



Level 3 National in Information Technology

January 2021

Activity 6 Marking Guidance and Marked Examples

Contents

| | |
|--|----|
| Activity 6 – Interface and functionality (70 mins) | 3 |
| Trait 1 | 3 |
| Trait 2 | 4 |
| Trait 3 | 5 |
| Trait 4 | 5 |
| Example A | 6 |
| Example B | 11 |
| Example C | 15 |
| Example D | 19 |

Activity 6 – Interface and functionality (70 mins)

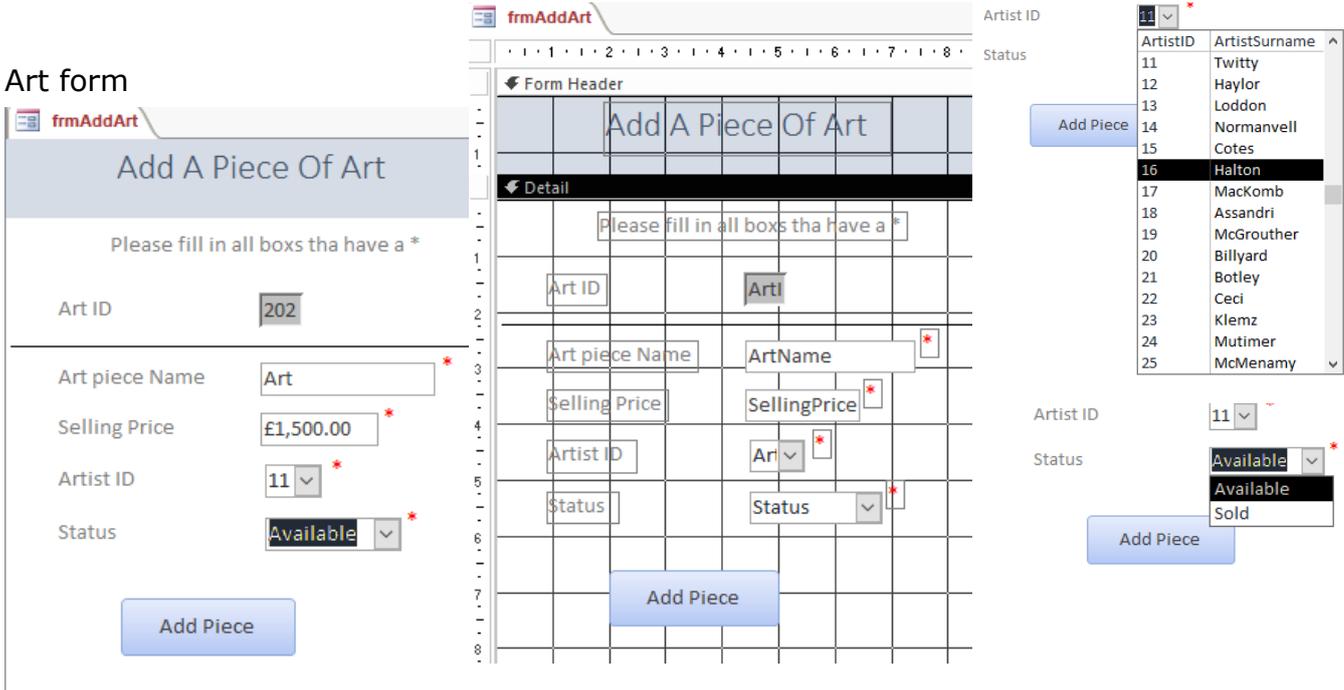
How examiners must approach marking this activity

| Trait 1 | <p>This is all about how the forms look, how easy they would be to use and how relevant they are to the scenario and tasks.</p> <p>Add art form</p> <ul style="list-style-type: none"> • Sensible title • Instructions on how to use, asterisk(s) where data entry is required • Field widths appropriate for data they will hold • Layout good • ArtID disabled • Relevant, consistent, easy to read labels (e.g., spaces) • Save button <p>Sales and rating form</p> <ul style="list-style-type: none"> • Sensible title • Instructions on how to use, asterisk(s) where data entry is required • Relevant, consistent, easy to read labels (e.g., spaces) • Field widths appropriate for data they will hold • Layout good • Combo box to select the Artist • Combo box to select the Rating • All fields disabled other than combo for Artist and combo for Rating • These generated fields should be on the form (ignore content of fields) <ul style="list-style-type: none"> ○ Artist’s email (linked to ArtistID/Artist) ○ Total number of pieces of art (linked to ArtistID/Artist) ○ The highest price for a piece of art (linked to ArtistID/Artist) ○ The lowest price for a piece of art (linked to ArtistID/Artist) ○ The number of pieces of art sold (linked to ArtistID/Artist and sold) ○ The total amount of money made from sales (linked to ArtistID/Artist and sold) | | | | | | |
|----------------|---|------|----------|----------|---|----------|---|
| | <table border="1"> <thead> <tr> <th style="background-color: #cccccc;">Band</th> <th style="background-color: #cccccc;">Comments</th> </tr> </thead> <tbody> <tr> <td style="background-color: #cccccc; text-align: center;">1</td> <td> <ul style="list-style-type: none"> • Do not reflect their purpose • Are mostly/are default • Are not user friendly: <ul style="list-style-type: none"> ○ Default titles, labels, field widths ○ No data input aids ○ No disabled fields ○ House style does not exist ○ Layout poor </td> </tr> <tr> <td style="background-color: #cccccc; text-align: center;">2</td> <td> <ul style="list-style-type: none"> • Better matched to purpose • Not all default based on wizard • Are more user friendly (will include some of these): <ul style="list-style-type: none"> ○ titles relevant to purpose ○ data input aids present e.g., asterisks, instructions though may not use combo boxes for Artist and Rating ○ disabled fields ○ field widths not left at default though may not be entirely sensible ○ some labels amended from default where appropriate ○ Layout good in places </td> </tr> </tbody> </table> | Band | Comments | 1 | <ul style="list-style-type: none"> • Do not reflect their purpose • Are mostly/are default • Are not user friendly: <ul style="list-style-type: none"> ○ Default titles, labels, field widths ○ No data input aids ○ No disabled fields ○ House style does not exist ○ Layout poor | 2 | <ul style="list-style-type: none"> • Better matched to purpose • Not all default based on wizard • Are more user friendly (will include some of these): <ul style="list-style-type: none"> ○ titles relevant to purpose ○ data input aids present e.g., asterisks, instructions though may not use combo boxes for Artist and Rating ○ disabled fields ○ field widths not left at default though may not be entirely sensible ○ some labels amended from default where appropriate ○ Layout good in places |
| Band | Comments | | | | | | |
| 1 | <ul style="list-style-type: none"> • Do not reflect their purpose • Are mostly/are default • Are not user friendly: <ul style="list-style-type: none"> ○ Default titles, labels, field widths ○ No data input aids ○ No disabled fields ○ House style does not exist ○ Layout poor | | | | | | |
| 2 | <ul style="list-style-type: none"> • Better matched to purpose • Not all default based on wizard • Are more user friendly (will include some of these): <ul style="list-style-type: none"> ○ titles relevant to purpose ○ data input aids present e.g., asterisks, instructions though may not use combo boxes for Artist and Rating ○ disabled fields ○ field widths not left at default though may not be entirely sensible ○ some labels amended from default where appropriate ○ Layout good in places | | | | | | |

