

Next Meeting

Date: Thursday, November 15th, 2007

Time: 6:00 PM to 6:30 PM - Networking
6:30 PM to approx. 9:00 PM - Main Meeting

Location: **Microsoft USA - Rocky Mountain District**
7595 Technology Way
Suite 400 (4th Floor)
Denver, CO 80237
([driving directions](#))

DAAUG Website: www.DAAUG.org

First Annual Thanksgiving Party



With the changes to the meeting schedule this year we will be celebrating the year of Microsoft Access and the Access community one month earlier than in years past. Join us for the first annual DAAUG Thanksgiving party as we give thanks to you for your support of Microsoft Access and the Microsoft Access user community. Partake in a Thanksgiving feast with traditional Thanksgiving foods, fun and special Thanksgiving door prizes. This month's presentation will be less formal and more interactive for your enjoyment. Come spend a relaxing evening with your fellow Access community members before the rush of the holiday season is upon us. We hope to see you there.

This Month's Presentation

“Let's Build an Application from Scratch”

Presenter: Jim Pilcher

It's often said that the most common type of Access database is the one you inherit. This month we will do the uncommon thing and assemble a new database from scratch during the DAAUG meeting. Discover some of the reasoning that goes into table, menu, and form design when handling a totally new application. Your Lab Director, Jim Pilcher, will guide the audience through this participative exercise. The resulting application will be available to those who bring a USB flash drive with them on this evening.

Jim Pilcher is a prominent Microsoft Access developer in the Colorado front range area, having worked with Access professionally since 1992. A Microsoft Certified Professional, Jim's company, DataOne, Inc., maintains a broad clientele base providing Access & SQL Server solutions for local enterprises and large international companies.

See Jim's company profile on our DAAUG web site in the Consultant list and on his web site at www.DataOneDenver.com.

Short Demonstration

There will be no short presentation due to a change in this month's meeting format.

No DAAUG Meeting in December

This year, your Denver Area Access Users Group has decided on two changes to the meeting schedules.

- 1) We will no longer hold a regular monthly meeting in December. Meetings will still fall on the 3rd Thursday of each month except for December.
- 2) Lab nights have been changed to the last Wednesday of the month instead of the 4th Wednesday of the month. We hope you will find this change in the rule easier to work with and it has the added benefit of allowing us to hold a November Lab Meeting.

From the Prez

“Change is Underfoot...”

As you will find as you read through this month's newsletter, there are several changes to your group happening.

First, we are moving the lab to the last Wednesday of the month. This will impact January, April, July, and October next year. Another change we are making is

moving our "Holiday" party to November as a Thanksgiving party. Just like several of the other user groups in town, we are not going to meet in December. To balance having one less meeting this year, we are going to have a lab in November.

As with all change, these changes are subject to change sometime in the future. Let your officers know what you think.

Next year we are going to have several changes on the board. I will not be running for president next year. Two years is enough. It's time for someone else to step forward. Also, Danny has notified us that he will not be running for vice-president next year. This is **your** group. We need **you** to step forward. Look over the descriptions of the offices at <http://www.daaug.org/officers.asp>. See what fits and plan to run in January.

Speaking of stepping forward, no one is offering to do any presentations. My crystal ball says that Jim and I will be splitting those duties next year. If you get tired of listening to the two of us, you have no one to blame but yourselves. Because of the number of presentations we will have to make, you are going to find them a little less formal and not quite as polished as our previous presentations. Jim and I both have business to run. We just don't have the time to fully prepare six to ten presentations without impacting our businesses. You don't have to be a perfect speaker. There's only one way to become a good speaker and that is to get up in front of the group and do it. Unless you are using our group as a social time and not using Access at home or in your business, you **do** have something to talk about that would be of interest to the group. I am done being P.C. about this. Get up off of your **a**** and sign up for a presentation next year. If you need help, I will bend over backwards to help you be successful. All you have to do is ask.

See you all next week.

Your Prez,
Sco

DAAUG Board Elections

Now is a good time to begin thinking about how you can support your Denver Area Access Users Group in the upcoming year. There are six board positions to fill. Each position has its own rewards, both personal and professional, and no position is extremely time-consuming. Please visit the [Officer's](#) page on the [DAAUG Website](#) for more information about each position.

Last Month's Giveaway Winners

Members who attend the main meeting are eligible to win one of many prizes provided by the Denver Area Access Users Group and its generous sponsors.

