

Unit 2 Creating Systems to Manage Information 2019



Level 3 National in Information Technology

Additional Sample Assessment Material

Part B Example Solution

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Introduction

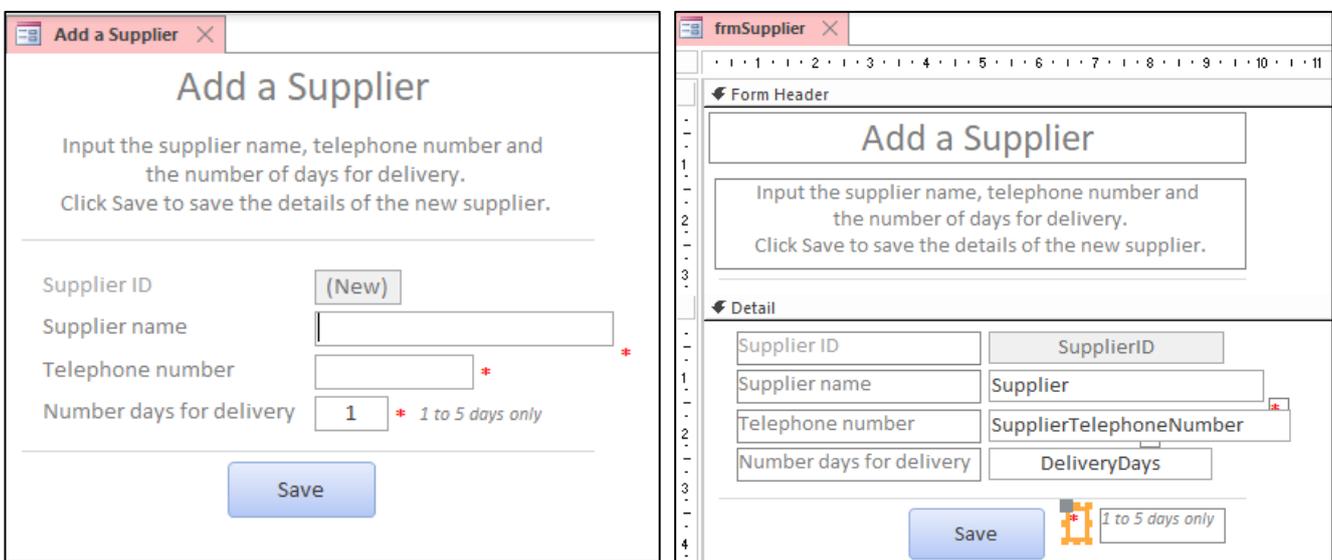
This solution shown is **one** example only. It is important to read the guidance with each activity. No assumption is made that a method that differs from the solution shown is incorrect.

Activity 6 Forms

Create an efficient interface that will facilitate database input by producing:

- (i). an input form to add a supplier.
 - The form should be ready for data entry.
 - The supplier’s name, telephone number and number of days for delivery must be present.
 - The number of days for delivery must be within the specified range.
 - Valid data should be appended to the supplier table and a save message displayed.
 - A suitable error message should appear where invalid data has been used.

Example 1 Supplier Form



Form	
Format	Data
Record Source	tblSuppli
Recordset Type	Dynaset
Fetch Defaults	Yes
Filter	
Filter On Load	No
Order By	
Order By On Load	Yes
Wait for Post Processing	No
Data Entry	Yes

```

Private Sub cmdSave_Click()
    If IsNull(Supplier) Then
        MsgBox "You must enter a supplier name", vbOKOnly
    ElseIf IsNull(SupplierTelephoneNumber) Then
        MsgBox "You must enter the supplier telephone number", vbOKOnly
    ElseIf IsNull(DeliveryDays) Or DeliveryDays < 1 Or DeliveryDays > 5 Then
        MsgBox "The delivery days must be from 1 to 5 days", vbOKOnly
    Else
        DoCmd.Save
        DoCmd.GoToRecord , , acNewRec
        MsgBox "The supplier details have been saved", vbOKOnly
    End If
End Sub
    
```


Example 1 Delivery Form

- (ii). input form to add product deliveries.
- The form should not include validation for any fields.
 - The form should not include an automated routine to save the data.
 - The user should be able to select the product and input the number that has been delivered.
 - These details should then be displayed:
 - the cost price for the product
 - the selling price for the product
 - the current number in stock.
 - These details should then be calculated and displayed:
 - the new number in stock
 - the overall cost for the products
 - the overall sales value.