| | 3 | <ul style="list-style-type: none"> • Add art form fully matches purpose • Mostly user friendly (do not need all of these but a very good attempt): <ul style="list-style-type: none"> ○ relevant titles ○ some data input aids e.g., asterisks, instructions, combo boxes ○ field widths sensible ○ some of the artist information shown ○ some of the fields for calculations shown ○ some disabled fields ○ layout mostly good | | | | | | | | | | |
|---|---|---|------|----------|-----------|---|-----------|--|-----------|--|-----------|--|
| | 4 | <ul style="list-style-type: none"> • Add art form fully matches purpose • Sales analysis and rating form is user friendly (most if not all): <ul style="list-style-type: none"> ○ relevant titles ○ data input aids present where suitable including combo boxes for Artist and Rating (sales and rating form) ○ all field widths sensible ○ all fields that should be automatically generated disabled ○ consistent house style for both forms ○ layout very good | | | | | | | | | | |
| Trait 2 | <p>Add art form</p> <ul style="list-style-type: none"> • ID would be generated (default of AutoNumber is fine for this) <p>Sales analysis and rating form</p> <p><i>Criteria</i></p> <ul style="list-style-type: none"> • All fields - linked to ArtistID/Artist combo box • ONLY Number Sold and Total Sales links to art that has been sold <p><i>Calculations</i></p> <ul style="list-style-type: none"> • Total number of pieces of art • Highest Selling Price • Lowest selling price • Number of pieces sold • Total amount of money made from sales | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th style="text-align: center;">Band</th> <th style="text-align: center;">Comments</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1T</td> <td> <ul style="list-style-type: none"> • ArtID automatically generated </td> </tr> <tr> <td style="text-align: center;">2T</td> <td> <ul style="list-style-type: none"> • ArtID automatically generated • Sales analysis and rating form – some attempt has been made but little works. These are examples only. Best fit <ul style="list-style-type: none"> ○ Three attempted, one correctly working or ○ Two correctly working </td> </tr> <tr> <td style="text-align: center;">3T</td> <td> <ul style="list-style-type: none"> • ArtID automatically generated • Sales analysis form, quite a good attempt. For example, three correctly working </td> </tr> <tr> <td style="text-align: center;">4T</td> <td> <ul style="list-style-type: none"> • ArtID automatically generated • Sales analysis form. Majority/all working. For example, the full seven attempted, six correctly working </td> </tr> </tbody> </table> | | | Band | Comments | 1T | <ul style="list-style-type: none"> • ArtID automatically generated | 2T | <ul style="list-style-type: none"> • ArtID automatically generated • Sales analysis and rating form – some attempt has been made but little works. These are examples only. Best fit <ul style="list-style-type: none"> ○ Three attempted, one correctly working or ○ Two correctly working | 3T | <ul style="list-style-type: none"> • ArtID automatically generated • Sales analysis form, quite a good attempt. For example, three correctly working | 4T | <ul style="list-style-type: none"> • ArtID automatically generated • Sales analysis form. Majority/all working. For example, the full seven attempted, six correctly working |
| Band | Comments | | | | | | | | | | | |
| 1T | <ul style="list-style-type: none"> • ArtID automatically generated | | | | | | | | | | | |
| 2T | <ul style="list-style-type: none"> • ArtID automatically generated • Sales analysis and rating form – some attempt has been made but little works. These are examples only. Best fit <ul style="list-style-type: none"> ○ Three attempted, one correctly working or ○ Two correctly working | | | | | | | | | | | |
| 3T | <ul style="list-style-type: none"> • ArtID automatically generated • Sales analysis form, quite a good attempt. For example, three correctly working | | | | | | | | | | | |
| 4T | <ul style="list-style-type: none"> • ArtID automatically generated • Sales analysis form. Majority/all working. For example, the full seven attempted, six correctly working | | | | | | | | | | | |

| Trait 3 | This trait is about validation and automation. | | | | | | | | | |
|--|---|----------|----------|--|----------|---|----------|--|----------|--|
| | Add art form | | | | | | | | | |
| | <ul style="list-style-type: none"> • Opens at a new record • Validation to ensure the art name is present and selling price is within the range • Saving includes: <ul style="list-style-type: none"> ○ appending valid data to the art table ○ displaying a save message ○ displaying a suitable error message if the surname is not present or the selling price is out of range | | | | | | | | | |
| | Sales analysis and rating form | | | | | | | | | |
| | <ul style="list-style-type: none"> • After each ArtistID/Artist has been selected, the form would update to show: <ul style="list-style-type: none"> ○ the artist's email ○ the total number of pieces or art ○ the highest price for a piece of art ○ the lowest price for a piece of art ○ the number of pieces sold ○ the total amount of money made from sales | | | | | | | | | |
| <table border="1"> <thead> <tr> <th data-bbox="277 911 427 943">Band</th> <th data-bbox="432 911 1493 943">Comments</th> </tr> </thead> <tbody> <tr> <td data-bbox="277 949 427 1261">1</td> <td data-bbox="432 949 1493 1261"> Art form Will be a form that may not reflect its purpose – assigning a piece of art to an artist. <ul style="list-style-type: none"> • May not open at a new record • ArtID automatically generated • Save button present but no indication of how the save will be carried out • Will be mostly default </td> </tr> <tr> <td data-bbox="277 1267 427 1335">2</td> <td data-bbox="432 1267 1493 1335">Will have had a good attempt at the art form or weaker attempts at both forms</td> </tr> <tr> <td data-bbox="277 1341 427 1408">3</td> <td data-bbox="432 1341 1493 1408">Will have had a good attempt at the art form and a good attempt at the sales analysis form</td> </tr> <tr> <td data-bbox="277 1415 427 1440">4</td> <td data-bbox="432 1415 1493 1440">Very little, if anything will not have been evidenced.</td> </tr> </tbody> </table> | Band | Comments | 1 | Art form Will be a form that may not reflect its purpose – assigning a piece of art to an artist. <ul style="list-style-type: none"> • May not open at a new record • ArtID automatically generated • Save button present but no indication of how the save will be carried out • Will be mostly default | 2 | Will have had a good attempt at the art form or weaker attempts at both forms | 3 | Will have had a good attempt at the art form and a good attempt at the sales analysis form | 4 | Very little, if anything will not have been evidenced. |
| Band | Comments | | | | | | | | | |
| 1 | Art form Will be a form that may not reflect its purpose – assigning a piece of art to an artist. <ul style="list-style-type: none"> • May not open at a new record • ArtID automatically generated • Save button present but no indication of how the save will be carried out • Will be mostly default | | | | | | | | | |
| 2 | Will have had a good attempt at the art form or weaker attempts at both forms | | | | | | | | | |
| 3 | Will have had a good attempt at the art form and a good attempt at the sales analysis form | | | | | | | | | |
| 4 | Very little, if anything will not have been evidenced. | | | | | | | | | |
| Trait 4 | This trait is about functionality and is automatically awarded based on the other three traits. | | | | | | | | | |

