

ACC2000: How to Sort a Report from a Pop-Up Form

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This article applies to a Microsoft Access database (.mdb) and to a Microsoft Access project (.adp).

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Advanced: Requires expert coding, interoperability, and multiuser skills.

SUMMARY

This article shows you how to create a pop-up form for setting the sort order of data in a report.

NOTE: This article explains a technique demonstrated in the sample file, RptSmp00.mdb. For information about how to obtain this sample file, please see the following article in the Microsoft Knowledge Base:

[231851](#) ACC2000: Microsoft Access 2000 Sample Reports Available in Download Center

Microsoft provides programming examples for illustration only, without warranty either expressed or implied. This includes, but is not limited to, the implied warranties of merchantability or fitness for a particular purpose. This article assumes that you are familiar with the programming language that is being demonstrated and with the tools that are used to create and to debug procedures. Microsoft support engineers can help explain the functionality of a particular procedure, but they will not modify these examples to provide added functionality or construct procedures to meet your specific requirements.

MORE INFORMATION

This technique involves creating a pop-up form and a report in the sample database Northwind.mdb. The form enables you to choose which report fields to sort on and in which order: ascending or descending.

CAUTION: If you follow the steps in this example, you modify the sample database Northwind.mdb. You may want to back up the Northwind.mdb file and follow these steps on a copy of the database.

Creating the Report

1. Open the sample database Northwind.mdb.
2. Start the Report Wizard and create a report based on the Customers table.
3. In the **Which fields do you want on your report** box, select the following fields:

```
Company Name  
Contact Name  
City  
Region  
Country
```

4. Click **Finish** to display the new report in Print Preview.
5. On the **File** menu, click **Save As**. Enter **Sort Report** as the report name and click **OK**.
6. Close the report.

Creating the Pop-up Form

1. Create a new form not based on any table or query in Design view with the following form properties:

```
Form: frmSortReport  
-----  
ScrollBars: Neither  
RecordSelectors: No  
NavigationButtons: No  
PopUp: Yes  
BorderStyle: Thin  
MinMaxButtons: None
```

2. Set the **OnOpen** property of the form to the following event procedure:

```
Private Sub Form_Open(Cancel As Integer)  
    ' Opens the report in Design view when the form opens.  
    DoCmd.OpenReport "Sort Report", acviewDesign
```

```

DoCmd.Maximize
End Sub

```

3. Set the **OnClose** property of the form to the following event procedure:

```

Private Sub Form_Close()
' Closes the report when the form closes.
DoCmd.Close acReport, "Sort Report"
DoCmd.Restore
End Sub

```

4. Add the following five combo boxes:

```

Combo box
-----
Name: Sort1
RowSourceType: Field List
RowSource: Select [CompanyName], [ContactName], [City], [Region],
              [Country] from Customers

```

```

Combo box
-----
Name: Sort2
RowSourceType: Field List
RowSource: Select [CompanyName], [ContactName], [City], [Region],
              [Country] from Customers

```

```

Combo box
-----
Name: Sort3
RowSourceType: Field List
RowSource: Select [CompanyName], [ContactName], [City], [Region],
              [Country] from Customers

```

```

Combo box
-----
Name: Sort4
RowSourceType: Field List
RowSource: Select [CompanyName], [ContactName], [City], [Region],
              [Country] from Customers

```

```

Combo box
-----
Name: Sort5
RowSourceType: Field List
RowSource: Select [CompanyName], [ContactName], [City], [Region],
              [Country] from Customers

```

5. Add the following five check boxes next to the combo boxes on the form. You can use these check boxes later for selecting ascending or descending order for your report:

```

Check box
-----
Name: Check1

```

```

Check box
-----
Name: Check2

```

```

Check box
-----
Name: Check3

```

```

Check box
-----
Name: Check4

```

```

Check box

```

```
-----
Name: Check5
```

6. Add the following command button to the form, which enables you to reset the values in the form's combo boxes and check boxes:

```
Command button
-----
Name:Clear
Caption:Clear
OnClick: [Event procedure]
```

Set the OnClick [Event procedure] to the following:

```
Private Sub Clear_Click()
    Dim intCounter as Integer
    For intCounter = 1 To 5
        Me("Sort" & intCounter) = ""
        Me("Check" & intCounter) = ""
    Next
End Sub
```

7. Add the following command button to the form:

```
Command button
-----
Name SetOrderBy
Caption SetOrderBy
OnClick: [Event procedure]
```

Set the OnClick [Event procedure] to the following:

```
Private Sub SetOrderBy_Click()
    Dim strSQL as String, intCounter as Integer
    ' Build strSQL String.
    For intCounter = 1 To 5
        If Me("Sort" & intCounter) <> "" Then
            strSQL = strSQL & "[" & Me("Sort" & intCounter) & "]"
            If Me("Check" & intCounter) = True Then
                strSQL = strSQL & " DESC"
            End IF
            strSQL = strSQL & ", "
        End If
    Next

    If strSQL <> "" Then
        ' Strip Last Comma & Space.
        strSQL = Left(strSQL, (Len(strSQL) - 2))
        ' Set the OrderBy property.
        Reports![Sort Report].OrderBy = strSQL
        Reports![Sort Report].OrderByOn = True
    End If

    DoCmd.OpenReport "Sort Report", acViewPreview
End Sub
```

8. Close and save the form as frmSortReport.

Sorting the Report

1. Open frmSortReport in Form view. Note that the report opens in Design view behind the form.
2. Select a value in the first combo box, and then click the SetOrderBy button. The report then appears sorted by the field that you selected in the combo box.

3. Click to select the first check box, and then click the SetOrderby button. You should see the report sorted in descending order by the field that you selected in the combo box.

REFERENCES

For more information about the Filter property, in the Visual Basic Editor, click **Microsoft Visual Basic Help** on the **Help** menu, type **filter property** in the Office Assistant or the Answer Wizard, and then click **Search** to view the topic.

For more information about Filter by Form, click **Microsoft Access Help** on the **Help** menu, type **filter by form** in the Office Assistant or the Answer Wizard, and then click **Search** to view the topics returned.

For more information about Filter by Selection, click **Microsoft Access Help** on the **Help** menu, type **filter by selection** in the Office Assistant or the Answer Wizard, and then click **Search** to view the topics returned.

APPLIES TO

- Microsoft Access 2000 Standard Edition

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