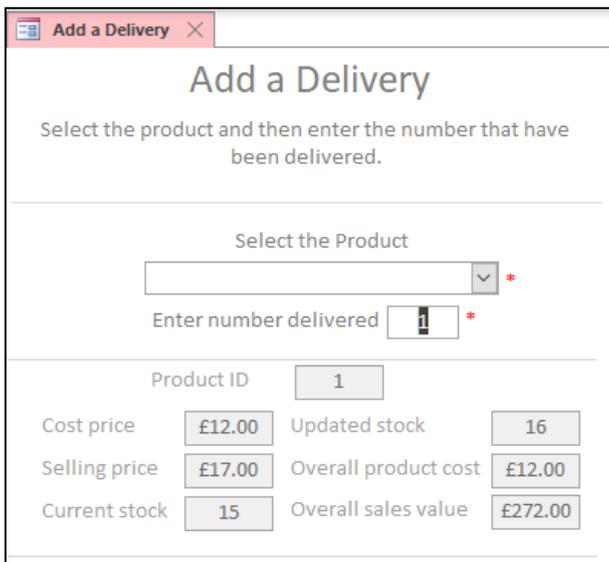
This example uses an unbound form.

The control source of the product combo box is these fields from the product table: ProductID, ProductDescription, CostPrice, SellingPrice, NumberInStock. All but the description has been hidden in the combo.

The fields for Cost Price, Selling Price and Current Stock have been set to the relevant hidden column in the combo box.

Calculations have been added.

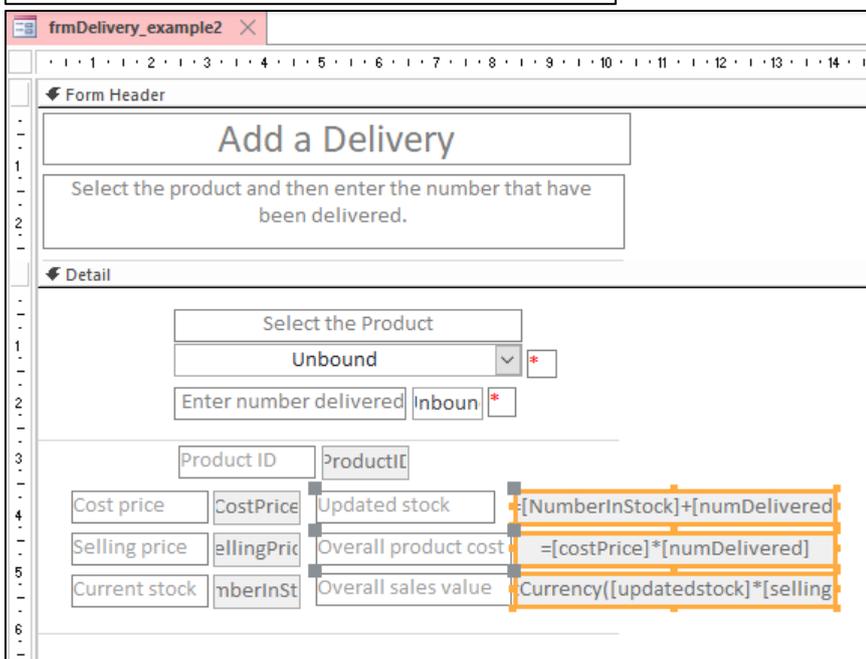
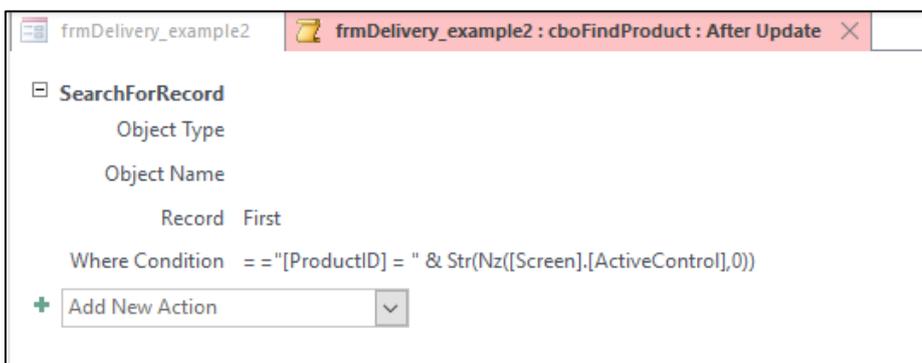
Example 2 Delivery Form



This example uses a bound form and a combo box drawn using the wizard to find a product.