\$20 Softpro Cert - Lindsay Wert
SQL Server 2005 - Art Bailey
Jewel Cases - J K August
Night Lite - Mark Evans
Retractable Networking Cable - Mark Trevithick
MS Access 2007 for Dummies - Ken Jensen
Wiley Book - Jim Hutto

New and Renewing Members

The Denver Area Access Users Group gives thanks to our new and renewing members for supporting our user group.

Jim Pilcher – and he’s paid up for two years!!!
Jim Hutto
Ryan Stolcpart
Ken Jensen

Access/VBA Tip of the Month

“Transaction Processing in Access with VBA and DAO”

There are times in a database application when you want multiple updates and/or additions to occur, and you want to be sure that *all* of them occur at one time. Additionally, you want to be sure that if any one of the multiple actions fails, that the entire group fails. It can be very difficult to undo or complete a set of actions that stops dead in its tracks somewhere in the middle. This is where *transaction processing* comes into play with VBA and DAO.

Scenario: I have an order processing application. As part of that, the client needs to receive payments and record them. Every time a new payment is entered, the application has to calculate and update the invoice current balance and the customer current balance. These must happen in tandem and not independently. So, I employ the following bit of code:

```
Private Sub PostPayment(ByVal plngCustomerID as Long, _  
                        ByVal plngInvoiceID as Long, _  
                        ByVal pcurAmountPaid as Currency)  
    Dim ws as DAO.Workspace  
    Dim db as DAO.Database  
    Dim qdf as DAO.Querydef  
    Dim rsPayment as DAO.Recordset  
  
    On Error GoTo ErrorHandler
```

```

Set ws = DBEngine.Workspaces(0)
Set db = CurrentDB()

Set rsPayment =
db.OpenRecordset("tblAdjustments", dbOpenDynaset, dbAppendOnly)

ws.BeginTrans
On Error GoTo ErrTrans

With rsPayment
    .AddNew
    !CustomerID = plngCustomerID
    !Invoice = plngInvoiceID
    !AdjustmentDate = Date()
    !AdjustmentAmt = pcurAmountPaid
    !AdjustmentType = "Payment"
    .Update
End With

Set qdf = db.Querydefs!qupdCustomerBalance
qdf.Parameters!CustomerID = plngCustomerID
qdf.Parameters!AmountPaid = pcurAmountPaid
qdf.Parameters!LastPayment = Date()
qdf.execute dbFailOnError

Set qdf = db.Querydefs!qupdInvoiceBalance
qdf.Parameters!Invoice = plngInvoiceID
qdf.Parameters!AmountPaid = pcurAmountPaid
qdf.execute dbFailOnError

ws.CommitTrans

ExitProc:
    On Error Resume Next
    rsPayment.Close
    Set rsPayment = Nothing
    Set qdf = Nothing
    Set db = Nothing
    Set ws = Nothing
    Exit Sub

ErrTrans:
    ErrLog "Form_fdlgAdjustment.PostPayment (Transaction Error)"
    ws.Rollback
    Resume ExitProc

ErrorHandler:
    ErrLog "Form_fdlgAdjustment.PostPayment"
    Resume ExitProc

End Sub

```

In this example, I open the adjustments table where payments, credits, adjustments, writeoffs, etc. are posted for accounting purposes. Then, within the transaction block I post the payment *and* I update the invoice total balance *and* I update the customer's total balance due. By including all three actions within a single transaction block, I can be assured that the balance due fields always accurately reflect the sum of the charges less the sum of the adjustments. If something goes wrong with any of the

three actions, the error handler logs the error, reports it on screen to the user, and rolls back the transaction so it's as though nothing ever happened. And, of course, nothing did.

Note that this code is not at all comprehensive. In this example I merely roll back the transaction if there is a problem. In real life, you will want to have additional code in place that deals with the rollback and offers the user the ability to fix the problem so the payment can be properly recorded. I will leave that portion of the problem to your imagination as it's not really part of showing you how transaction code is structured.

And lastly, some of you may wonder why I'm storing one or more calculated values in the Invoice and Customer tables. That's not "proper" relational design, right? In this case it is a client business requirement, and I rarely argue with the person who pays my invoices. In the case of the Customer table, it is also a potential time saver. Some customers have hundreds of past orders with thousands of associated line items. It can take time to recalculate all charges and payments before a current balance can be put on the screen. By using reliable transaction blocks, I can keep the running total accurate as each order is placed and payment is received.