Example A



Trait 1 – Appearance and potential ease of use

| | |
|---------------------|---|
| Title | The title is relevant to the purpose of the form |
| User aids | <ul style="list-style-type: none"> • There are instructions on how to use the form • The ArtID (generated field) has been disabled • ArtistID and Status are combo boxes • There are asterisks showing where date entry is required Very good user aids |
| Labels | All the labels are suitable i.e., spaces where there is more than one word – slight weakness in that the p in piece is lowercase, this is different to the rest. Fine for ID to use uppercase |
| Field widths | All the field widths are appropriate for the data that would possibly be input |
| Save button | There is a save button present |
| Overall | Overall, the appearance and potential ease of use is fit for purpose |

Trait 2 – Calculations and criteria

| | |
|------------------------|---|
| ArtID generated | The ArtID and a save button can be seen on the form. The database was given to the candidates and the ArtID is an AutoNumber field, therefore this is enough to award the automatic generation of the ArtID. If the ArtID and/or save button were missing then the macro/code would need to be examined to see whether there is a save command or equivalent to award this. |
|------------------------|---|

Trait 3 – Validation and automation

frmAddArt frmAddArt : cmdSave : On Click

```

    If IsNull([ArtName]) Then
        MsgBox
            Message Please enter the name of this piece of art
            Beep Yes
            Type None
            Title Missing Data
    
```

```

    Else If [SellingPrice]<1000 Then
        MsgBox
            Message Please enter a value between 1000 and 2000
            Beep Yes
            Type None
            Title Value to low
    Else If [SellingPrice]>2000 Then
        MsgBox
            Message Please enter a value between 1000 and 2000
            Beep Yes
            Type None
            Title Value to high
    
```

```

    Else
        RunMenuCommand
            Command SaveRecord
        MsgBox
            Message New piece of art has been added!
            Beep Yes
            Type None
            Title Art Added!
        GoToRecord
            Object Type Form
            Object Name frmAddArt
            Record New
            Offset
    End If
    
```

```

    GoToRecord
        Object Type Form
        Object Name frmAddArt
        Record New
        Offset
    + Add New Action
    
```

| | |
|-------------------------------------|--|
| ArtID generated | The ArtID has been automatically generated (see Trait 2) |
| Opens at a new record | The candidate has included a screenprint of a macro that show moving to a new record as the form opens. Evidence could also take the form of a blank form shown in form view, the form properties being shown to allow Data Entry etc. |
| Presence check (min ArtName) | IsNull has been used to force a presence check on the art name and there is also a suitable error message. Note: a validation rule added to the properties on the ArtName field is not acceptable |
| Range check on SellingPrice | The two Else If statements cover both ends of the range. A suitable error message is present for both. Note: a validation rule and validation text added to the properties of the SellingPrice field is also acceptable |
| Save | A save command can be seen (next, new, close form and save etc. are all appropriate). There is also a suitable save message and the form is cleared ready for the next record. The save can be classed as fully working as it does not take place independently of the If, Else IF statements i.e., there is an Else statement. Independent statements are fine if you can be sure the macro would stop if an error encountered e.g., Stop All Macros |