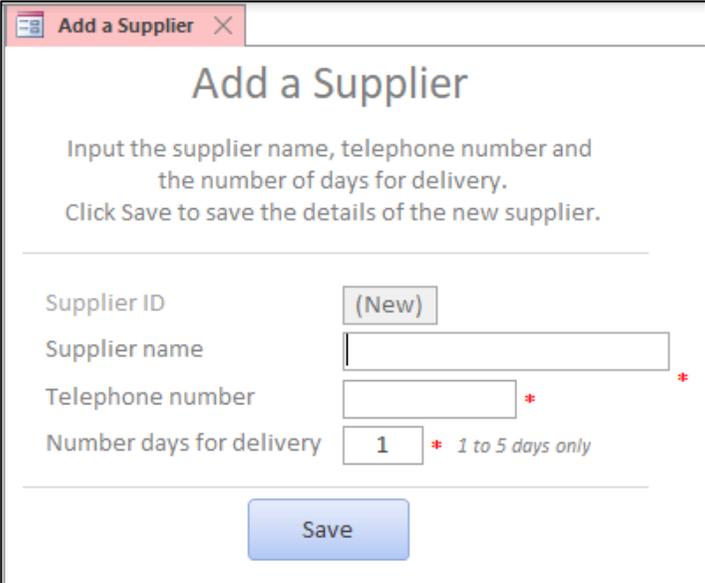
The automatically generated macro has been shown at the bottom of the page.

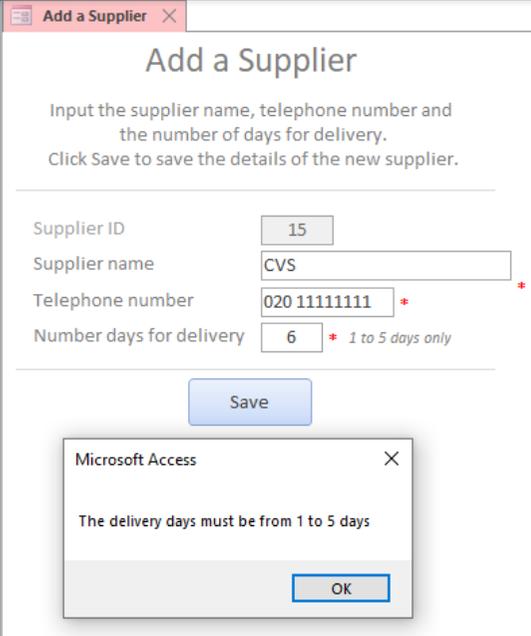
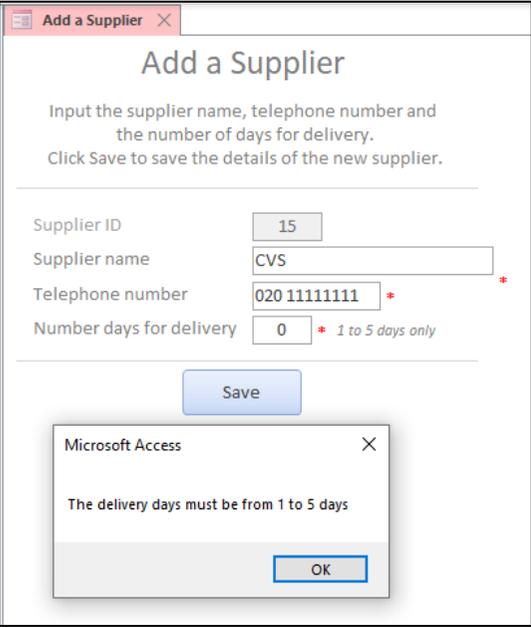
Calculations were added.

