

# **Unit 2 Creating Systems to Manage Information 2019**



**Level 3 National in  
Information Technology**

**Additional Sample Assessment  
Material**

**Part B  
Example Solution**

## Contents

Introduction .....	3
Activity 6 Forms.....	3
Example 1 Supplier Form.....	3
Example 2 Supplier Form.....	4
Example 1 Delivery Form.....	5
Example 2 Delivery Form.....	6
Activity 7 - Testing .....	7
Activity 8 – Evaluation .....	11

# 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

Add a Supplier

## Add a Supplier

Input the supplier name, telephone number and the number of days for delivery.

Click Save to save the details of the new supplier.

Supplier ID

(New)

Supplier name

Telephone number

Number days for delivery

1

Save

frmSupplier

Form Header

## Add a Supplier

Input the supplier name, telephone number and the number of days for delivery.

Click Save to save the details of the new supplier.

Detail

Supplier ID

SupplierID

Supplier name

Supplier

Telephone number

SupplierTelephoneNumber

Number days for delivery

DeliveryDays

Save

The screenshot shows the Access database interface. On the left, the 'tblSupplier' table is selected, showing its structure with fields: Record Source, Recordset Type, Fetch Defaults, Filter, Filter On Load, Order By, Order By On Load, Wait for Post Processing, and Data Entry. The 'Record Source' is 'tblSupplier', 'Recordset Type' is 'Dynaset', 'Fetch Defaults' is 'Yes', 'Filter' is empty, 'Filter On Load' is 'No', 'Order By' is empty, 'Order By On Load' is 'Yes', 'Wait for Post Processing' is 'No', and 'Data Entry' is 'Yes'.

