MultiSelectListboxSelectForm

(Q) I have a listbox control (might be **MultiSelect**) on my form. I want to pass the selected items to select the data listed in a gridcontrol on the same form. How do I do this?

tags:
  HowTo

(R) The criteria must be built as a character string and passed to the **RecordSource** of the form.

Assuming next tables:

- Suppliers table

Fields	Field Type	Primary
Address	Text	
City	Text	
ComanyName	Text	
ContactName	Text	
ContactTitle	Text	
Country	Text	
Fax	Text	
HomePage	Text	
Phone	Text	
PostalCode	Text	
Region	Text	
SupplierID	BigInt	Y

- Products table

Fields	Field Type	Primary
CategoryID	BigInt	
ProductName	Text	
QuantityPerUnit	Text	
ReorderLevel	Integer	
SupplierID	BigInt	
UnitPrice	Number	
UnitsInStock	Integer	
UnitsOnOrder	Integer	
Discontinued	Boolean	
ProductID	BigInt	Y
Picture	Image	

and a form

- bound to the Table "Products"

- containing an unbound listbox having as data source

```
                    SELECT "CompanyName" FROM "Suppliers" ORDER BY "CompanyName" ASC
```

(1) Solution for MultiSelect = No listbox

We make the *Changed* event of the listbox control triggering next code:

```
Sub SyncFormListBoxMono(poEvent As Object)

Dim oEvent As Object, ocList As Object, oForm As Object
Dim sSupplier As String, lSupplier As Long

        Set oEvent = Events(poEvent)
        Set ocList = oEvent.Source                          '           Retrieve listbox obje
        Set oForm = ocList.Parent                           '           Retrieve parent form
        sSupplier = Join(Split(ocList.Value, "'"), "''")    '           For the case the compa
        lSupplier = DLookup("[SupplierID]", "[Suppliers]", "[CompanyName]='" & sSupplier & "'
        oForm.RecordSource = "SELECT [SupplierID], [ProductID], [ProductName], [UnitPrice] FR

End Sub
```

This will produce the requested effect.

(2) Solution for MultiSelect = Yes listbox

A first variant is when the listbox is defined with MultiSelection = Yes

```
Sub SyncFormListBoxMulti(poEvent As Object)

Dim oEvent As Object, ocList As Object, oForm As Object
Dim sSupplier As String, lSupplier As Long, i As Integer, sSQL As String
Const cstCriteria = " OR [SupplierID]="

        Set oEvent = Events(poEvent)
        Set ocList = oEvent.Source                          '           Retrieve listbox obje
        Set oForm = ocList.Parent                           '           Retrieve parent form
        sSQL = "SELECT [SupplierID], [ProductID], [ProductName], [UnitPrice] FROM [Products] 
        For i = 0 To UBound(oclist.Selected)
                If ocList.Selected(i) Then
                        sSupplier = Join(Split(ocList.ItemData(i), "'"), "''")  '       For t
                        lSupplier = DLookup("[SupplierID]", "[Suppliers]", "[CompanyName]='" &
                        sSQL = sSQL & lSupplier & cstCriteria
                End If
        Next i
        oForm.RecordSource = Left(sSQL, Len(sSQL) - Len(cstCriteria))   '       Trim SQL phras

End Sub
```

(3) Solution with form filtering

Another variant is to use a filter. This lets the user the freedom to cancel the filtering option or to filter the data independently from the listbox. This freedom can be desired by the developer or not. MultiSelection is presumed False in the example:

```
Sub SyncFormListBoxFilter(poEvent As Object)

Dim oEvent As Object, ocList As Object, oForm As Object
Dim sSupplier As String, lSupplier As Long
```

```
        Set oEvent = Events(poEvent)
        Set ocList = oEvent.Source                         '        Retrieve listbox obje
        Set oForm = ocList.Parent                          '        Retrieve parent form
        sSupplier = Join(Split(ocList.Value, "'"), "''")   '        For the case the comp
        lSupplier = DLookup("[SupplierID]", "[Suppliers]", "[CompanyName]='" & sSupplier & "'
        oForm.Filter = "[SupplierID]=" & lSupplier
        oForm.FilterOn = True

End Sub
```

See also

getObject
Events Handler
Filter
Parent
RecordSource

Refer to ...

Solution	Basic module	Form	Form event	Control	Control event	Comments
(1)	ListBox	Products_ListBoxFilter		SuppliersListBoxMono	Changed	
(2)				SuppliersListBoxMulti		

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