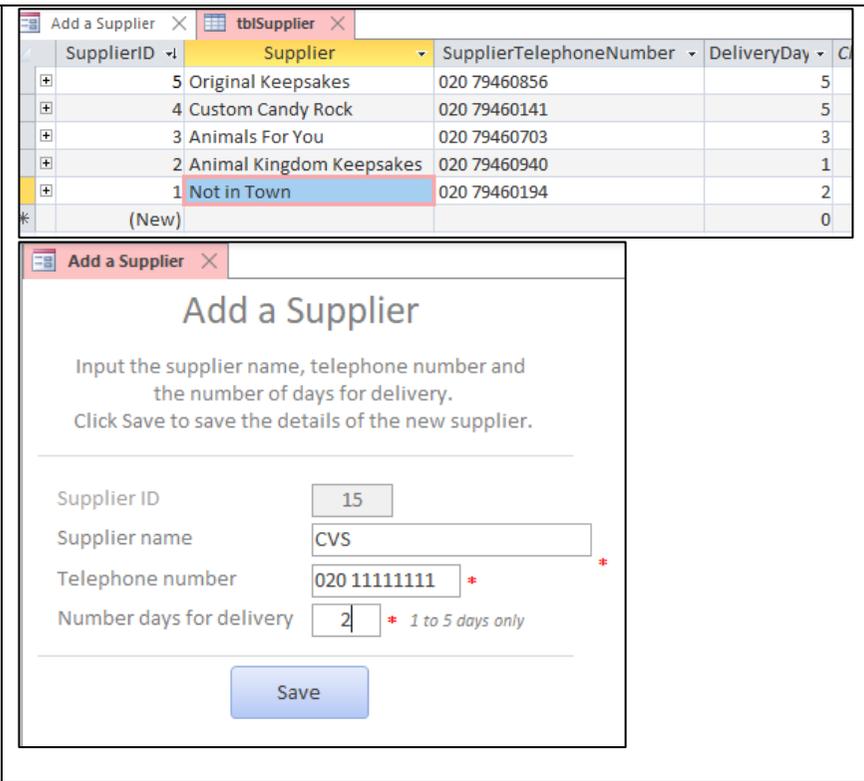



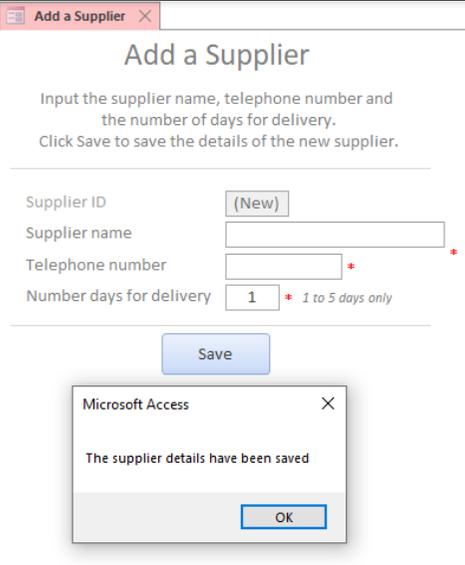
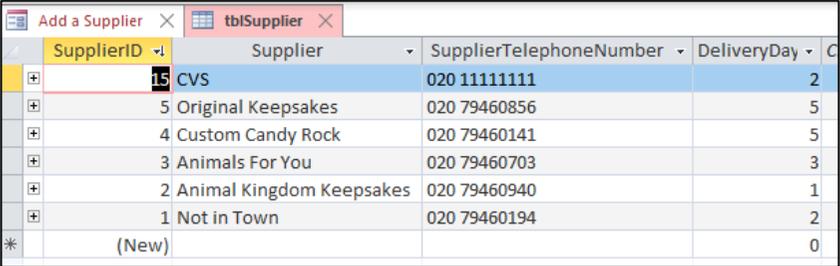
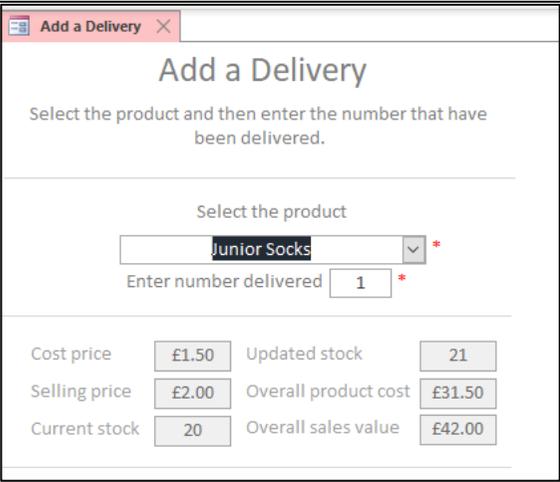
Activity 7 - Testing

Screenprints may be on the small side here. Learners can put the screenshots after the table or use A3.

