# Unit 2 Creating Systems to Manage Information 2019

BTEC

# 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.

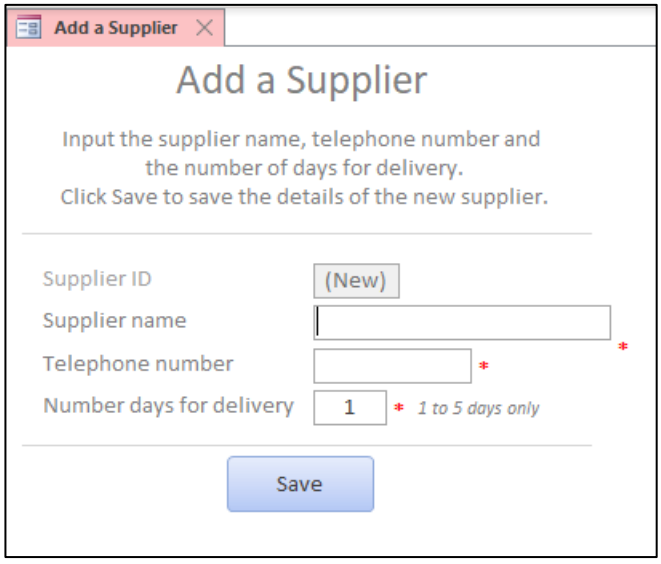
# Activity 6 Forms

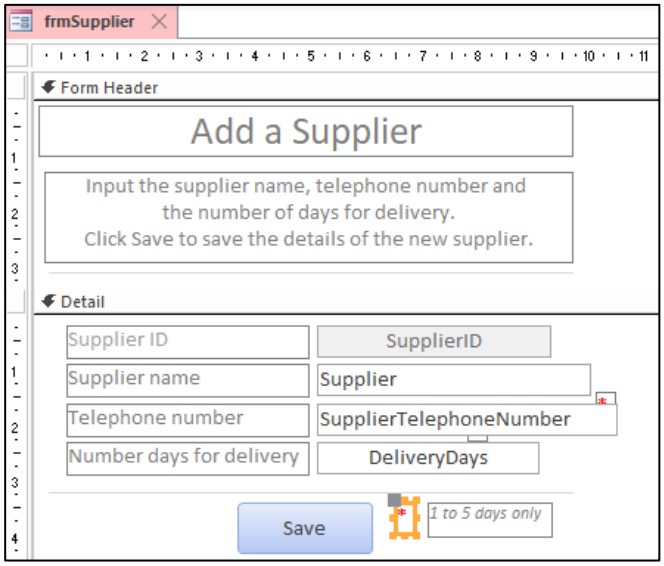
Create an efficient interface that will facilitate database input by producing:

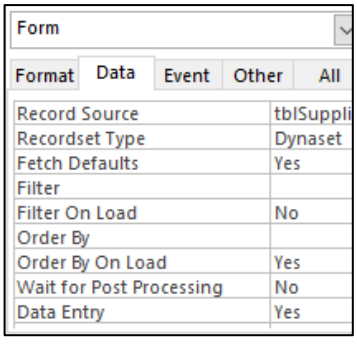
(i). an input form to add a supplier.