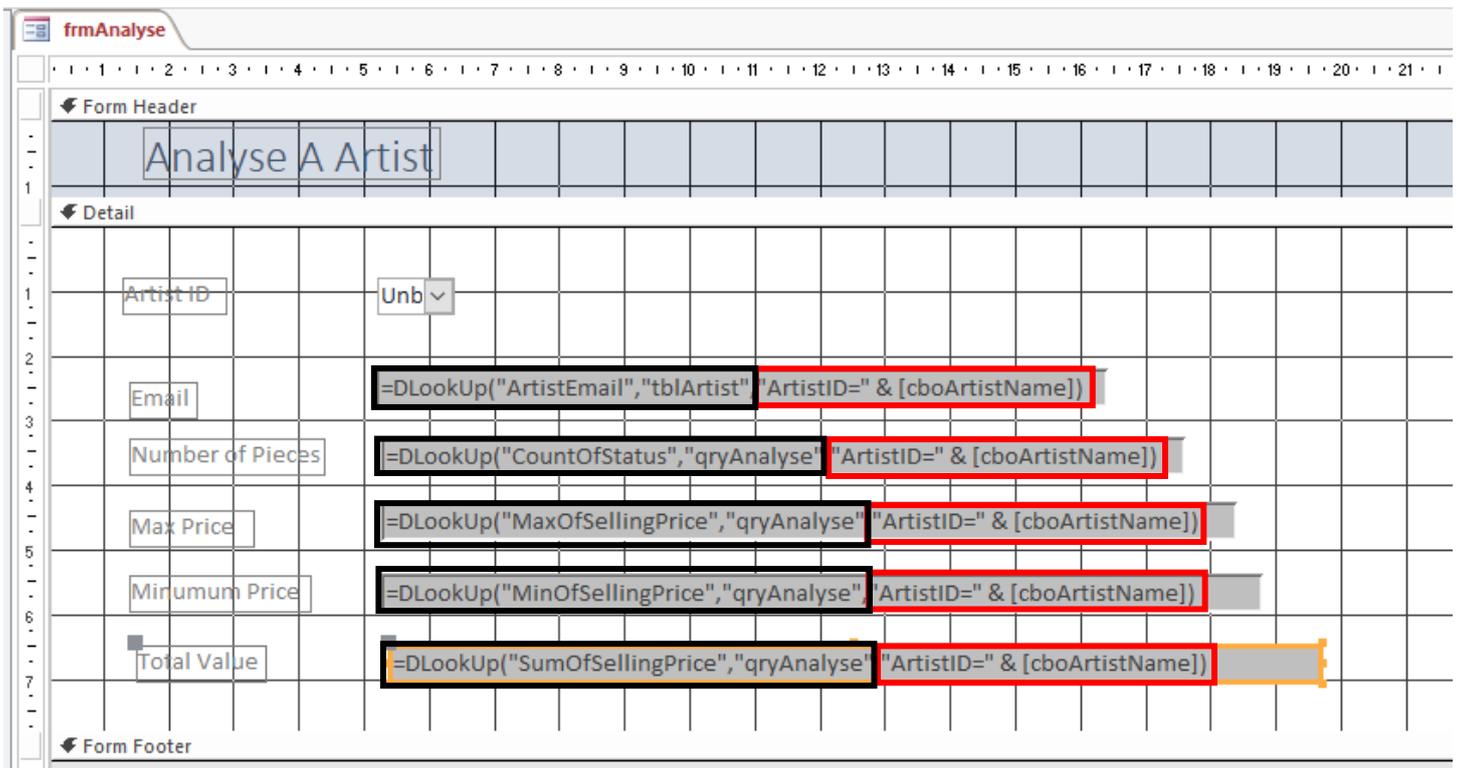
Sales analysis and rating form

The screenshot shows a web form titled "Analyse A Artist" with the following fields and values:

- Artist ID: 7 (dropdown menu is open showing a list of artists from 7 to 22, with "Notley" selected)
- Email: Notl@canru.com
- Number of Pieces: 7
- Max Price: £843.00
- Minumum Price: £124.00
- Total Value: £3,310.00

Trait 1 – Appearance and potential ease of use

| | |
|---------------------|---|
| Title | The title is relevant to the purpose of the form |
| User aids | User aids are weaker on this form. Even though this form does not include validation (as they are only tested once on this), the candidates should consider user aids that would be needed. Whilst the candidate has provided a combo box to select the artist and has disabled the generated fields, there are no instructions on how to use the form, there is no method of inputting a rating and there should have been an asterisk on Artist ID (Rating too if it had been included) |
| Labels | All the labels are suitable i.e., spaces where there is more than one word |
| Field widths | All the field widths are appropriate for the data that would possibly be input |
| Overall | Overall, the appearance and potential ease of use is partially fit for purpose considering the weakness mentioned. |



Trait 2 – Calculations and criteria

| | |
|-------------------------------|--|
| Artist link | <p>All generated fields should link to the artist selected.</p> <p>The evidence can be classed as an attempt to link to the artist. The reason for this is that the email can be seen to link to the combo box and tblArtist, a query has obviously been used for the calculations, but the candidate has not included a design view screenprint of the query nor evidence of the source of the combo box.</p> |
| Sold art link | <p>Only the Total number sold, and the Total money sales should be linked to art that has been 'sold'</p> <p>There is no evidence to suggest this has been considered.</p> |
| Total number of pieces | <p>Because the DLookup is looking up to a field name that sounds reasonable in this context this can be classed as an attempt at the calculation</p> |
| Highest selling price | <p>Because the DLookup is looking up to a field name that sounds reasonable in this context this can be classed as an attempt at the calculation</p> |
| Lowest selling price | <p>Because the DLookup is looking up to a field name that sounds reasonable in this context this can be classed as an attempt at the calculation</p> |
| Total number sold | <p>There is no evidence to support this</p> |
| Total money (sales) | <p>Because the DLookup is looking up to a field name that sounds reasonable in this context this can be classed as an attempt at the calculation</p> |

Trait 3 – Validation and automation

Candidates are not penalised again for calculations that do not work as expected. Automation can be awarded if a reasonable attempt has been made at the calculations/you can see data in them that looks reasonable etc.

| | |
|-------------------------------|---|
| Artist's email | The attempt to link was reasonable and the email can be seen. This can be classed as displaying |
| Total number of pieces | The attempt to link was reasonable, the calculation looked reasonable and data can be seen. This can be classed as displaying |
| Highest selling price | The attempt to link was reasonable, the calculation looked reasonable and data can be seen. This can be classed as displaying |
| Lowest selling price | The attempt to link was reasonable, the calculation looked reasonable and data can be seen. This can be classed as displaying |
| Total number sold | There is no evidence to support this |
| Total money (sales) | The attempt to link was reasonable, the calculation looked reasonable and data can be seen. This can be classed as displaying |
| Form refreshes | There is no evidence to suggest the form would refresh if another artist were selected |

| Trait | | | | Awarded | |
|-------|----|----|----|---------|------|
| 1 | 2 | 3 | 4 | Band | Mark |
| 4M | 2B | 4M | 3M | 3T | 10 |

| Comments | |
|----------------|---|
| Trait 1 | The add user form is fully fit for purpose. The sales analysis and rating form is weaker but does include three user aids. There is enough to suggest a house style has been attempted. Mid band 4 appropriate. |
| Trait 2 | The ArtID has been generated for the Art form. The analysis form is weaker with nothing that could be classed as fully working though some attempts had been made. The evidence fits best at the bottom of band two. |
| Trait 3 | Most of the automation and validation has been evidenced for the art form (range check is not fully appropriate). Most of the automation is present for the analysis form other than the display of the number of pieces of art sold and the form refreshing after a selection has been made. The evidence is better than band 3 i.e., most appropriate mid band 4. |
| Trait 4 | Overall, based on the other three traits there is enough evidence to suggest band 3. |
| Overall | Taking all traits into account the evidence sits best at the top of band 3. |

