

# Re: CreateControl command Crashes Access

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  - *Date:* Tue, 28 Mar 2006 10:33:45 +0800
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This approach is not going to work.

There is a finite number of controls Access can handle on a form (a few hundred.) If you are deleting controls and creating them again, this number will quickly be exceeded, and your algorithm will fail. Compacting the database between creates does reset the number of controls again, but is not a satisfactory workaround.

If you really must have a button for each record, you might consider creating a continuous form bound to the table. Placing a single command button on the form will then give you a stack of buttons (one above the other) in continuous view.

CreateControl() is useful only for wizard-type interfaces where you are helping a user to design their own form. It is not useful for a runtime process. It will prevent you from turning your application into an MDE. It causes bloat and instability in the application. There has to be a better approach to whatever you are trying to do.

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Tips for Access users – <http://allenbrowne.com/tips.html>  
Reply to group, rather than allenbrowne at mvps dot org.

<chammock@xxxxxxxxxxxxxxxx> wrote in message  
[news:1143489104.089010.242800@xx](mailto:news:1143489104.089010.242800@xx)

I have a process application with these details.

I have a starting form that collects a few details and then opens a detailed form with lots of command buttons being created in code. To create the command buttons, the form is cleaned up to remove any command buttons from a previous session and recreate them in code and assign click events to each button.

Clicking one of the command buttons opens another form and allows the user to collect more data. Once the data is collected, it returns back to the main form with the command buttons updated to reflect the new

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data, i.e. if a user saves a record related to the command button that button then becomes disabled, as each user can only have one record associated with a command button.

On the main form, there is an Edit mode button that opens the form in design mode, disables all the command buttons and then re-enables only those buttons that represent the current users records. Clicking a command button takes them back to the record they saved and allows them to update or delete it. This is a single user system at a time, but more than one user can use it over time.

Once in Edit mode, the same button then becomes a Back to Inspection Mode button. The intent is to open the same form with all the command buttons in design mode, delete all the command buttons and then rebuild the form to represent the current status of all the buttons for this user. In fact, this is really just the same process as takes place initially, since I cleanup the form to start with to take care of any prior session buttons or code.

Going Back to Inspection Mode opens the form fine in design mode and runs a Function to delete all the command buttons and cleanup the code. When I try to recreate all the command buttons at this time it appears to get to the point where it executes this code.

```
MsgBox "StrStatus: " & strStatus
Set ctl = CreateControl(strSideTemplate, acCommandButton, , , ,
rs![FastenerXCoordinate] * 1440, rs![FastenerYCoordinate] * 1440)
```

The message box fires correctly with the right information, but at that point I cannot step through the execution of the code. Even with a break point on the Set ctl line, Access says it cannot break and I have to hit the continue button. Then next thing that happens is that Access crashes. I am not 100% sure where it crashes so here is some more of the code around that area.

```
Do While Not rs.EOF
strStatus = GetFastenerStatus(intTailNumberID,
rs![FastenerID], intInspectorID, strPanel)
'MsgBox "StrStatus: " & strStatus
Set ctl = CreateControl(strSideTemplate, acCommandButton, , , ,
rs![FastenerXCoordinate] * 1440, rs![FastenerYCoordinate] * 1440)
ctl.Caption = rs![FastenerNumber]
ctl.Height = 0.275 * 1440
ctl.Width = 0.275 * 1440
ctl.FontSize = 7
ctl.TabStop = False
ctl.Name = "vbacmd" & rs![FastenerNumber]
```

```
If strStatus = "Complete" Then
'set control to be disabled and set tooltip
ctl.Enabled = False
```

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```
ctl.ControlTipText = "Complete"
ElseIf strStatus = "AlreadyInspectedByThisInspector" Then
'set control to be disabled and set tooltip
ctl.Enabled = False
ctl.ControlTipText = "This inspector has already inspected
this hole"
ElseIf strStatus = "NeedsRepair" Then
'set control to be disabled and set tooltip
ctl.Enabled = False
ctl.ControlTipText = "Needs repair and reinspection"

ElseIf strStatus = "RequiresLevel3" Then
'set control to be disabled and set tooltip
If intInspectorLevel <> 3 Then
ctl.Enabled = False
ctl.ControlTipText = "Requires Level 3 inspector"
End If
Else
End If
'For each command button create the Click event
Set mdl = frm.Module
' Add event procedure.
lngReturn = mdl.CreateEventProc("Click", "vbacmd" &
rs![FastenerNumber])
' Insert text into body of procedure.
mdl.InsertLines lngReturn + 1, vbTab & "Call
PerformValidation(" & intTailNumberID & "," & intInspectorID & "," &
rs![FastenerID] & ", "" & strSideTemplate & """"")

rs.MoveNext
Loop
```

In reality, I am running the same Functions to get Back to Inspection Mode as I run to get to Inspection Mode to start with. I have checked to see if I am leaving any objects open, etc. with no success. I have tried to run the code through another form as an intermediate step with no success.

I have tried so many things and cannot get it to not crash. I am on about the 4th day of working this single issue. I know this could be something trivial but it is hard to troubleshoot. If anyone has the heart, I could send them a copy of the mdb to look at and possibly do a phone call. I am willing to PayPal to someone if they can help solve this issue as I know we all have work to do.

Thanks.