- 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*

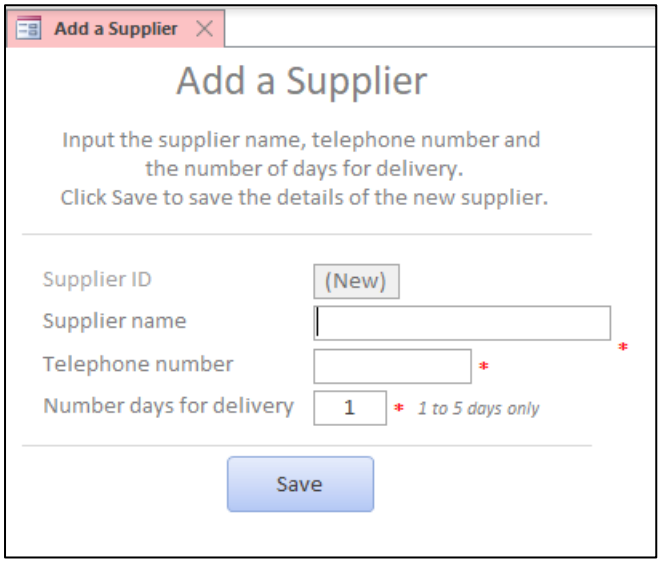


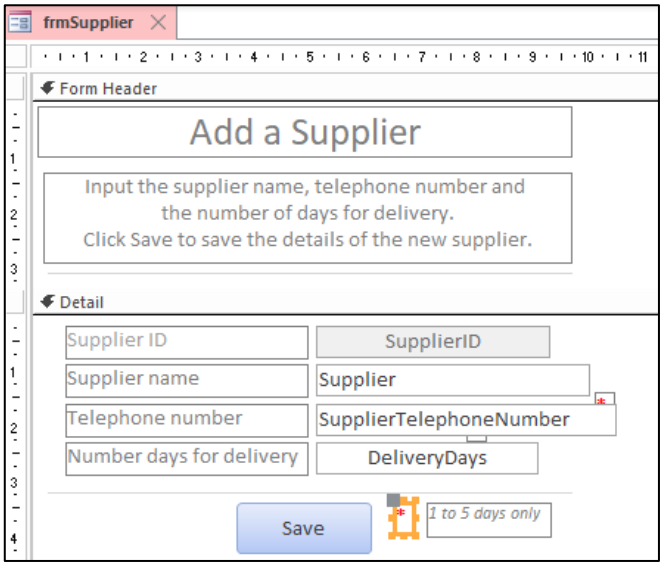



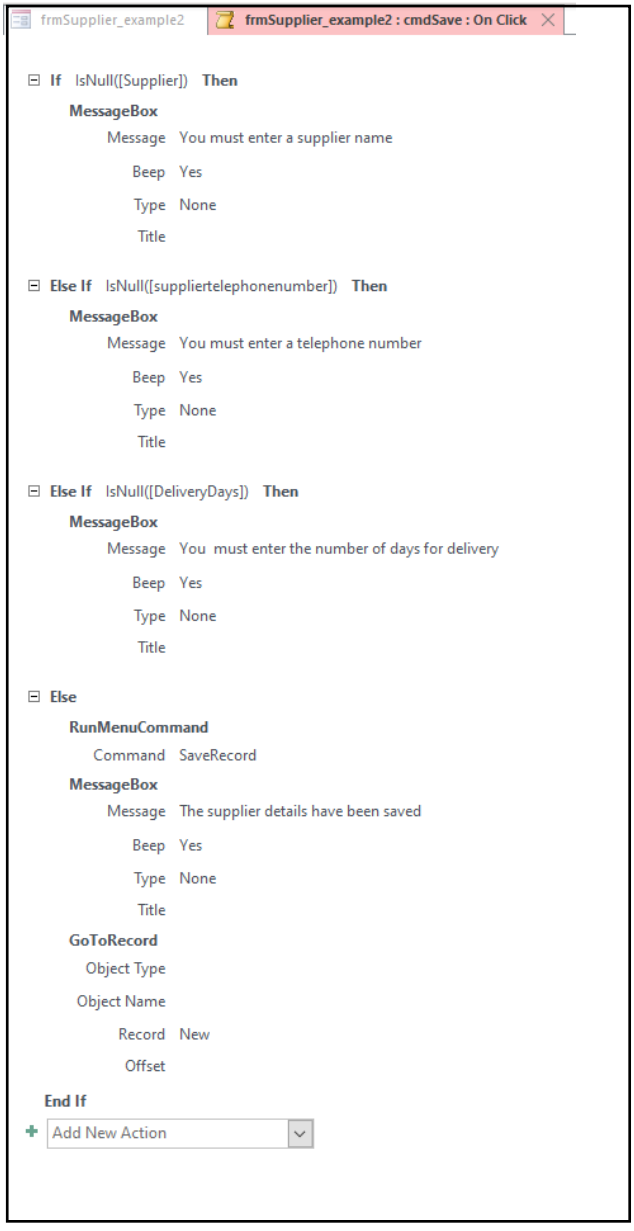



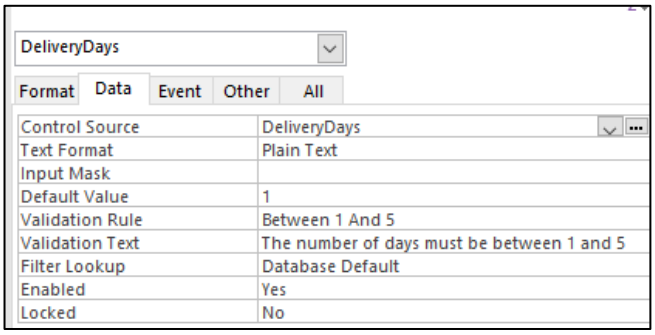

```
Private Sub cmdSave_Click()
    If IsNull(Supplier) Then
        MsgBox "You must enter a supplier name", vbOKOnly
    ElseIf IsNull(SupplierTelephoneNumber) Then