On the right, the VBA code for the 'cmdSave\_Click()' event is displayed:

```
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

**Add a Supplier**

Input the supplier name, telephone number and the number of days for delivery.  
Click Save to save the details of the new supplier.

---

Supplier ID

Supplier name

Telephone number

Number days for delivery  \* 1 to 5 days only

**frmSupplier**

Form Header

**Add a Supplier**

Input the supplier name, telephone number and the number of days for delivery.  
Click Save to save the details of the new supplier.

---

Detail

Supplier ID	SupplierID
Supplier name	Supplier
Telephone number	SupplierTelephoneNumber
Number days for delivery	DeliveryDays

frmSupplier\_example2

frmSupplier\_example2 : cmdSave : On Click

**If** IsNull([Supplier]) **Then**

**MessageBox**

Message You must enter a supplier name

Beep Yes

Type None

Title

**Else If** IsNull([suppliertelephonenumber]) **Then**

**MessageBox**

Message You must enter a telephone number

Beep Yes

Type None

Title

**Else If** IsNull([DeliveryDays]) **Then**

**MessageBox**

Message You must enter the number of days for delivery

Beep Yes

Type None

Title

**Else**

**RunMenuCommand**

Command SaveRecord

**MessageBox**

Message The supplier details have been saved

Beep Yes

Type None

Title

**GoToRecord**

Object Type

Object Name

Record New

Offset

**End If**

+ Add New Action

**DeliveryDays**

Format Data Event Other All

Control Source	DeliveryDays
Text Format	Plain Text
Input Mask	
Default Value	1
Validation Rule	Between 1 And 5
Validation Text	The number of days must be between 1 and 5
Filter Lookup	Database Default
Enabled	Yes
Locked	No

## 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

**Add a Delivery**

Select the product and then enter the number that have been delivered.

Select the Product

Enter number delivered

Product ID: 1

Cost price: £12.00    Updated stock: 16

Selling price: £17.00    Overall product cost: £12.00

Current stock: 15    Overall sales value: £272.00

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.

**frmDelivery\_example2**

**Add a Delivery**

Select the product and then enter the number that have been delivered.

Select the Product

Unbound

Enter number delivered

Product ID: 1

Cost price: £12.00    Updated stock: 16

Selling price: £17.00    Overall product cost: £12.00

Current stock: 15    Overall sales value: £272.00

**frmDelivery\_example2 : cboFindProduct : After Update**

**SearchForRecord**

Object Type: Form

Object Name: cboFindProduct

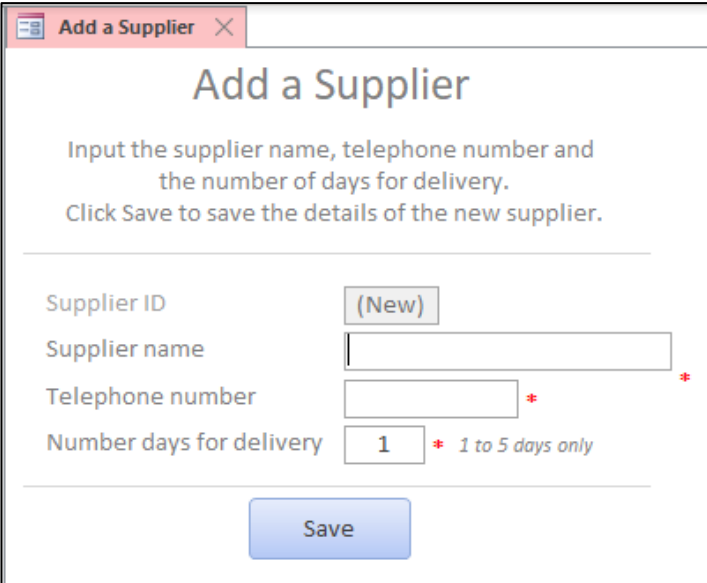
Record: First

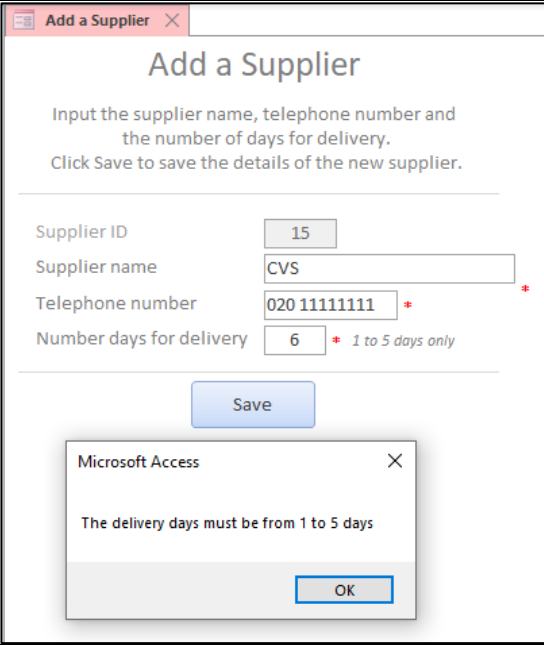
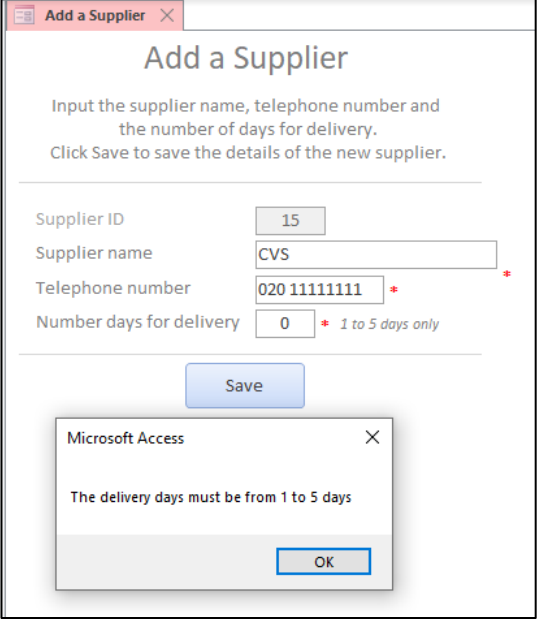
Where Condition: =[ProductID] = ' & Str(Nz([Screen].[ActiveControl],0))

+ Add New Action

## 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  • 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			
3	X	SupplierID: Autonumber Supplier: CVS SupplierTelephoneNumber: 020 11111111 DaysDelivery: 0	Error message to be displayed saying			



4

N

SupplierID: Autonumber  
Supplier: CVS  
SupplierTelephoneNumber:  
020 11111111  
daysDelivery: 2

Add a Supplier

tblSupplier

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

Add a Supplier

Add a Supplier

Input the supplier name, telephone number and the number of days for delivery.  
Click Save to save the details of the new supplier.

Supplier ID

15

Supplier name

CVS

Telephone number

020 11111111

Number days for delivery

2

Save



## **Activity 8 – Evaluation**

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