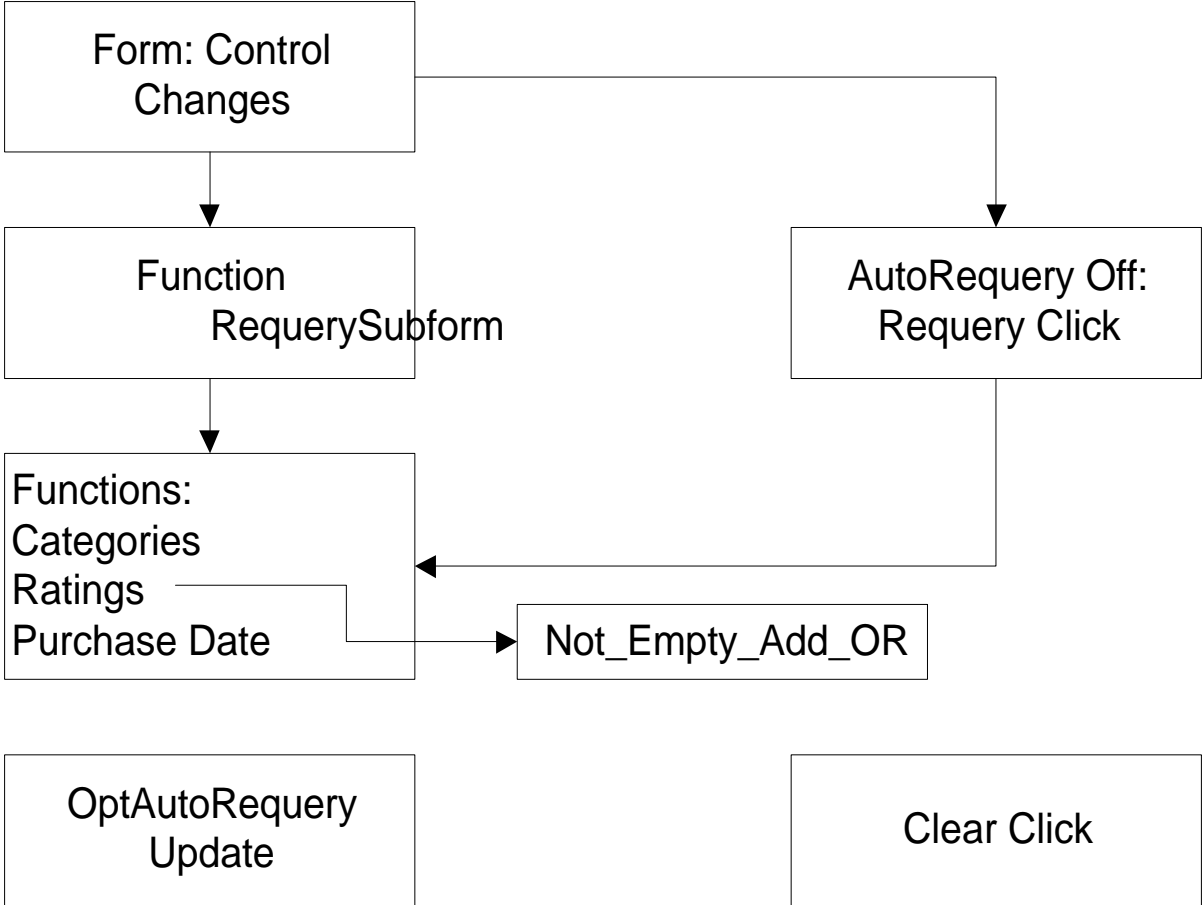


# Flows for Movies Example



## Movies Example: If's & For Next's

```
Private Function RequerySubform()  
    Dim strCategorySQL As String  
    Dim strRatingsSQL As String  
    Dim strPurchaseDateSQL As String  
    Dim strWhereSQL As String  
    Dim strFullSQL As String  
    '-- If AutoRequery is set to True, or the Requery button was pressed,  
    '-- or the Clear button was pressed (clear the subform)  
    '-- then re-create the Where clause for the recordsource of the subform  
    If Me!optAutoRequery Or _  
        Screen.ActiveControl.Name = "cmdRequery" Or _  
        Screen.ActiveControl.Name = "cmdClear" Then  
        '-- Store all the criteria for the Where statement  
        '-- into variables.  
        strCategorySQL = IncludeCategories()  
        strRatingsSQL = IncludeRatings()  
        strPurchaseDateSQL = IncludePurchaseDate()  
        '-- Store the initial Where statement with whatever is from  
        Slide 10  
        '-- the Category criteria.  
        strWhereSQL = "Where " & strCategorySQL  
        '-- If a rating was passed back, then add it to the Where clause.  
        If Len(strRatingsSQL) <> 0 Then  
            '-- If the Category criteria was already added,  
            '-- AND it with the Ratings criteria.  
            If strWhereSQL <> "Where " Then  
                strWhereSQL = strWhereSQL & " And "  
            End If  
            strWhereSQL = strWhereSQL & strRatingsSQL  
        End If  
        '-- If a Purchase date was passed back, then add to the Where clause.  
        If Len(strPurchaseDateSQL) <> 0 Then  
            '-- If some of the other criteria was already added,  
            '-- AND it with the Purchase date criteria.  
            If strWhereSQL <> "Where " Then  
                strWhereSQL = strWhereSQL & " And "  
            End If  
            strWhereSQL = strWhereSQL & strPurchaseDateSQL  
        End If  
        '-- If no criteria was chosen, make it so the subform will be blank.  
        If strWhereSQL = "Where " Then  
            strWhereSQL = "Where False;"  
        End If  
        '-- Create the new SQL String and Store it to the Recordsource.  
        strFullSQL = "Select * From MovieTitles " & strWhereSQL  
        Me!subQueryByForm.Form.RecordSource = strFullSQL  
        '-- Set the requery button to black.  
        Me!cmdRequery.ForeColor = 0  
    Else  
        '-- Set the requery button to red.  
        Me!cmdRequery.ForeColor = 255  
    End If  
End Function
```