        MsgBox "You must enter the supplier telephone number", vbOKOnly
    ElseIf IsNull(DeliveryDays) Or DeliveryDays < 1 Or DeliveryDays > 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 2 Supplier Form*



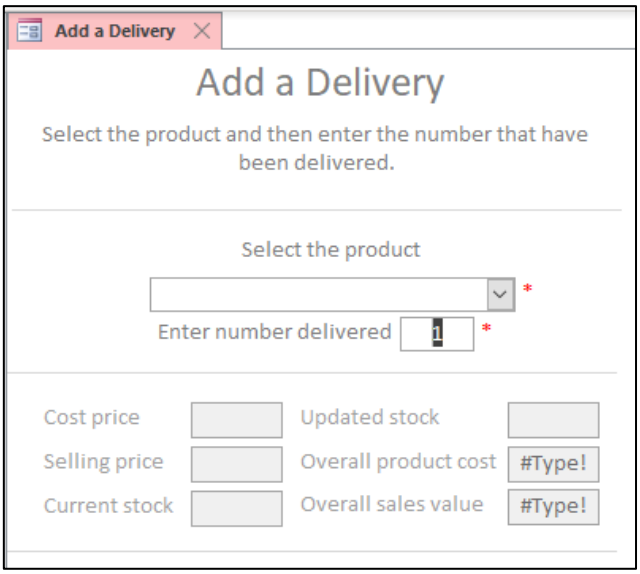



## *Example 1 Delivery Form*

(ii). input form to add product deliveries.

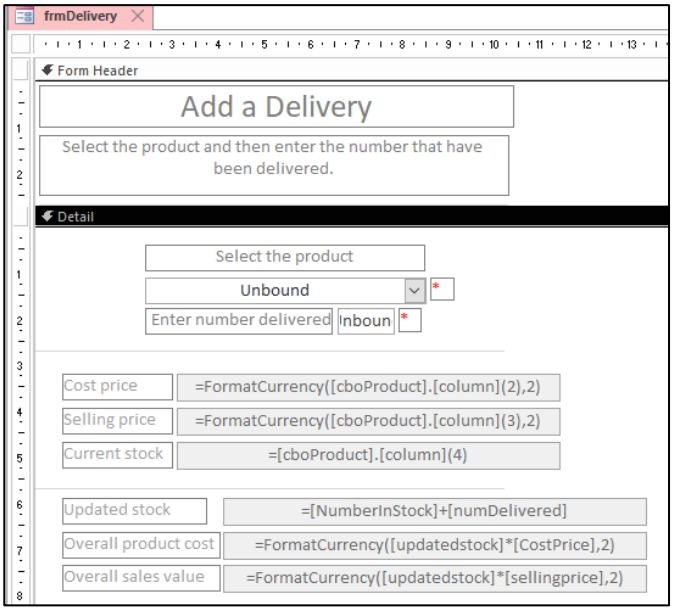
- The form should not include validation for any fields.
