

Re: Need help with looping through records to email report

## Re: Need help with looping through records to email report

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*Source:* <http://www.tech-archive.net/Archive/Access/microsoft.public.access.forms/2009-01/msg00358.html>

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- *From:* jag2004 <julie\_alloway@xxxxxxxxxx>
  - *Date:* Wed, 7 Jan 2009 12:14:53 -0800 (PST)
- 

Hi Dale,

Sorry for the delay, with the holidays I was busy with other assignments. Here is the final code:

The error checking portion is still commented out.

Julie

```
Private Sub Command0_Click()  
'On Error GoTo PROC_ERR
```

```
' Declare variables  
Dim dbs As DAO.Database  
Dim rst As DAO.Recordset  
Dim strAccountStatus As String  
Dim strEmail As String, strSubject As String, strMsgBody As String  
Dim strUserID As String  
Dim fOk As Boolean
```

```
'Build our SQL string  
strSQL = "SELECT DISTINCT Name, Email From [2008MicroProcReview]"
```

```
'Set our database and recordset objects  
Set dbs = CurrentDb  
Set rst = dbs.OpenRecordset(strSQL, , dbFailOnError)
```

```
'Loop the recordset  
Do While Not rst.EOF
```

```
' Grab the Email string  
strEmail = rst.Fields("email")
```

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```
'Grab the UserID string  
Call fnUserID(rst.Fields("name"))
```

```
'Send the report  
'Insert inline error handling to handle a cancelled report  
On Error Resume Next  
strSubject = "2008 Procedure Review"  
strMsgBody = "2008 Procedure Review Attached"  
DoCmd.SendObject acSendReport, "rpt2008ProcedureReview",  
acFormatRTF, strEmail, , , strSubject, strMsgBody, False  
If Err.Number <> 0 Then  
MsgBox Err.Number & vbCrLf & Err.Description, vbOKOnly,  
"Delivery Failure to the following email address: " & strEmail  
End If  
'On Error GoTo PROC_ERR
```

```
' Move and loop  
rst.MoveNext  
Loop
```

```
PROC_EXIT:  
'Clean up. I like to put my cleanup in the Exit procedure so  
after the error,  
'I can resume at Proc_Exit and cleanup the battlefield  
If Not rs Is Nothing Then  
rst.Close  
Set rst = Nothing  
End If  
If Not dbs Is Nothing Then  
dbs.Close  
Set dbs = Nothing  
End If  
Exit Sub
```

```
PROC_ERR:  
' MsgBox Err.Description  
'Resume PROC_EXIT  
'End Sub
```

End Sub

On Dec 23 2008, 3:19 pm, Dale Fye <dale....@xxxxxxxxxx> wrote:

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You probably need to add a line after displaying the inline error message box to clear the error. (I think Err.Clear should do it)

Post your final code, and I'll try to figure out what was causing the error.

I like to make sure that the error handling code is working properly. You might even want to step through the code a couple of times, doing different things. As an example, if you cancel the email action, it will return an error code, and you probably want to ignore that, rather than display the error message.

--

HTH

Dale

email address is invalid  
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"jag2004" wrote:

Dale,

Thank you so much. That works! I have been pulling my hair out trying to get this!

I did have to comment out the error procedure. It would go through and email the report but then it would give an "Object required" message. I did a break and it was highlighting:

Resume PROC\_EXIT

at the very bottom of the code.

I then had to comment out everything that refers to that and it worked without a problem. I realize that means there is no way to exit if there is an error.

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You do not know how HELPFUL you have been!

Julie

On Dec 22, 7:11 pm, "Dale Fye" <dale....@xxxxxxxxxxx> wrote:

My bad. A couple of issues.

1. The line in the function that caused the problem should read:

```
if Reset OR isempty(myUserID) then myUserID = Null
```

2. You don't really need to open the report in preview mode either, so I removed that line of code. I also bypassed your SendReportByEmail code altogether. If you want to still use that code, you will have to think of another way to identify the Subject of the message, since the report won't be open when you get to that code. I just hard coded it into the following.

Try this:

```
Private Sub cmdSendReport_Click()
```

```
On Error GoTo PROC_ERR
```

```
' Declare variables  
Dim dbs As DAO.Database  
Dim rst As DAO.Recordset
```

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```
Dim strAccountStatus As String
Dim strEmail As String, strSubject as String, strMsgBody
as string
Dim strUserID As String
Dim fOk As Boolean
```

```
'Build our SQL string
strSQL = "SELECT DISTINCT Name, Email From
[2008MicroProcReviewtest]"
```

```
'Set our database and recordset objects
Set dbs = CurrentDb
Set rst = dbs.OpenRecordset(strSQL,,dbfailonerror)
```

```
'Loop the recordset
Do While Not rst.EOF
```

```
    ' Grab the Email string
    strEmail = rst.Fields("email")
```

```
    'Grab the UserID string
    Call fnUserID( rst.Fields("name"))
```

```
    'Send the report
    'Insert inline error handling to handle a cancelled
report
    ON Error Resume Next
    strSubject = "2008 Procedure Review"
    strMsgBody = "2008 Procedure Review Attached"
    docmd.SendObject acSendReport,
"rpt2008ProdedureReview",
acFormatHTML, _
        strEmail, , , strSubject,
strMsgBody, False
    If ERR.Number <> 0 then
        MsgBox Err.Number & vbCrLf & err.Description,
vbOkOnly,
"Delivery Failure to the following email address: " &
strEmail
```

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```
End If  
On Error GoTo PROC_ERR
```

```
' Move and loop  
rst.MoveNext  
Loop
```

PROC\_EXIT:

'Clean up. I like to put my cleanup in the Exit procedure  
so after the  
error,

