Interface Evaluation, Band 3, 5 Marks

The interface which I have created performs well in allowing the user to add new members of staff and to access data to see when different members of staff are available, the form works well to do this and provides an easy to fill out form. The user is unable to select an invalid job role to do this I uses a dropdown menu with only three options which were the three job roles meaning users will not be able to accidentally add new job roles which would not exist.



Some consideration of usability of the form focusing on the impact on the user.

The user is also unable to select an invalid availability if the user does the data will not save and an error message will appear showing the user that the wrong data has been entered in to the form only when the, only when the staff ID and the availability go together will the data save in to the database.

The data will also not save in the staff table in the staff table without a staff's forename it is important that the form is able to do this task as, if the user was able to save the data in to the staff table without the member of staff's forename then there would be lots of unfinished bits of data this would cause confusion and the database would not work properly without all of the data form being entered. To prevent this from happening if the staff's forename is not entered the data will not save and an error message will appear telling the user what they have done wrong only when all of the data is correct and present will the data save in to the staff table.



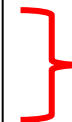
Good consideration of usability focusing on the impact on the user.

The form will also save in the staff table is all of the staffs details are present, the user has to press a button on the screen which saves the data into the table a message will the show says the data has been saved, this message has been made though using validation, but does not stop the data form being saved, the user is then able to create another new staff member as the table automatically clears as the data has gone in to the staff table.



A little bit confusing i.e. "but does not stop the data form being saved". Also does not consider the user – what impact does this have e.g. clearly knows the save has taken place because of the message, could sit waiting/try to save again without that as would not know etc.

The last requirement was hard to meet as I had never created a Dfunction using two different combo boxes to determine the value output but got around it using the AND function. This made the form usable for the user as it was then able to display the correct list of staff members when the job role 'bartender' and availability 'Friday' was present and the same with 'steward' and 'Saturday' which was an exciting achievement bare in mind the difficulty of the requirement.



Not quite true but the learner is correct it was a very good achievement. Focus is on the user – 'usable for the user as....'

Assessment focus	Band 0	Band 1	Band 2	Band 3	Max. mark
Activity 8: Interface Evaluation	0	1-2	3-4	5-6	6
	No rewardable material	<p>Superficial understanding of relevant technical concepts shown with some inaccuracies.</p> <p>Limited or unsupported justification of the quality, performance and usability of the interface.</p> <p>Limited links between aspects of the solution and the requirements of the scenario.</p> <p>Technical vocabulary is used but it is not used appropriately to support arguments.</p>	<p>Some accurate and relevant understanding of technical concepts shown.</p> <p>Some valid justification, which may lack support of the quality, performance and usability of the interface.</p> <p>Some logical links between aspects of the solution and the requirements of the scenario but may lack clarity.</p> <p>Mostly accurate technical vocabulary is used to support arguments.</p>	<p>Accurate and detailed understanding of relevant technical concepts shown throughout.</p> <p>A valid and fully supported justification of the quality, performance and usability of the interface.</p> <p>Makes logical coherent links between aspects of the solution and the requirements of the scenario throughout.</p> <p>Fluent and accurate technical vocabulary is used to support arguments.</p>	

Trait	Band	Comments
1	3	Overall, though there are some weaknesses, it is clear to see the learner understands technical concepts. They have mostly supported their judgements ensuring the judgements consider the user. It is clear to see the links between the solution and the scenario/activity requirements. Technical language could be better in places.
2		
3		
Band	3	Holistically, there is enough evidence to place the learner at the bottom of band 3.
Mark	5	