

Multiuser record lock query?

Source: <http://www.tech-archive.net/Archive/Data/microsoft.public.data.ado/2004-03/0439.html>

From: Gitendra Proctor (gproctor_at_ihug.com.au)

Date: 03/28/04

Date: Sat, 27 Mar 2004 19:41:06 -0800

Hi

I have a routine that generates an unique sequential value that I use for a key in an table, see code if needed below. Since I am in a multiuser enviroment I use the BeginTrans & ComitTrans to lock a seperate database so that I dont get two identical keys.

QUERY 1:

Is this the best way to do this? Am I doing the right thing?

QUERY 2:

What happens if user 2 enters this code while user 1 is in the transaction. Should I check if a transaction is taking place and exit (I'll take some action in this event like: re-try again in a loop x times, or give a message "system busy, try again in a few seconds, etc.,). If so, how do I check for this condition?

I'm using Visual Basic 6, talking to an Access 2003 database.

Thanking you in advance for your help.

Gitendra
gproctor@ihug.com.au

-----CODE-----

```
Public Function lngGetNextCustomerNumber() As Long
```

```
    Dim rs As ADODB.Recordset 'Auto Customer Numbers
```

```
    '
```

```
    On Error GoTo LocalError
```

```
    '
```

```
    Set rs = deIndexes.rsCustomerNumberKey  
    rs.Open
```

```
    deIndexes.conIndexes.BeginTrans 'Begin lock.
```

```
    If rs.RecordCount = 0 Then
```

```
        rs.AddNew
```

```
        lngGetNextCustomerNumber = 1
```

microsoft.public.data.ado: Multiuser record lock query?

Else

rs.MoveFirst

lngGetNextCustomerNumber = rs.Fields("CustomerNumber") + 1

End If

rs.Fields("CustomerNumber") = lngGetNextCustomerNumber

rs.Update

deIndexes.conIndexes.CommitTrans 'End lock

rs.Close

Set rs = Nothing

Exit Function

LocalError:

With Err

MsgBox CStr(.Number) & vbCrLf & .Description & vbCrLf & .Source, vbCritical,
"modGlobal->lngGetNextCustomerNumber()"

End With

End Function