

Re: use a list with checkboxes to select categories

Source: <http://www.tech-archive.net/Archive/Access/microsoft.public.access.forms/2005-03/1984.html>

From: Dirk Goldgar (*dg_at_NOdataSPAMgnostics.com*)

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"JimBartlett" <JimBartlett@discussions.microsoft.com> wrote in message news:EF32D30A-D3CD-4AE0-A698-A32D19BD74C0@microsoft.com

> *Thanks for your help. I had pretty much decided that I would need an*
> *"In between" table but haven't figured out how to make it work the way*
> *I want it to. I am not necessarily married to the checkbox idea,*
> *highlighting would be OK and would be even better if the selected*
> *items were at the top of the list when the vendor record was reopened.*

>

> *Thanks again.*

> *Jim*

>

> *"Dirk Goldgar" wrote:*

>

>> *"Jim Bartlett" <Jim.Bartlett@sbcglobal.net> wrote in message*

>> *news:0e5701c51d1f\$8c41a070\$a501280a@phx.gbl*

>>> *I am writing a db for jewelry vendors. I want to*

>>> *categorize the vendors by the type of items they sell.*

>>> *Ex:*

>>> *Bobs Jewelry - Watches*

>>> *Franks Jewelry - Gold, Chains, Wedding Bands*

>>> *Marys Jewelry - Diamonds, Rubies, Sapphires*

>>>

>>> *I have the vendor table and a Vendor Type table. The*

>>> *Vendor type table has KEY, YES/NO, Type fields with the*

>>> *data Watches,Gold,Chains,Wedding*

>>> *Bands,Diamonds,Rubies,Sapphires etc.*

>>>

>>> *1. I want to select the items by checkbox*

>>> *2. save them to the vendor record*

>>> *3. when I open the vendor record, I want all types to*

>>> *show with the saved types checked and the others unchecked*

>>

>> *I think you really need three tables:*

>>

>> *Vendors*

>> *VendorID (primary key)*

>> *VendorName*

>> *(other fields ...)*
>>
>> *MerchandiseTypes*
>> *MerchandiseID (primary key)*
>> *MerchandiseDescription*
>> *(other fields ...)*
>>
>> *VendorsMerchandise*
>> *VendorID (compound primary key)*
>> *MerchandiseID (compound primary key)*
>>
>> *A record in VendorsMerchandise represents the fact that vendor*
>> *(VendorID) deals in merchandise (MerchandiseID).*
>>
>> *Given such tables, you can certainly represent the data correctly and*
>> *efficiently. All that's left is the user interface design. Normally,*
>> *one would present the VendorsMerchandise table as a subform on the*
>> *Vendors form, showing only the records on the subform that are*
>> *related to the current Vendor record on the main form. However,*
>> *that won't let you see all merchandise at once, nor select/deselect*
>> *merchandise by clicking with the mouse. There's no built-in,*
>> *code-free Access mechanism to do that, AFAIK, so it's necessary to*
>> *write some code.*
>>
>> *Tell me, are you absolutely wedded to the idea of using a check box*
>> *to select items? I know a way to do that, but the implementation*
>> *looks a bit clunky to my eye. How would you feel about using a*
>> *multiselect list box instead? The list box would show all the*
>> *items, and the ones that are actually selected for the current*
>> *vendor would be highlighted. In my experience, that looks a bit*
>> *better than the calculated check boxes that are otherwise required.*

How about this, then?

Assuming you have set up tables the way I described, build a form named "frmVendors" with the Vendors table as its recordsource. On that form, put a list box with these properties:

Name: lstVendors
Column Count: 2
ColumnHeads: No
Columns Widths: 0"; 2" (or whatever seems appropriate)
Control Source: (blank)
Multi Select: Simple
Row Source Type: Table/Query
Row Source:
 SELECT
 MerchandiseTypes.MerchandiseID,
 MerchandiseTypes.MerchandiseDescription,
 IsNull([T].[VendorID]) AS SoldByCurrentVendor
 FROM

microsoft.public.access.forms: Re: use a list with checkboxes to select categories

```
MerchandiseTypes
LEFT JOIN
[SELECT *
FROM VendorsMerchandise VM
WHERE VM.VendorID = Forms!frmVendors!VendorID]. AS T
ON MerchandiseTypes.MerchandiseID = T.MerchandiseID
ORDER BY
IsNull([T].[VendorID]) DESC,
MerchandiseTypes.MerchandiseDescription;
```