Example B

Trait 1 – Appearance and potential ease of use

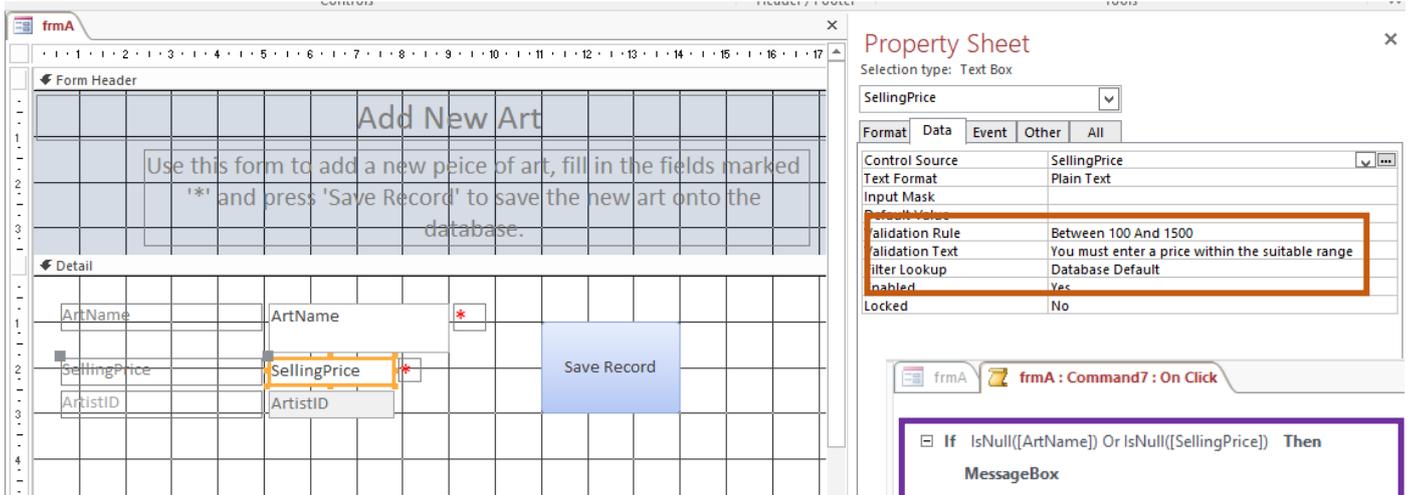
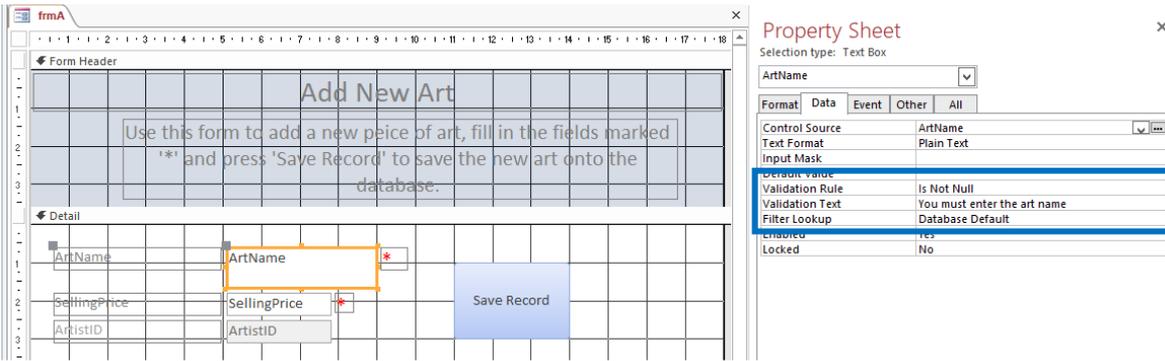
| | |
|---------------------|--|
| Title | The title is relevant to the purpose of the form |
| User aids | <ul style="list-style-type: none"> • There are instructions on how to use the form • There are asterisks showing where some of the data entry is required • However, it does not make sense to disable the ArtistID as the artist should be selected. Reasonable use of user aids |
| Labels | The labels are not suitable. No attempt has been made to aid readability of them |
| Field widths | None of the field widths are fully appropriate and the depth of the ArtName field is inappropriate. The SellingPrice and ArtistID are too wide. |
| Save button | There is a save button present |
| Overall | Overall, the appearance and potential ease of use is partially fit for purpose |

Trait 2 – Calculations and criteria

| | |
|------------------------|---|
| ArtID generated | Whist a save button can be seen the candidate has not included the ArtID field on the form. Further digging needs to be done to see whether this can be awarded. Checking the macro, a save command can be seen. The ArtID is an AutoNumber therefore it would increment automatically, and this can be classed as working. |
|------------------------|---|

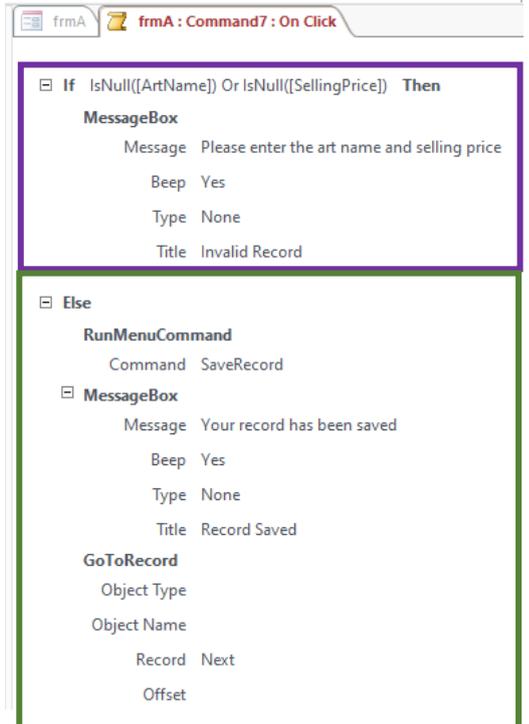
```

Else
    RunMenuCommand
        Command SaveRecord
    
```



Trait 3 – Validation and automation

| | |
|-------------------------------------|---|
| ArtID generated | The ArtID has been automatically generated (see Trait 2) |
| Opens at a new record | There is no evidence to suggest the form opens at a new record. The form view shows data already present and there is no macro/code/properties to suggest this has been done. |
| Presence check (min ArtName) | The candidate would not have achieved credit for this as it would not work. However, they have gone on to apply a presence check in their macro, which does include a suitable error message. This is fully working. |
| Range check on SellingPrice | A range check applied to the property of the field would be fine, however, the range is incorrect. |
| Save | A save command can be seen and a suitable save message. The form is cleared ready for the next record. The save is fully working as it does not take place independently of the If, statement i.e. there is an Else statement. The candidate is not being penalised again for the incorrect range. |



tblArt

DATE OF FILED RECORDS FIRST

Add an Artist Rating and Analyse Sales

Use this form to select an artist surname which will generate their information, Fill in all fields required marked with an '*'

Artist Surname: Gyrgorcewicz *

Artist Rating: 1

Artist Email: Gyrgorcewi@canru.com

Selling Price: 702

Highest Price Sold: 1498

Lowest Price Sold: 106

Total Amount Made: 114697

| Detail | |
|--------------------|----------------------|
| Artist Surname | ArtistSurname * |
| Artist Rating | ArtistRating |
| Artist Email | ArtistEmail |
| Form Footer | |
| Selling Price | SellingPrice |
| Highest Price Sold | =Max([SellingPrice]) |
| Lowest Price Sold | =Min([SellingPrice]) |
| Total Amount Made | =Sum([SellingPrice]) |

Trait 1 – Appearance and potential ease of use

| | |
|---------------------|---|
| Title | The title is relevant to the purpose of the form |
| User aids | There are instructions and an asterisk present. The candidate has not considered <ul style="list-style-type: none"> generated fields should be disabled the user should be able to select the artist and rating the rating is a required input |
| Labels | All the labels are suitable i.e., spaces where there is more than one word |
| Field widths | Only the artist surname field has a suitable width |
| Overall | Overall, the appearance and potential ease of use is partially fit for purpose considering the weakness mentioned. |

