

Re: dynamic query help

Source:

<http://www.tech-archive.net/Archive/Access/microsoft.public.access.queries/2005-12/msg02159.html>

- *From:* "Tom Ellison" <tellison@xxxxxxxxxxxx>
 - *Date:* Fri, 30 Dec 2005 13:00:40 -0600
-

Dear GB:

Write a query that does what you want. Test it. Put that query in the rstOpen function. Make sure it respects nulls. You could build the actual SQL string in a variable, like strSQL I showed you, and check that it is built properly.

Alternately, you could test cnt to see if it no value was entered. As a result of this test, execute one of two different rstOpen statements, one using cnt and the other using no parameter at all. I would still use strSQL to build this string conditionally, there being two different versions of the string based on that test.

The technique is quite simple. Write the SQL and get it working in all cases. Test it. Then generate the SQL string in code and make sure it looks correct in all cases. Test it. Then execute it in code in the finished form. By not heaping up all the complexity of a finished form of the code at once, but by approaching it one step at a time, with a few seconds of testing of each case and a careful look at the results, you'll have a working application in very little time. It's a matter of economics. You can make 4 payments of \$10 or a single payment of \$1000. Which do you prefer?

Tom Ellison

"geebee" <geebee@xxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote in message news:4AF3047C-09AC-4A9A-80D1-547F2A28F59B@xxxxxxxxxxxxxxxxxxxx

> Hi,
>
> Tom, thanks for the StrSQL. It works just fine when there is a value in
> the
> [control_number_filter] field. But where there is not a value in the
> field, I
> want ALL of the records to be downloaded. The following code is not
> working
> for me:
>

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```
> If IsNull(Me.control_number_filter) Then
> rst.Open "Select * From tbl_IDCF_Questions", cnt
> Else
> rst.Open strSQL, cnt
> End If
>
> Regardless of whether or not there is a value typed in the
> [control_number_filter] field, ALL the records are being downloaded into
> the
> spreadsheet. What can I do? I want only the filtered record(s) to be
> downloaded if there is a value typed in the [control_number_filter] field,
> and ALL the records to be downloaded if there is not a value typed in the
> [control_number_filter] field.
>
> Thanks in advance,
> geebee
>
>
> "geebee" wrote:
>
>> hi all,
>>
>> I have the following:
>>
>> rst.Open "Select * from tbl_IDCF_Questions where" & strSQL, cnt
>>
>> However, at runtime, I am getting an error message that says "Run-time
>> error
>> '-2147217900 (80040e14)':
>> Syntax error in WHERE clause."
>>
>> However, when the preceding code line is changed to the following, it
>> works
>> just fine:
>> rst.Open "Select * From tbl_IDCF_Questions", cnt
>>
>> how can I get it to where the strSQL works properly? I want users to be
>> able
>> to construct SQL statements/filter the form dynamically.
>>
>> for reference, here are the underlying functions for the strSQL:
>> Private Function AttachAnd(sField, sValue)
>> If sValue = "" Or sValue = " " Then
>> Exit Function
>> End If
>>
>> If Occurrencesnew(strSQL, "=") = 0 Then
>> strSQL = strSQL & sField & "=" & sValue
>> Else
>> strSQL = strSQL & " and " & sField & "=" & sValue
>> End If
```

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```
>>
>> End Function
>> Private Function BuildQueryCommand()
>>
>>
>> sSQL = ""
>>
>> Call AttachAnd("index_number", "" & index_number_filter & "")
>> Call AttachAnd("control_number", "" & control_number_filter &
>> "")
>> 'Call AttachAnd("state", "" & state_filter & "")
>> 'Call AttachAnd("activity", "" & activity_filter & "")
>> 'Call AttachAnd("class", "" & class_filter & "")
>> 'Call AttachAnd("program", "" & program_filter & "")
>> 'Call AttachAnd("cost_center", "" & cost_center_filter & "")
>> 'Call AttachAnd("FY02_BASETABLE.Start Date", "#" & test1 & "#")
>> 'Call AttachAnd("end date", "" & test2 & "")
>>
>>
>> Filter = sSQL
>>
>>
>> FilterOn = True
>>
>>
>> DoCmd.OpenReport "Phone", acViewPreview, , sSQL
>>
>>
>> End Function
>>
>>
>> Private Function Occurancesnew(sSQL, sOperator)
>> Dim offset
>> Dim iCount
>>
>> offset = 1
>> While offset <> 0
>> offset = InStr(offset + 1, sSQL, sOperator)
>> If offset > 1 Then
>> iCount = iCount + 1
>> End If
>> Wend
>>
>> Occurancesnew = iCount
>>
>> End Function
>>
>> Thanks in advance,
>> -geebee
>>
```

- **References:**

- ◆ **[dynamic query help](#)**
 - ◇ From: geebee
- ◆ **[RE: dynamic query help](#)**
 - ◇ From: geebee

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