

Don't Bring a Spreadsheet to a Database Fight: A Case for Microsoft Access

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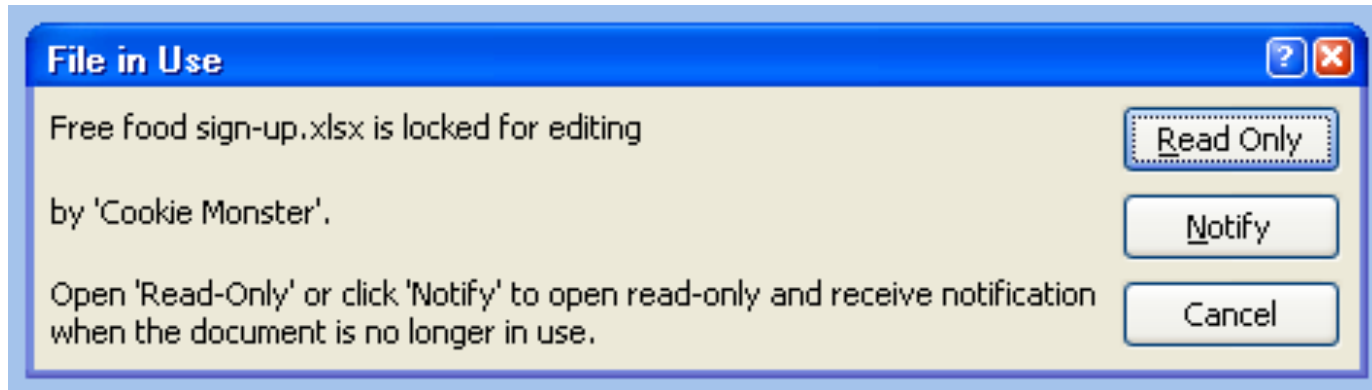
Agenda