Trait 2 – Calculations and criteria

| | |
|-------------------------------|---|
| Artist link | All generated fields should link to the artist selected. The evidence can be classed as an attempt to link to the artist. This is because the form is bound . However, there is no method to select an artist, what you see is what you would get for that artist only. Changing the artist surname would not link to another artist, rather it would change the surname of the current artist. |
| Sold art link | There is no evidence to suggest this has been considered |
| Total number of pieces | There is no evidence to suggest this has been considered |
| Highest selling price | Max is a suitable method to find the highest price due to the form being bound |
| Lowest selling price | Min is a suitable method to find the highest price due to the form being bound |
| Total number sold | There is no evidence to support this |
| Total money (sales) | This can be classed as an attempt; Sum is appropriate due to the form being bound, however, there is no evidence to suggest this will return a total only for the art that has been sold |

Trait 3 – Validation and automation

| | |
|-------------------------------|---|
| Artist's email | The attempt to link was weak but enough to class this as displaying |
| Total number of pieces | There was no evidence to support this |
| Highest selling price | The calculation worked that is enough to say there is evidence to support this |
| Lowest selling price | The calculation worked that is enough to say there is evidence to support this |
| Total number sold | There is no evidence to support this |
| Total money (sales) | The attempt to link was reasonable, the calculation looked reasonable and data can be seen. This can be classed as displaying |
| Form refreshes | There is no evidence to suggest the form would refresh if another artist were selected |

| Trait | | | | Awarded | |
|-------|----|----|----|---------|------|
| 1 | 2 | 3 | 4 | Band | Mark |
| 2T | 3M | 3T | 3B | 3M | 9 |

| Comments | |
|----------------|---|
| Trait 1 | <p>The add user form is partially fit for purpose. The labels and field widths were weak.</p> <p>The analysis form was also partially fit for purpose. Title and labels were fine, there was at least one user aid and at least one field width appropriate.</p> <p>Best placed at the top of band 2</p> |
| Trait 2 | <p>The ArtID has been generated for the art form.</p> <p>The analysis form is weaker though there has been an attempt to link the fields to the artist (bound form but no method of selecting another artist), Min and Max used appropriately and an attempt at the total money (sales).</p> <p>Overall enough evidence to suggest mid mark band 3.</p> |
| Trait 3 | <p>Most of the automation and validation has been evidenced for the art form (opening at a new record missing, range check is not fully appropriate).</p> <p>Most of the automation and validation has been evidenced for the analysis form. Taking the attempts at the calculations into account and the fact that data could be seen on the form that looked reasonable (total pieces of art, number of pieces of art sold were missing, no evidence of the form refreshing)</p> <p>Best placed at the top of band 3.</p> |
| Trait 4 | Overall, based on the other three traits there is enough evidence to suggest the bottom of band 3. |
| Overall | Taking all traits into account the evidence sits best mid band 3. |

Example C

Trait 1 – Appearance and potential ease of use

| | |
|---------------------|--|
| Title | The title is relevant to the purpose of the form |
| User aids | There is one user aid present – the combo box for artist name |
| Labels | The labels are not suitable. No attempt has been made to aid readability of them |
| Field widths | The artist name field width is just about appropriate |
| Save button | There is a save button present |
| Overall | Overall, the appearance and potential ease of use is partially fit for purpose |

Trait 2 – Calculations and criteria

| | |
|------------------------|--|
| ArtID generated | Whilst a save button can be seen the candidate has not included the ArtID field on the form. Further digging needs to be done to see whether this can be awarded. Checking the macro, a save command can be seen. The ArtID is an AutoNumber therefore it would increment automatically, and this can be classed as working. |
|------------------------|--|

```
RunMenuCommand
Command SaveRecord
```

BTEC Unit 2 Creating Systems to Manage Information
January 2021
Activity 6 – Marking Guidance

The screenshot displays the Microsoft Access interface with three main components:

- Macro Editor (Left):** Shows a macro named 'FrmAddArt : cmdSave : On Click'. It includes an 'OnError' section with a 'Go to Next' action. A conditional execution block is defined: 'If [MacroError]<>0 Then', followed by a 'MessageBox' action with the message '[MacroError].[Description]', 'Beep' set to 'Yes', 'Type' set to 'None', and 'Title' set to 'SaveArt'. The block ends with 'End If'.
- Property Sheet (Top Right):** Shows the 'Data' tab for a 'Combo' control. The 'Control Source' is 'ArtistSurname'. The 'Row Source' is a SQL query: 'SELECT [tblArtist].[ArtistID], [tblArtist].[ArtistSurname] FROM tblArtist ORDER BY [ArtistSurname];'. The 'Bound Column' is '1', 'Limit To List' is 'Yes', and 'Allow Value List Editing' is 'No'.
- Property Sheet (Bottom Right):** Shows the 'Data' tab for a 'Text Box' control named 'SellingPrice'. The 'Control Source' is 'SellingPrice'. The 'Text Format' is 'Plain Text'. The 'Input Mask' is empty. The 'Default Value' is empty. The 'Validation Rule' is 'Is Not Null'. The 'Validation Text' is 'You must enter a piece of art!'. The 'Filter Lookup' is 'Database Default'. The 'Enabled' property is 'Yes' and 'Locked' is 'No'.

Trait 3 – Validation and automation

| | |
|-------------------------------------|---|
| ArtID generated | The ArtID has been automatically generated (see Trait 2) |
| Opens at a new record | The screenshot of the form in form view shows that the record is clear. This is enough to evidence the form opening at a new record. |
| Presence check (min ArtName) | There is no evidence to support a working presence check. A presence check added to the field's property is not suitable. |
| Range check on SellingPrice | There is evidence of the correct range and a (just about) suitable error message. The candidate has incorrectly used the range 1000 to 2000 in the error message. |
| Save | A save command can be seen and a message. However, the message is independent of the save command. This can be classed as working but not totally appropriate. |

Sales analysis and rating form

Trait 1 – Appearance and potential ease of use

| | |
|---------------------|--|
| Title | The title is relevant to the purpose of the form |
| User aids | There is only one user aid – the combo box to select the artist |
| Labels | There is an attempt to make the Artist's surname label readable but no attempt on the rest. |
| Field widths | The depth of the Artist's surname field is inappropriate. Some are ok. |
| Overall | Overall, the appearance and potential ease of use is partially fit for purpose considering the weakness mentioned. |

Trait 2 – Calculations and criteria

| | |
|--------------------------|--|
| Artist link | The form is bound so the email can be classed as a weak attempt to link the field to the Artist/ArtistID |
| Calculations etc. | There is no evidence to suggest anything else has been considered |