- The form should not include an automated routine to save the data.
- The user should be able to select the product and input the number that has been delivered.
- These details should then be displayed:
  - the cost price for the product
  - 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.



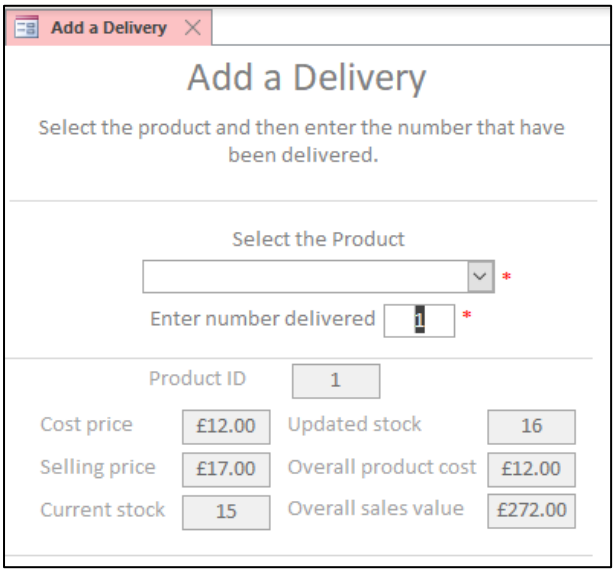

This example uses an unbound form.

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.



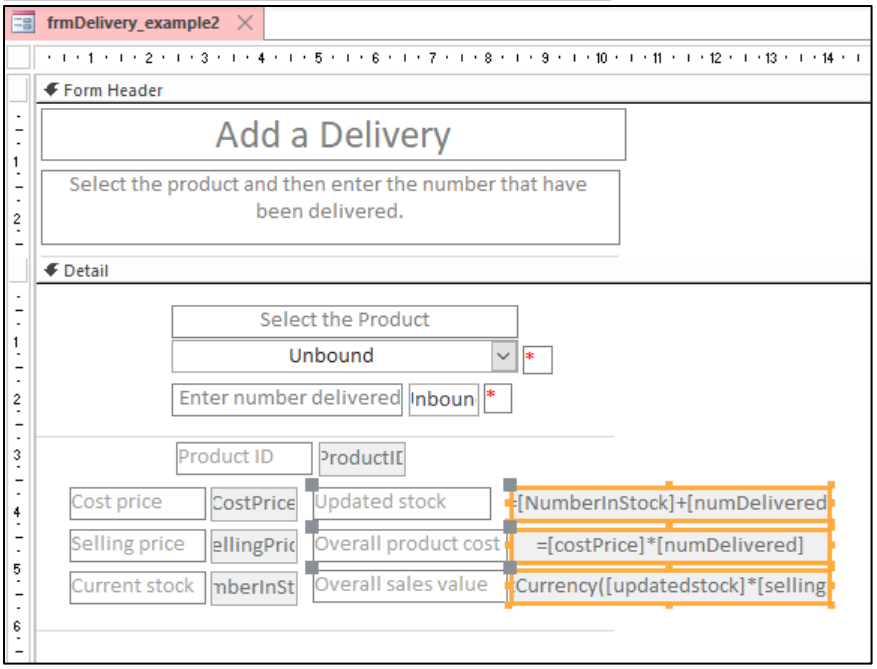