Slide 5

Slide 11

Slide 12

Slide 13

```

Private Function IncludeCategories() As String '-- Movie Categories _____ Slide 6

Dim varCategory As Variant
Dim strTemp As String

'-- For each of the items in the ItemsSelected collection
For Each varCategory In Me!lboCategoryToInclude.ItemsSelected() 'For Each/Next
    strTemp = strTemp & "[CategoryCode] = " & _
        Me!lboCategoryToInclude.ItemData(varCategory) & " Or "
Next
'-- Were categories selected? Yes: remove the last "OR" otherwise set to ""
If Len(strTemp) > 0 Then
    IncludeCategories = "(" & Left$(strTemp, Len(strTemp) - 4) & ")"
Else
    IncludeCategories = ""
End If

End Function

```

```

Private Function IncludePurchaseDate() As String '-- Purchased after(Date)? _____ Slide 9

If Not IsNull(Me!txtBegPurchaseDate) Then
    IncludePurchaseDate = _
        "([DatePurchased] >= Forms!frmQueryByFormExample!txtBegPurchaseDate)"
End If

End Function

```

```

Private Function IncludeRatings() As String '-- Ratings _____ Slide 7
Dim strTemp As String

If Me!chkRatedG Then
    strTemp = "[Rating] = 'G'"
End If

If Me!chkRatedPG Then
    strTemp = Not_Empty_Add_OR(strTemp) & "[Rating] = 'PG'"
End If

If Me!chkRatedPG13 Then
    strTemp = Not_Empty_Add_OR(strTemp) & "[Rating] = 'PG-13'"
End If

    <snip>

'-- If at least one rating was chosen, assign the
'-- temp string as the return value.
If Len(strTemp) <> 0 Then
    IncludeRatings = "(" & strTemp & ")"
End If

End Function

```

|  |  |
|--|--|
| <pre>Private Function Not_Empty_Add_OR(strRating As String)     '-- If a Rating before this one was included, OR them.     If Len(strRating) &lt;&gt; 0 Then         Not_Empty_Add_OR = strRating &amp; " Or "     End If End Function</pre>   | <p>_____ Slide 8</p>                   |
| <pre>Private Sub cmdClear_Click()     '-- Clear all the criteria      Dim varDummy As Variant, intCurrCat As Integer, _         strFullSQL As String, strWhereSQL As String      '-- First, the multi-select list box. (Cycles through ALL listitems)     For intCurrCat = 0 To Me!lboCategoryToInclude.ListCount - 1         Me!lboCategoryToInclude.Selected(intCurrCat) = False     Next      'Set ALL checkboxes to "not checked"     Me!chkRatedG = False     Me!chkRatedPG = False     Me!chkRatedPG13 = False     Me!chkRatedR = False     Me!chkRatedNC17 = False      'Set the BeginPurchaseDate to Null.     Me!txtBegPurchaseDate = Null      '-- Recreate the RecordSource for the subform     varDummy = RequerySubform() End Sub</pre> | <p>_____ Slide 15</p> <p>'For/Next</p> |
| <pre>Private Sub optAutoRequery_AfterUpdate()      Dim varDummy As Variant      If Me!optAutoRequery Then         varDummy = RequerySubform()     End If End Sub</pre>   | <p>_____ Slide 14</p>                  |

## Jet Do Loop Example

Option Compare Database

Option Explicit

Dim strOld As String, strNew As String

Sub UpdateTitleRecordset(strOldTitle As String, strNewTitle As String)

\_\_\_\_\_ Slide 18

' This procedure opens a dynaset-type recordset and edits  
' each record that meets the specified criteria.

Dim dbs As Database, rst As Recordset, strCriteria As String

Set dbs = CurrentDb

' Open dynaset-type recordset.

Set rst = dbs.OpenRecordset("Employees", dbOpenDynaset)

strCriteria = "Title = "" & strOldTitle & ""

With rst

\_\_\_\_\_ Slide 19

' Move to start of recordset.

.MoveFirst

' Find first matching record.

.FindFirst strCriteria

Do While Not .NoMatch

' Edit record and update.

.Edit

!Title = strNewTitle

.Update

' Find next matching record.

.FindNext strCriteria

Loop

End With

End Sub

Private Sub cmdChangeTitle\_Click()

\_\_\_\_\_ Slide 17

strOld = "Sales Representative"

strNew = "Account Exec"

Call UpdateTitleRecordset(strOld, strNew)

End Sub

Private Sub cmdRevert\_Click()

strOld = "Account Exec"

strNew = "Sales Representative"

Call UpdateTitleRecordset(strOld, strNew)

End Sub