Trait 3 – Validation and automation

| | |
|----------------------------|--|
| Artist's email | The attempt to link was weak but enough to class this as displaying |
| Rest of the display | There is no evidence to support any further display of automated information |
| Form refreshes | There is no evidence to suggest the form would refresh if another artist were selected |

| Trait | | | | Awarded | |
|-------|----|----|----|---------|------|
| 1 | 2 | 3 | 4 | Band | Mark |
| 2T | 2B | 2M | 2B | 2M | 6 |

| Comments | |
|----------------|---|
| Trait 1 | <p>The add artist form is partially fit for purpose. There was only one user aid. The labels were not suitable and some of the field widths were weak. The form was partially fit for purpose.</p> <p>Best placed at the top of band 2.</p> |
| Trait 2 | <p>The ArtID has been generated for the art form.</p> <p>There was very little evidence to support this trait in terms of the analysis form. There was very weak evidence of the email linking to the artist.</p> <p>Overall enough evidence to suggest the bottom of band 2.</p> |
| Trait 3 | <p>The evidence was stronger for the art form though there were weaknesses – no working presence check, incorrect range used in the error message and the save message was independent of the save actions.</p> <p>Very little evidence in terms of the analysis form other than weak evidence to suggest the email address would display for a selected artist.</p> <p>Best placed mid mark band 2.</p> |
| Trait 4 | <p>Overall, based on the other three traits there is enough evidence to suggest the bottom of band 2.</p> |
| Overall | <p>Taking all traits into account the evidence sits best mid band 2.</p> |

Example D

Trait 1 – Appearance and potential ease of use

| | |
|---------------------|---|
| Title | The title is relevant to the purpose of the form |
| User aids | <ul style="list-style-type: none"> There are instructions on how to use the form There are asterisks showing where some of the data entry is required There is a drop down box to select the ArtistID and the candidate has shown the source of the combo box This candidate chose to include the status so this should have really been a combo too. The colour (blue) of the background of the disabled field makes it hard to determine whether it has been disabled or not |
| Labels | The labels are suitable in terms of readability |
| Field widths | The art name field can be classed as being an appropriate width |
| Save button | There is a save button present |
| Overall | Overall, the appearance and potential ease of use is partially fit for purpose |

Trait 2 – Calculations and criteria

| | |
|------------------------|--|
| ArtID generated | The ArtID and save button can be seen on the form – this is enough evidence to class the ArtID as being automatically generated. |
|------------------------|--|

Trait 3 – Validation and automation

McrSaveArt

```

If IsNull([Forms]![frmNewArt]![ArtName]) Then
    MsgBox
        Message Please enter an artists name
        Beep No
        Type Warning!
        Title ArtEmpty

Else If IsNull([Forms]![frmNewArt]![SellingPrice]) Then
    MsgBox
        Message Please enter a selling price
        Beep No
        Type Warning!
        Title PriceEmpty

Else If IsNull([Forms]![frmNewArt]![Combo22]) Then
    MsgBox
        Message Please select an artist from the list
        Beep No
        Type Warning!
        Title ArtistEmpty

Else If IsNull([Forms]![frmNewArt]![Status]) Then
    MsgBox
        Message Please enter the art satus
        Beep No
        Type Warning!
        Title StatusFmntv

Else
    RunMenuCommand
        Command SaveRecord
    MsgBox
        Message Saved Record
        Beep No
        Type Warning!
        Title Save

End If
    
```

| | |
|---|--|
| ArtID generated | The ArtID has been automatically generated (see Trait 2) |
| Opens at a new record | There is no data showing in the fields of the form so this can be classed as ready for data entry. |
| Presence check (min ArtName) | The candidate has applied a presence check in their macro, the error message is weak though – says artist not art name |
| Range check on SellingPrice Save | A range check applied to the property of the field and it does include a suitable error message |
| | A save command can be seen and a suitable save message. |
| | The save is fully working as it does not take place independently of the If, Else If statements i.e. there is an Else statement. |

Selection type: Text Box

SellingPrice

| Format | Data | Event | Other | All |
|-----------------|--|-------|-------|-----|
| Control Source | SellingPrice | | | |
| Text Format | Plain Text | | | |
| Input Mask | | | | |
| Default Value | | | | |
| Validation Rule | Between 100 And 2000 | | | |
| Validation Text | A piece of art can only be between £100 to £2000 | | | |
| Filter Lookup | Database Default | | | |
| Enabled | Yes | | | |
| Locked | No | | | |

Analysis of artist

Select an artist and information will appear underneath, then give a rating on this information.

ArtistID * ArtistRating *

| ArtistID | ArtistEmail | TotalArt | LowestPrice | HighestPrice | ArtSold | MoneyFromSales |
|----------|-------------|----------|-------------|--------------|---------|----------------|
| | | | | | | |

Record: 1 of 1 No Filter Search

Trait 1 – Appearance and potential ease of use

| | |
|---------------------|--|
| Title | The title is relevant to the purpose of the form |
| User aids | There are instructions and asterisks present for data entry. There are combo boxes to select the ArtistID and the ArtistRating It cannot be determined whether the generated fields are disabled |
| Labels | The labels do not aid readability |
| Field widths | The field widths are weak. |
| Overall | Overall, the appearance and potential ease of use is partially fit for purpose. There are weaknesses in the sub form e.g., ArtistID appearing again |

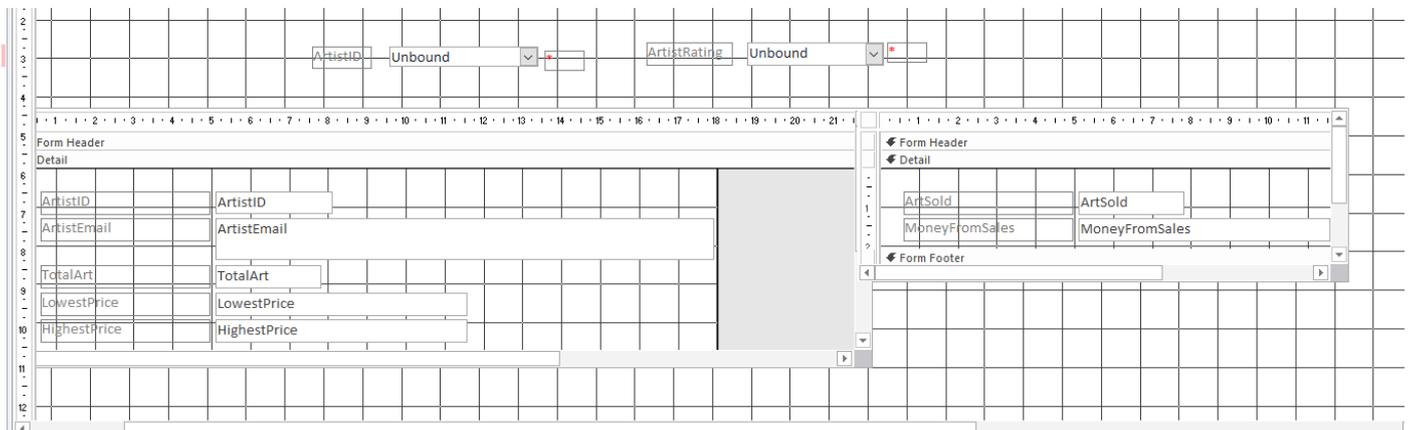
Analysis of artist

Select an artist and information will appear underneath, then give a rating on this information.

