

Re: Am I using too many filters?

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From: Duane Hookom (duanehookom_at_NO_SPAMhotmail.com)

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I try to create reports (record source queries) with no criterias. Instead, I use code in the form "MenuReports" to create a where string that is used in the DoCmd.OpenReport method. For instance:

```
Dim strWhere as String
strWhere = "1=1 "
If Not IsNull(Me.ContractID) Then
    'assuming ContractID is numeric
    strWhere = strWhere & " And ContractID = " & Me.ContractID
End If
If Not IsNull(Me.ContractType) Then
    'assuming ContractType is text
    strWhere = strWhere & " And ContractType = "" & Me.ContractType &
"" ""
End If
'---- etc -----
'you can add code that loops through a multi-select list box
'this makes date ranges easy
'the only major issue is you can't apply this technique very easily
'to subreports
DoCmd.OpenReport "rptYourReport", acPreview, , strWhere
```

```
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Duane Hookom
MS Access MVP
"Brian" <Brian@discussions.microsoft.com> wrote in message
news:3BE1EAED-1DD2-4E63-966D-8490356432FB@microsoft.com...
> For some reports, I prefer to write a single report and give the user up
> to
> ten or more filters (controls, usually combo boxes) on the form that calls
> the report). I then drop a reference to the control name in the query's
> criteria line to filter based on that control if it is populated.
>
> Since I have, by default, only nine criteria lines to a query, I sometimes
> create two or three queries that each filter out different elements, and
> then
> do a join between them to apply ALL filters.
>
> However, I just ran into my first need to use a list box for one of the
> criteria (or at least a need to stipulate "Equals" or "Does not equal" as
> an
> option), and the construction of the resultant query in VBA looks like a
```

microsoft.public.access.queries: Re: Am I using too many filters?

```
> gargantuan task. Does anyone have a better approach to multi-filtered
> reports,
> or am I just crazy to try to offer this type of flexibility?
>
> Just as an example, here is the SQL view of one of three such stacked
> queries that it takes to run one VERY flexible report, and yes, I did this
> with the query builder, not by manually writing the SQL:
>
> SELECT Contracts.ContractID
> FROM ReportContractBase1 INNER JOIN Contracts ON
> ReportContractBase1.ContractID = Contracts.ContractID
> WHERE (((Contracts.ContractID)=[Forms]![MenuReports]![ContractID]) AND
> ((Contracts.ContractType)=[Forms]![MenuReports]![ContractType]) AND
> ((Contracts.Status)<>[Forms]![MenuReports]![ContractStatus]) AND
> (([Forms]![MenuReports]![ContractID]) Is Not Null) AND
> (([Forms]![MenuReports]![ContractType]) Is Not Null) AND
> (([Forms]![MenuReports]![ContractStatus]) Is Not Null)) OR
> (((Contracts.ContractType)=[Forms]![MenuReports]![ContractType]) AND
> ((Contracts.Status)<>[Forms]![MenuReports]![ContractStatus]) AND
> (([Forms]![MenuReports]![ContractID]) Is Null) AND
> (([Forms]![MenuReports]![ContractType]) Is Not Null) AND
> (([Forms]![MenuReports]![ContractStatus]) Is Not Null)) OR
> (((Contracts.ContractID)=[Forms]![MenuReports]![ContractID]) AND
> ((Contracts.Status)<>[Forms]![MenuReports]![ContractStatus]) AND
> (([Forms]![MenuReports]![ContractID]) Is Not Null) AND
> (([Forms]![MenuReports]![ContractType]) Is Null) AND
> (([Forms]![MenuReports]![ContractStatus]) Is Not Null)) OR
> (((Contracts.ContractType)=[Forms]![MenuReports]![ContractType]) AND
> (([Forms]![MenuReports]![ContractID]) Is Null) AND
> (([Forms]![MenuReports]![ContractType]) Is Null) AND
> (([Forms]![MenuReports]![ContractStatus]) Is Not Null)) OR
> (((Contracts.ContractID)=[Forms]![MenuReports]![ContractID]) AND
> ((Contracts.ContractType)=[Forms]![MenuReports]![ContractType]) AND
> (([Forms]![MenuReports]![ContractID]) Is Not Null) AND
> (([Forms]![MenuReports]![ContractType]) Is Not Null) AND
> (([Forms]![MenuReports]![ContractStatus]) Is Null)) OR
> (((Contracts.ContractType)=[Forms]![MenuReports]![ContractType]) AND
> (([Forms]![MenuReports]![ContractID]) Is Null) AND
> (([Forms]![MenuReports]![ContractType]) Is Not Null) AND
> (([Forms]![MenuReports]![ContractStatus]) Is Null)) OR
> (((Contracts.ContractID)=[Forms]![MenuReports]![ContractID]) AND
> (([Forms]![MenuReports]![ContractID]) Is Not Null) AND
> (([Forms]![MenuReports]![ContractType]) Is Null) AND
> (([Forms]![MenuReports]![ContractStatus]) Is Null)) OR
> ((([Forms]![MenuReports]![ContractID]) Is Null) AND
> (([Forms]![MenuReports]![ContractType]) Is Null) AND
> (([Forms]![MenuReports]![ContractStatus]) Is Null));
>
```