So there you have it. Transaction processing can give you much peace of mind when plowing through multiple related actions in a database. One of my applications houses seven action queries within a transaction block. Transaction processing in VBA/DAO creates a very reliable way to ensure that my data integrity is maintained.

Your Lab Director, 2006-2007,
Jim Pilcher
DataOne, Inc.
(720) 301-0479

Colorado Event Calendar Website

To find user group meetings and other programmer related events in the Denver metro area and throughout Colorado, be sure to check out www.MSColoradoEvents.com.

If you know of a user group that is not posting their meetings, please let them know about www.MSColoradoEvents.com and have them contact the administrator at administrator@mscoloradoevents.com.

Denver Visual Studio User Group

As a service to our sister group...

Monday, November 26th, 2007 (4th Monday each month)

Networking & Refreshments 5:30 p.m., Meeting 6:00 - 9:00 p.m.
Location: Microsoft, Desert Mountain (Denver)

Microsoft's Web UX platform: Silverlight, ASP.NET, and AJAX
with Tim Heuer, Microsoft Developer Evangelist

Let's take a deeper look at leveraging the web platform of technologies in a different way. We'll look at Silverlight and creating your own controls, integrating with HTML controls, and using Silverlight with data services.

For our complete agenda and e-mail, join the Denver Visual Studio Users Group™ at www.DenverVisualStudio.net.

Member to Member

Do you have something that might be of interest to other DAAUG members? Have a service? Something to sell? Looking for something? Then this section is for you. And no, it **doesn't** need to be computer or Microsoft Access related. Send your listings to Communications@daaug.org with "DAAUG: Member to Member" in the subject line.

Access classes by M.L. "Sco" Scofield

Check out our online schedule at <http://www.scobiz.com/ClassSchedule.asp>. We offer classes at all levels from beginning to advanced. To find the right class for you, check out our web site, call Sco at 303-757-7768, or send an email to Training@ScoBiz.com.

Be sure to ask for the special DAAUG member discount.

Linx Consulting, Inc. would like to help your organization

[Linx Consulting, Inc.](http://www.linxco-inc.com) offers database application development for organizations, large and small. Linx Consulting, Inc. develops applications using MS Access 2000-2007, SQL Server 97-2005, PostgreSQL 8.x, VB.Net 2003-2005, Crystal Reports and other technologies with a focus on database applications that use MS Access as the user front-end and MS Jet or a server database engine as the back end.

For more information on how we may serve you, please call Patrick Headley at (303) 916-5522 or visit our Website at www.linxco-inc.com. The entire Website contains examples of what we can do for your database application or Website. Each click on the sample link displays a different sample. Please take a look.

EFT Clinic for Stress and Anxiety Relief

Come experience this powerful energy therapy! There is no charge for the first visit.

Bring some stressful or anxious thought, emotion and/or physical symptom and leave without it! Get a healing and learn how to use EFT on yourself in the process.

Dates: 2nd Tuesday: September 11, October 9, November 13

Time: 6:45—8:30 pm *Be there at 6:45 to register, because we are starting promptly at 7:00.*

Cost: The first visit to the clinic is free. Subsequent visits are \$29.

Where: Center for Wholistic Healing
8600 W. 14th Avenue, Suite 3 (enter on the east side of building)
Lakewood, CO 80215

EFT Practitioner: Barbara Hagerman, EFT-ADV

Info: 303.667.2223

A Message from the Editor

“Presentations and Presenters”

We are always looking for speakers and topic ideas for our monthly meetings. To volunteer to be a speaker or to suggest a topic, see our Vice President, Danny Lesandrini (vicepresident@daaug.org) or President, Sco Scofield (president@daaug.org). You may also email one of them with "DAAUG Speaker" or "DAAUG Topic" in the subject line of your message.

This is your group and we need your support. You don't have to be a professional speaker to give a presentation. Your presentation can be about anything that's Microsoft Access related.

We are always looking for articles for our monthly newsletter. Send your articles to Communications@daaug.org with "DAAUG Article" in the subject line.

Please visit www.DAAUG.org for the latest news, consultant lists, officer email addresses and more.

This newsletter is being sent to everyone on the DAAUG mailing list, including members, past members, and people that have been associated with the group. If you are a non-member and wish to be removed from our list, please send an email to Communications@daaug.org with "REMOVE" in the subject line.