## *Example 2 Delivery Form*

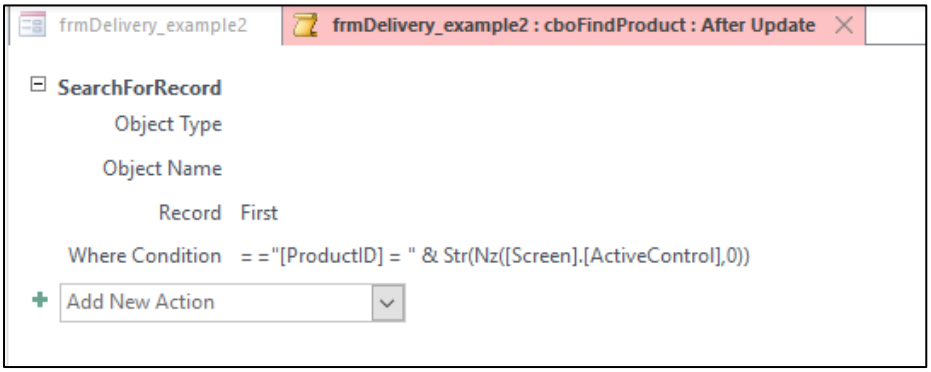



This example uses a bound form and a combo box drawn using the wizard to find a product.

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

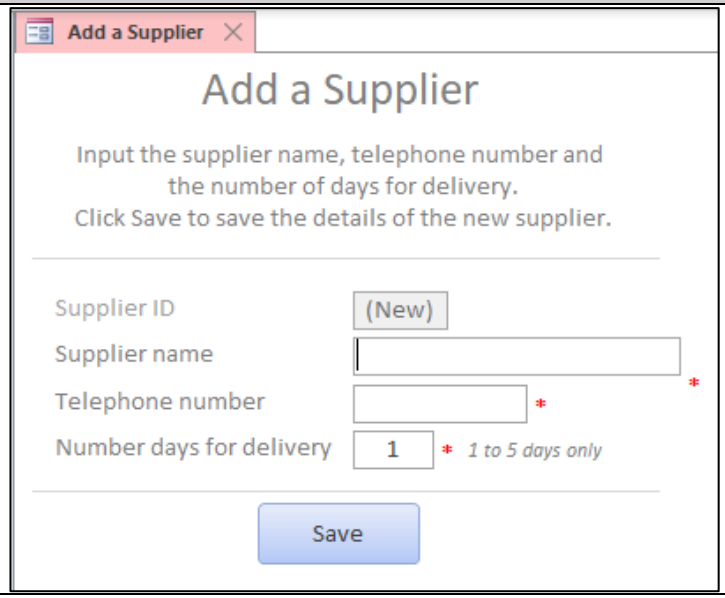
Calculations were added.

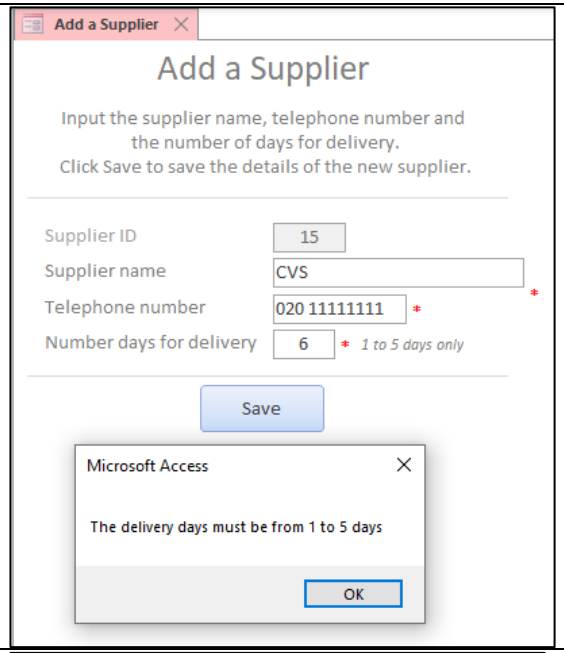
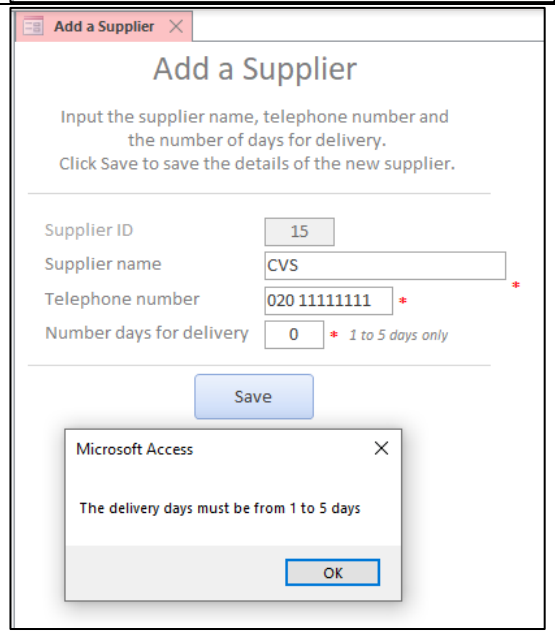


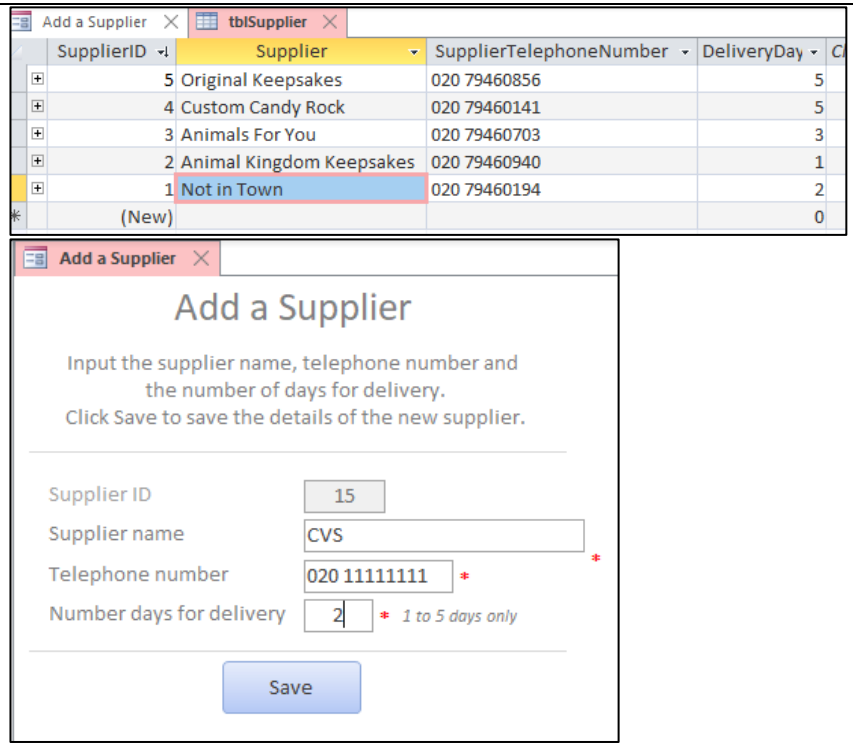



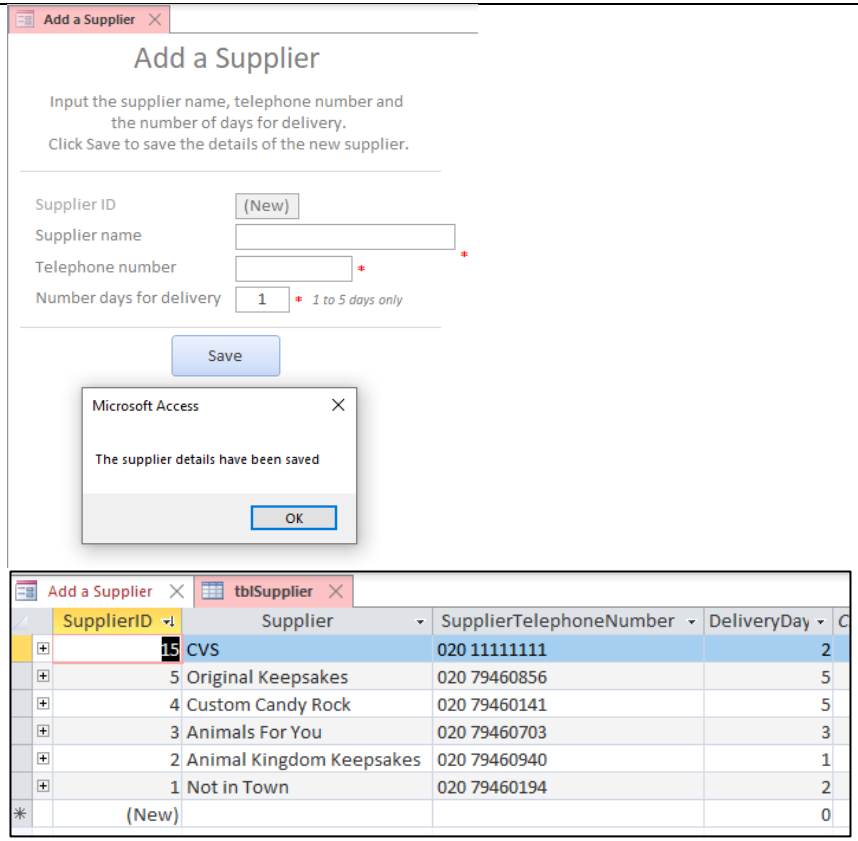
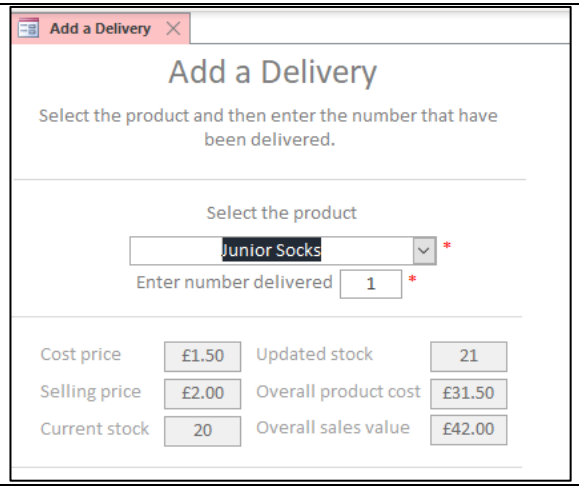
# Activity 7 - Testing

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*<br><br>• *Explain the error*<br>*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.<br>Number days for delivery to default to 1 |  | |

| | | | | | |
|---|---|---|---|---|---|
| 2 | X | SupplierID: Autonumber<br>Supplier: CVS<br>SupplierTelephoneNumber: 020 11111111<br>daysDelivery: 6 | Error message to be displayed saying |  | |
| 3 | X | SupplierID: Autonumber<br>Supplier: CVS<br>SupplierTelephoneNumber: 020 11111111<br>DaysDelivery: 0 | Error message to be displayed saying |  | |

| | | | | | |
|---|---|---|---|---|---|
| 4 | N | SupplierID: Autonumber<br>Supplier: CVS<br>SupplierTelephoneNumber: 020 11111111<br>daysDelivery: 2 | |  | |

| | | | | | |
|---|---|---|---|---|---|
| | | | |  | |
| 5&6 | N | Product: Junior Socks<br>Number Delivered: 10 | Cost Price: £1.50<br>Selling Price: £2.00<br>Current Stock: 20<br>Updated Stock: 30<br>Overall product cost: £45.00<br>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.