ArtistID * ArtistRating *

| ArtistID | ArtistEmail | TotalArt | LowestPrice | HighestPrice | ArtSold | MoneyFromSales |
|----------|----------------------|----------|-------------|--------------|---------|----------------|
| 1 | Gyrgorcowi@canru.com | 4 | £100.00 | £702.00 | 4 | £6,184.00 |

Record: 1 of 1 No Filter Search



BTEC Unit 2 Creating Systems to Manage Information
 January 2021
 Activity 6 – Marking Guidance

Query Type: frmAnalysisOfArtist, qryArtSold

| Field | Table | Total | Sort | Show | Criteria |
|---------------------|------------|------------|------|-------------------------------------|--|
| ArtistID | tblArtist | Group By | | <input checked="" type="checkbox"/> | [Forms]![frmAnalysisOfArtist]![Combo0] |
| ArtSold | tblArt | Count | | <input checked="" type="checkbox"/> | |
| Status | tblArt | Group By | | <input checked="" type="checkbox"/> | "Sold" |
| Count: SellingPrice | tblArt | Sum | | <input checked="" type="checkbox"/> | |
| MoneyFromSales | Expression | Expression | | <input checked="" type="checkbox"/> | FormatCurrency([ArtSold]*[Count]) |

| ArtistID | ArtSold | Status | Count | MoneyFromSales |
|----------|---------|--------|-------|----------------|
| | 4 | Sold | 1546 | £6,184.00 |

Query Type: frmAnalysisOfArtist, qryArtSold, qryTotalArt

| Field | Table | Total | Sort | Show | Criteria |
|--------------|------------|------------|------|-------------------------------------|--|
| ArtistID | tblArtist | Group By | | <input checked="" type="checkbox"/> | [Forms]![frmAnalysisOfArtist]![Combo0] |
| ArtistEmail | tblArtist | Group By | | <input checked="" type="checkbox"/> | |
| TotalArt | tblArt | Count | | <input checked="" type="checkbox"/> | |
| LowestPrice | Expression | Expression | | <input checked="" type="checkbox"/> | Min(FormatCurrency([SellingPrice])) |
| HighestPrice | Expression | Expression | | <input checked="" type="checkbox"/> | Max(FormatCurrency([SellingPrice])) |

| ArtistID | ArtistEmail | TotalArt | LowestPrice | HighestPrice |
|----------|----------------------|----------|-------------|--------------|
| | Gyrgorcewi@canru.com | 4 | £100.00 | £702.00 |

Control Source: Combo0

Row Source: SELECT [tblArtist].[ArtistID], [tblArtist].[ArtistSurname] FROM tblArtist;

Row Source Type: Table/Query

Row Source Columns: 1

Limit To List: No

Allow Value List Edits: Yes

List Items Edit Form: No

Inherit Value List: Yes

Show Only Row Source Value: No

Input Mask: (none)

Default Value: (none)

Validation Rule: (none)

Validation Text: (none)

Enabled: Yes

Locked: No

Auto Expand: Yes

Trait 2 – Calculations and criteria

| | |
|--------------------|--|
| Artist link | <p>All generated fields do link to the ArtistID. There is an ArtistID combo box (not very sensibly named as Combo0), the candidate has shown the source of this combo box.</p> <p>The first query shows that all the fields link to the combo box. The criteria is slightly truncated however, considering the datasheet view of the query and the data on the form it was enough to class this data as being linked.</p> <p>The second query shows that all the fields also link to the comb box.</p> |
|--------------------|--|

| | |
|-------------------------------|---|
| Sold art link | The first query also shows that only the Total money (sales) and Total number sold link to art that has been sold. |
| Total number of pieces | The second query clearly shows a suitable calculation and, whilst the source of the subform cannot be determined there is enough evidence to know that this is correct (name of the field in design view, name of the field in the query, results of the query and data shown in the form |
| Highest selling price | The second query shows a suitable calculation for the highest price. Same slight weakness as for the total number of pieces |
| Lowest selling price | The second query shows a suitable calculation for the highest price. Same slight weakness as for the total number of pieces |
| Total number sold | The first query shows a suitable calculation for the total number sold |
| Total money (sales) | The first query shows a suitable calculation for the total money (sales) |

Trait 3 – Validation and automation

| | |
|-------------------------------|--|
| Artist's email | The selected artist's email address displays |
| Total number of pieces | The TotalArt displays |
| Highest selling price | The HighestPrice displays |
| Lowest selling price | The LowestPrice displays |
| Total number sold | The ArtSold displays |
| Total money (sales) | The MoneyFromSales displays |
| Form refreshes | The candidate has included a screenprint showing a requery event taking place when the combo box is clicked. This will refresh the form. |

| Trait | | | | Awarded | |
|-------|----|----|----|---------|------|
| 1 | 2 | 3 | 4 | Band | Mark |
| 3M | 4T | 4T | 4M | 4M | 12 |

| Comments | |
|----------------|--|
| Trait 1 | <p>The add art form is partially fit for purpose. The weaknesses that it is unclear whether the ArtID has been disabled and the field widths.</p> <p>The analysis form is also partially fit for purpose – though is weaker than the art form in that it cannot be determined whether the generated fields are disabled, the labels do not aid readability and some of the field widths are weak.</p> <p>Enough evidence for the middle of band 3.</p> |
| Trait 2 | <p>The ArtID has been generated for the art form.</p> <p>All the criteria/calculations are present on the analysis form.</p> <p>Enough evidence for the top of band 4.</p> |
| Trait 3 | <p>All the automation and validation has been evidenced for the art form.</p> <p>All the automation is evidenced for the analysis form.</p> <p>Enough evidence for the top of band 4.</p> |
| Trait 4 | Overall, based on the other three traits there is enough evidence to suggest the middle of band 4. |
| Overall | Taking all traits into account mid mark band 2 is appropriate. |