```
'I can resume at Proc_Exit and cleanup the battlefield  
if not rs is nothing then  
rst.Close  
Set rst = Nothing  
endif  
if not dbs is nothing then  
dbs.Close  
Set dbs = Nothing  
endif  
Exit Sub
```

PROC\_ERR:

```
MsgBox Err.Description  
Resume PROC_EXIT  
End Sub
```

HTH  
Dale,

"jag2004" <julie\_allo...@xxxxxxxx> wrote in message

[news:f7936602-f32b-4fa6-a1d4-1a5e06fa4566@xx](mailto:news:f7936602-f32b-4fa6-a1d4-1a5e06fa4566@xx)

Hi Dale,

Thanks for your help!

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I made the changes as you suggest. (My test table has two employees.) I get the reports on screen, both at the same time and an error message "Object required". Nothing gets emailed. I had a problem with this line from your response item #2 below:

```
if Reset OF isempty(myUserID) then myUserID = Null
The code window highlights OF and then gives a message of
Compile
Error, expected Then or GoTo. I am not sure what OF is
referring to?
```

Any suggestions?

Julie

On Dec 22, 2:22 pm, Dale Fye <dale....@xxxxxxxxxx>  
wrote:

Julie,

1. First thing I would do differently is modify your first SQL string, so that it selects DISTINCT [Name] and [email] addresses from your table. Assuming that the report returns all of the records pertaining to this individual, and not just one at a time, this is probably the only step that you really need to do. The rest is just how I handle these types of automated reporting tasks.

```
strSQL = "SELECT DISTINCT [Name],
[Email] FROM
[2008MicroProcReviewTest]"
```

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2. Create a function fnUserID() that looks like the following. Put this in a standard code module (not a forms code module). I used to just put this value in a hidden textbox on a form, and refer to that textbox in the query, but found that using this technique, I can call the report from anywhere in my code, or from any form, or even from the immediate window.

```
Public Function fnUserID(Optional  
SomeValue as Variant = Null, _  
Optional Reset as boolean = false) as  
Variant
```

```
Static myUserID as Variant
```

```
if Reset OF isempty(myUserID) then  
myUserID = Null  
if not isnull(SomeValue) then myUserID =  
SomeValue
```

```
fnUserID = myUserID
```

```
End function
```

3. Modify the query that you use for your report to look something like:

```
SELECT * FROM ....  
WHERE UserID = fnUserID()  
OR fnUserID() IS NULL
```

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4. Then, inside the loop (Do While not  
rst.eof: Wend), I would set  
fnUserID  
with a line of code that looks like:

```
Call fnUserID(rs.Fields("Name"))
```

5. Since the reports underlying query looks  
at fnUserID, you can delete  
the  
call to FilterReport

--  
HTH  
Dale

email address is invalid  
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"jag2004" wrote:

Hello,

I have been working on a  
problem in my spare time  
for a few weeks now,  
I have finally made some  
progress but I need some  
additional help..

I work in a hospital  
laboratory where we are  
required to keep track of  
procedures read, continuing  
education seminars

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attended, etc. The hospital has a webform program which employees use to enter the information. There is a separate form for each type of item we are tracking. I am responsible for pulling the information off of the hospital system and distributing it to the employees. I created an Access database to do this. I have a table called 2008MicroProcReviewtest. It has the following fields:  
ID (primary key, autonumber), Name, Procedure, DateRead, Email  
I have a report called rpt2008ProcedureReview

I created a form with a command button and I found code on the web that will pick the employee name and email address, create the report and email it to each employee. The problem is that if an employee has 15 records, it will create the report and then email it 15 times. I need help with my SQL statement or with the looping to figure out how to get it to see the employees 15 records as 1 report, then move to the next employee.

I will post the code below:  
This is the command button code. There is also a

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function called  
FilterReport and one called  
SendReportByEmail, they  
are pasted below  
the command button code.  
The functions are located in  
modules.

Any help would be  
GREATLY  
APPRECIATED!!!

Thanks,  
Julie

```
Private Sub  
Command0_Click()  
Private Sub  
cmdSendReport_Click()  
On Error GoTo PROC_ERR
```

```
' Declare variables  
Dim dbs As DAO.Database  
Dim rst As DAO.Recordset  
Dim strAccountStatus As  
String  
Dim strEmail As String  
Dim strUserID As String  
Dim fOk As Boolean
```

```
' Build our SQL string  
strSQL = "SELECT Name,  
Email From  
[2008MicroProcReviewtest]"
```

```
' Set our database and  
recordset objects  
Set dbs = CurrentDb  
Set rst =
```

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```
db.OpenRecordset(strSQL)
```

```
' Open the report  
DoCmd.OpenReport  
"rpt2008ProcedureReview",  
acPreview
```

```
'Turn the filter on  
Reports![rpt2008ProcedureReview].FilterOn  
= True
```

```
' Loop the recordset  
Do While Not rst.EOF
```

```
' Grab the Email string  
strEmail =  
rst.Fields("email")
```

```
' Grab the UserID string  
strUserID =  
rst.Fields("name")
```

```
' Call the procedure used to  
filter the report based on the  
'Current employee  
Call  
FilterReport("rpt2008ProcedureReview",  
strUserID)
```

```
' Allow the report to refresh  
after filtering  
DoEvents
```

```
' Send the snapshot of the  
report to the current
```

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```
employee  
fOk =  
SendReportByEmail("rpt2008ProcedureReview",  
strEmail)
```

```
' Display message if failure  
If Not fOk Then  
MsgBox "Delivery Failure  
to the following email  
address: " &  
strEmail  
End If
```

```
' Move and loop  
rst.MoveNext  
Loop
```

```
' Clean up  
rst.Close  
Set rst = Nothing  
dbs.Close  
Set dbs = Nothing
```

...

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