Create the following code module for the form:

```
'----- start of code for form module -----
Option Compare Database
Option Explicit

Private Sub ClearMerchandiseSelections()

    Dim intI As Integer

    With Me.lstMerchandise
        For intI = (.ItemsSelected.Count - 1) To 0 Step -1
            .Selected(.ItemsSelected(intI)) = False
        Next intI
    End With

End Sub

Private Sub Form_Current()

    Dim rs As DAO.Recordset
    Dim intI As Integer

    Me.lstMerchandise.Requery

    ' Clear all currently selected merchndise.
    ClearMerchandiseSelections

    If Not Me.NewRecord Then

        Set rs = CurrentDb.OpenRecordset( _
            "SELECT MerchandiseID FROM VendorsMerchandise " & _
            "WHERE VendorID=" & Me.VendorID)

        ' Select the merchandise currently on record for this VendorID.
        With Me.lstMerchandise
            Do Until rs.EOF
                For intI = 0 To (.ListCount - 1)
                    If .ItemData(intI) = CStr(rs!MerchandiseID) Then
                        .Selected(intI) = True
                    Exit For
                Next intI
            Loop
        End With
    End If
End Sub
```

Re: use a list with checkboxes to select categories

microsoft.public.access.forms: Re: use a list with checkboxes to select categories

```
End If
Next intI
rs.MoveNext
Loop
rs.Close
Set rs = Nothing
End With
```

End If

End Sub

Private Sub lstMerchandise_AfterUpdate()

On Error GoTo Err_lstMerchandise_AfterUpdate

```
Dim db As DAO.Database
Dim ws As DAO.Workspace
Dim strSQL As String
Dim blnInTransaction As Boolean
Dim varItem As Variant
```

' Make sure the current member record has been saved.
If Me.Dirty Then Me.Dirty = False

```
Set ws = Workspaces(0)
Set db = ws.Databases(0)
```

```
ws.BeginTrans
blnInTransaction = True
```

' Delete all merchandise now on record.
strSQL = "DELETE FROM VendorsMerchandise " & _
"WHERE VendorID = " & Me.VendorID

```
db.Execute strSQL, dbFailOnError
```

' Add each hobby selected in the list box.

```
With Me.lstMerchandise
For Each varItem In .ItemsSelected
strSQL = _
"INSERT INTO VendorsMerchandise (VendorID,
MerchandiseID) VALUES (" & _
Me.VendorID & ", " & .ItemData(varItem) & ")"
db.Execute strSQL, dbFailOnError
Next varItem
End With
```

```
ws.CommitTrans
blnInTransaction = False
```

Re: use a list with checkboxes to select categories

microsoft.public.access.forms: Re: use a list with checkboxes to select categories

```
Exit.lstMerchandise_AfterUpdate:
```

```
    Set db = Nothing
```

```
    Set ws = Nothing
```

```
    Exit Sub
```

```
Err.lstMerchandise_AfterUpdate:
```

```
    MsgBox "Error " & Err.Number & ": " & Err.Description,  
vbExclamation, _
```

```
    "Unable to Update"
```

```
    If blnInTransaction Then
```

```
        ws.Rollback
```

```
        blnInTransaction = False
```

```
    End If
```

```
    Resume Exit.lstMerchandise_AfterUpdate
```

```
End Sub
```

```
'----- end of code for form module -----
```

That will give you a multi-select list box that reflects the merchandise sold by a particular vendor by selecting those items, and updates it when you de-select an item. When a vendor's record is first opened, the selected items are always at the top of the list. I'm not sure that last is a good idea, from a user-interface point of view, but you asked for it.

--

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(please reply to the newsgroup)