Test No	type test	Add suitable test data	Add the results you would expect to get from a fully working system	Add screenprint(s) of the results of this test carried out on your database. Ensure you show the test data used in the screenprint(s)	Only complete this column if the results are not as expected <ul style="list-style-type: none"> • Explain the error If you correct the error explain how you have done it including a screenprint
1	N	Open form	Form to open at a new record. Number days for delivery to default to 1		

2	X	SupplierID: Autonumber Supplier: CVS SupplierTelephoneNumber: 020 11111111 daysDelivery: 6	Error message to be displayed saying	 <p>The screenshot shows the 'Add a Supplier' form with the following fields: Supplier ID (15), Supplier name (CVS), Telephone number (020 11111111), and Number days for delivery (6). A red asterisk is next to the telephone number field. A 'Save' button is visible. A 'Microsoft Access' dialog box is overlaid on the form, displaying the message: 'The delivery days must be from 1 to 5 days' with an 'OK' button.</p>		
3	X	SupplierID: Autonumber Supplier: CVS SupplierTelephoneNumber: 020 11111111 DaysDelivery: 0	Error message to be displayed saying	 <p>The screenshot shows the 'Add a Supplier' form with the following fields: Supplier ID (15), Supplier name (CVS), Telephone number (020 11111111), and Number days for delivery (0). A red asterisk is next to the telephone number field. A 'Save' button is visible. A 'Microsoft Access' dialog box is overlaid on the form, displaying the message: 'The delivery days must be from 1 to 5 days' with an 'OK' button.</p>		

4	N	SupplierID: Autonumber Supplier: CVS SupplierTelephoneNumber: 020 11111111 daysDelivery: 2		 <p>The screenshot displays two windows from a web application. The top window, titled 'Add a Supplier', shows a table with the following data:</p> <table border="1"> <thead> <tr> <th>SupplierID</th> <th>Supplier</th> <th>SupplierTelephoneNumber</th> <th>DeliveryDay</th> </tr> </thead> <tbody> <tr> <td>5</td> <td>Original Keepsakes</td> <td>020 79460856</td> <td>5</td> </tr> <tr> <td>4</td> <td>Custom Candy Rock</td> <td>020 79460141</td> <td>5</td> </tr> <tr> <td>3</td> <td>Animals For You</td> <td>020 79460703</td> <td>3</td> </tr> <tr> <td>2</td> <td>Animal Kingdom Keepsakes</td> <td>020 79460940</td> <td>1</td> </tr> <tr> <td>1</td> <td>Not in Town</td> <td>020 79460194</td> <td>2</td> </tr> <tr> <td>(New)</td> <td></td> <td></td> <td>0</td> </tr> </tbody> </table> <p>The bottom window, also titled 'Add a Supplier', is a form for adding a new supplier. It contains the following fields and values:</p> <ul style="list-style-type: none"> Supplier ID: 15 Supplier name: CVS Telephone number: 020 11111111 * Number days for delivery: 2 * 1 to 5 days only <p>A 'Save' button is located at the bottom of the form.</p>	SupplierID	Supplier	SupplierTelephoneNumber	DeliveryDay	5	Original Keepsakes	020 79460856	5	4	Custom Candy Rock	020 79460141	5	3	Animals For You	020 79460703	3	2	Animal Kingdom Keepsakes	020 79460940	1	1	Not in Town	020 79460194	2	(New)			0	
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(New)			0																														

				 	
5&6	N	Product: Junior Socks Number Delivered: 10	Cost Price: £1.50 Selling Price: £2.00 Current Stock: 20 Updated Stock: 30 Overall product cost: £45.00 Overall sales value: £60.00		

Activity 8 – Evaluation

No evaluation example included as these can end up becoming the 'only way' candidates evidence this activity.