- Spreadsheet vs. database
- Lookup tables
- Project Tracking
- Invitations

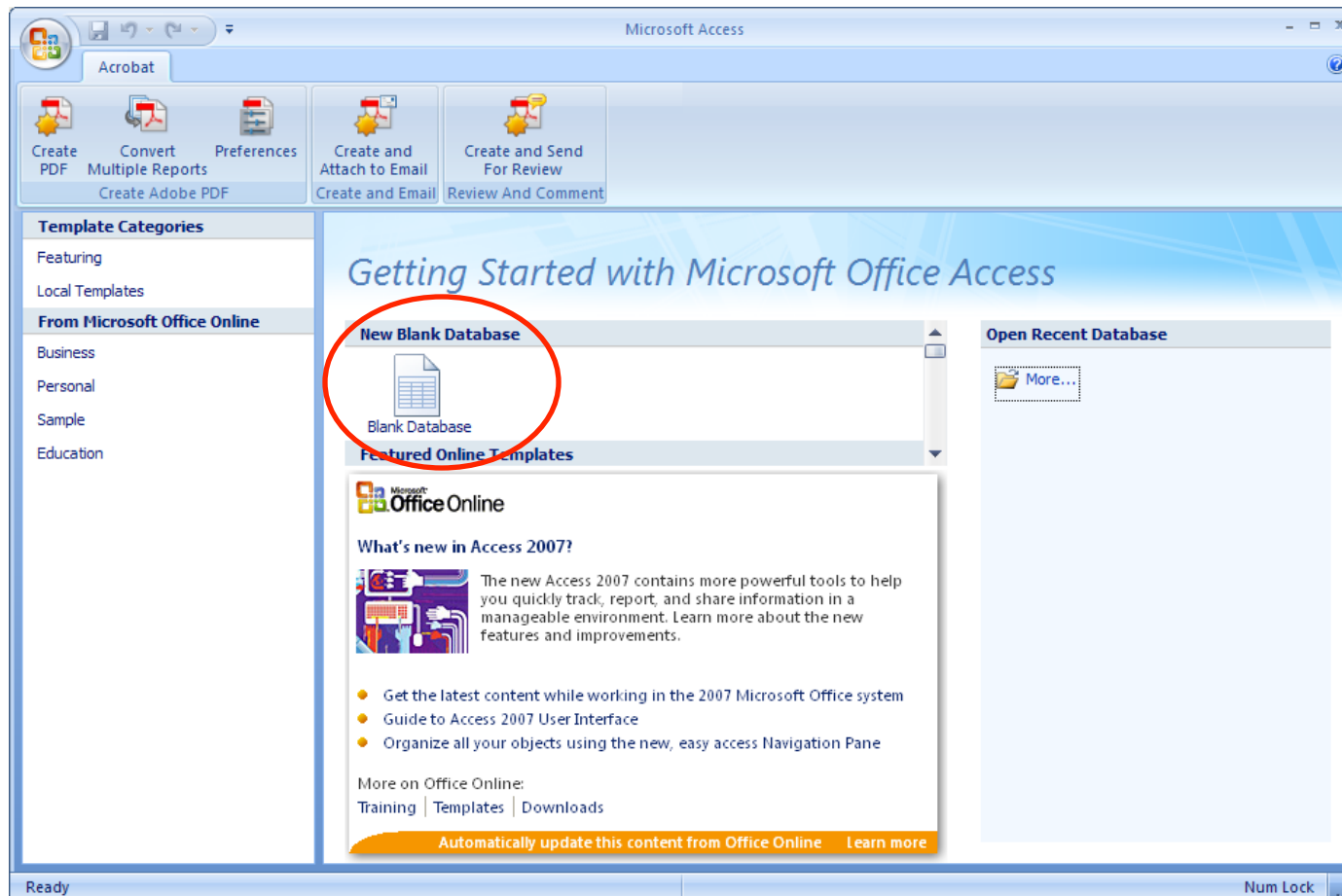
Motivation



Excel



Create a New Database



Name and Save DB

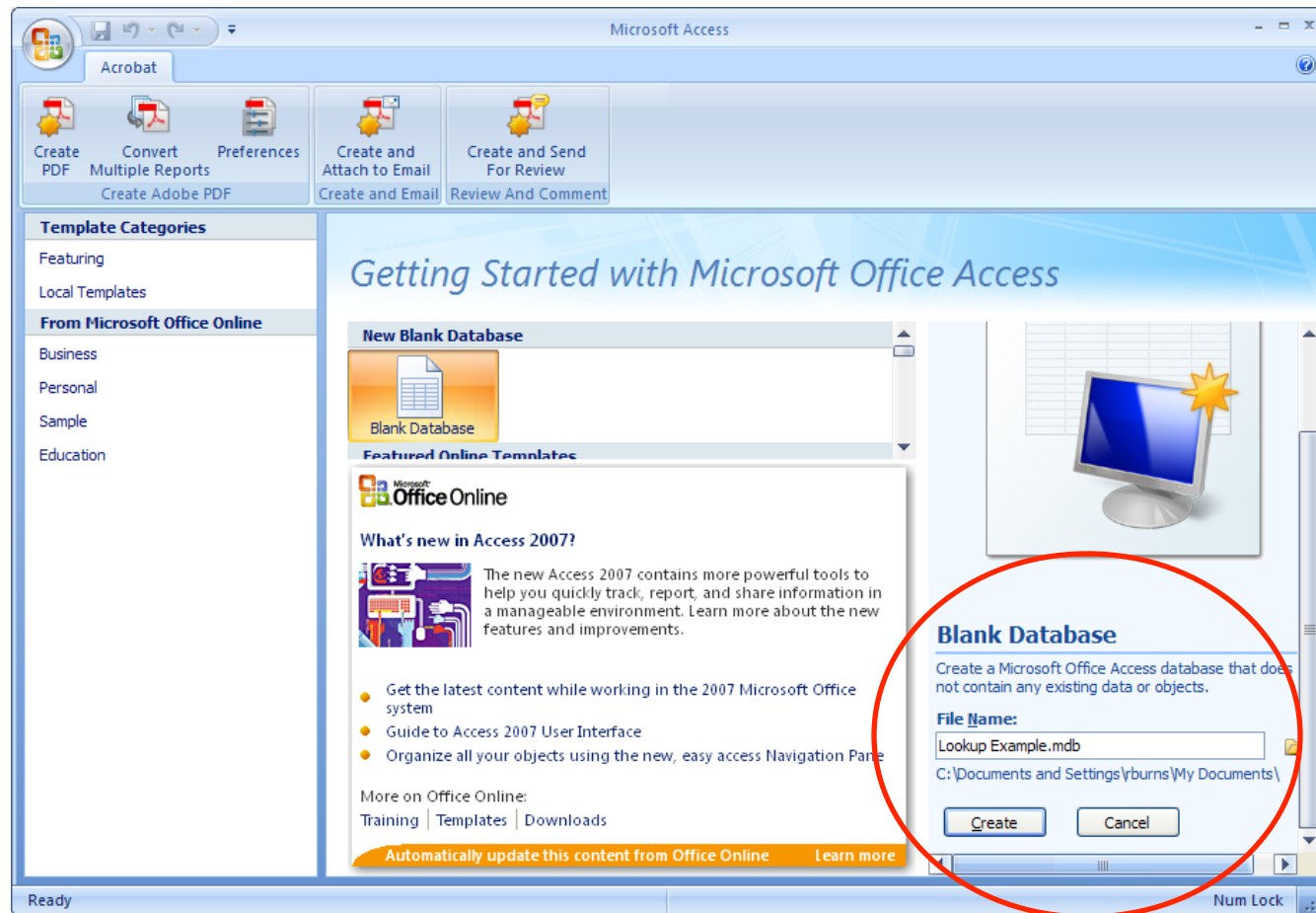


Table Design View

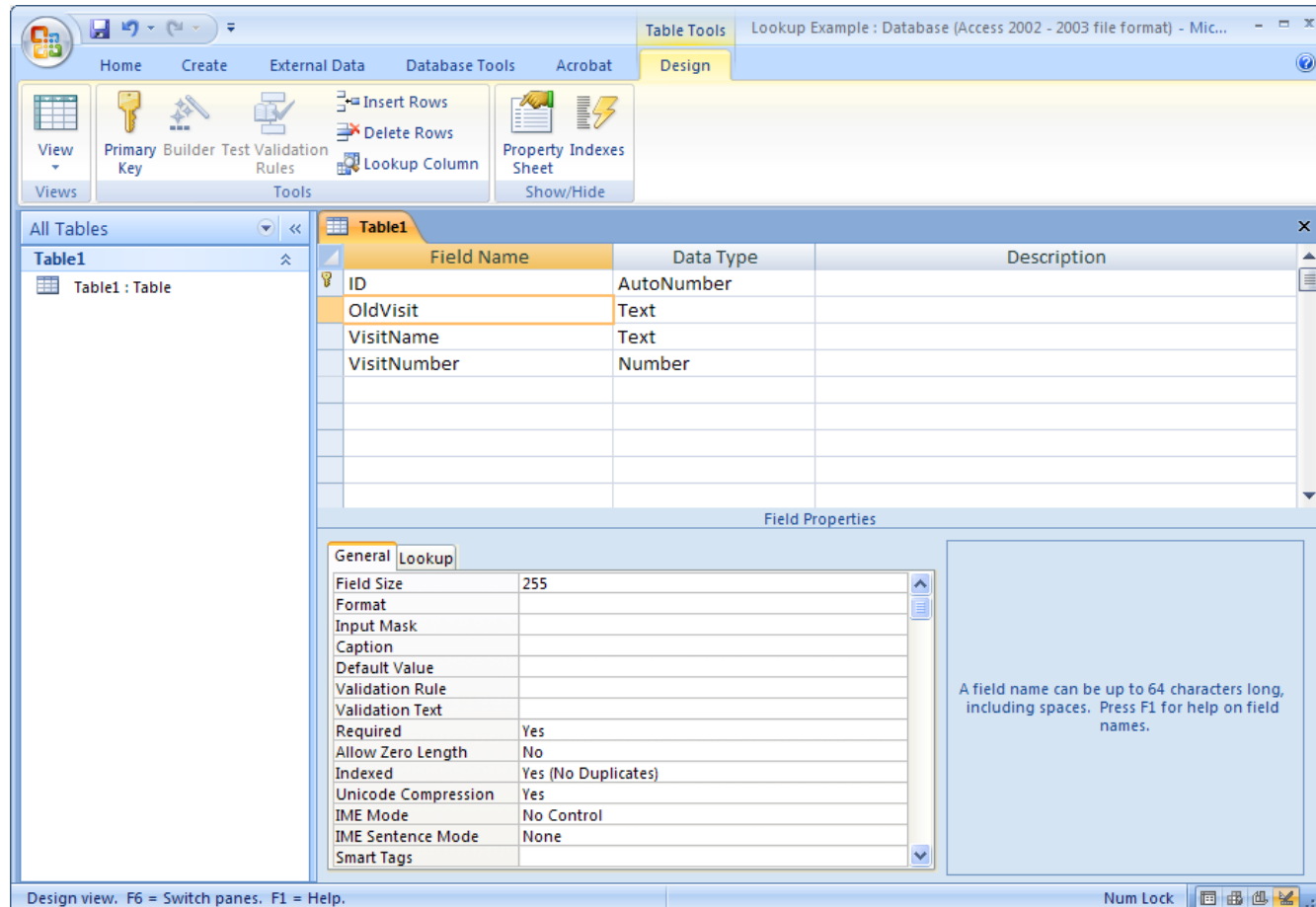


Table Datasheet View

The screenshot shows the Microsoft Access interface in Datasheet View for a table named 'Table1'. The ribbon includes 'Table Tools' with sub-tabs for 'Datasheet', 'Records', 'Sort & Filter', and 'Find'. The 'Datasheet' tab is active, showing a grid of data. The 'Records' tab shows options like 'Refresh All', 'New', 'Save', 'Delete', 'Totals', 'Spelling', and 'More'. The 'Sort & Filter' tab shows 'Filter', 'Advanced', and 'Toggle Filter'. The 'Find' tab shows 'Find'. The 'Table1' table is selected in the 'All Tables' pane on the left. The table has four columns: 'ID', 'OldVisit', 'VisitName', and 'VisitNumbe'. The data is as follows:

ID	OldVisit	VisitName	VisitNumbe	Add New Field
1	V1	VISIT 1: SCREENING	1	
2	V2	VISIT 2: DAY 1	2	
3	V3	VISIT 3: DAY 7	3	
4	UNS	UNSCHEDULED	99	
*	(New)			

The status bar at the bottom indicates 'Record: 1 of 4' and 'No Filter'.

Project Tracking

Consulting Projects Master List

Home Create External Data Database Tools Acrobat

Consulting

Rho® Consulting Projects

Who Has Active Within 90% of Cap Within 80% Number of Project by Lead All Consulting Active Primary Fields Archive Week Current

Project Code	Sponsor	Project Lead	Description of Work	Clinical Area	Rho Personnel	Sponsor Contact	Deliverables
522453168D	ABC	Walheim, Rex J.	Regulatory Consulting and submission work.	Opthamology	Walheim, Rex J., Walker, Shannon, Wheelock, Douglas H.	Whitson, Peggy A.	Regular IND submissions
51862415DE	Acme	Aunon, Serena M.	Producing Tables for 6 or 7 Protocols	Opthamology	Foale, C. Michael	Marshburn, Thomas H., Massimino, Michael J., Mastracchio, Richard A.	Tables and Analy: Datasets
516436157A	Akusticos	Acaba, Joseph M.	Ad hoc/exploratory analyses, FDA meetings, other work outside of main contract	Submental fat reduction	Acaba, Joseph M., Coleman, Catherine G.	Kopra, Timothy L., Lindgren, Kjell N.	FDA meeting upcoming. sampl size/phase 3 prot work.
51917115F7	B Paradise	Aunon, Serena M.	General Consulting	Chronic Pain	Fossum, Michael E.	Metcalf-Lindenburger, Dorothy M.	N/A
521359165B	Banana Shack	Sturckow, Frederick W.	Statistical consulting, regulatory meeting preparation, protocol consulting, teleconferences.		Pettit, Donald R., Sturckow, Frederick W., Swanson, Steven R.	Virts, Terry W., Jr.	Create new mode first round of simulations

Record: 1 of 18 Unfiltered Search

Form View

Num Lock

Rho®

Giving flight to research

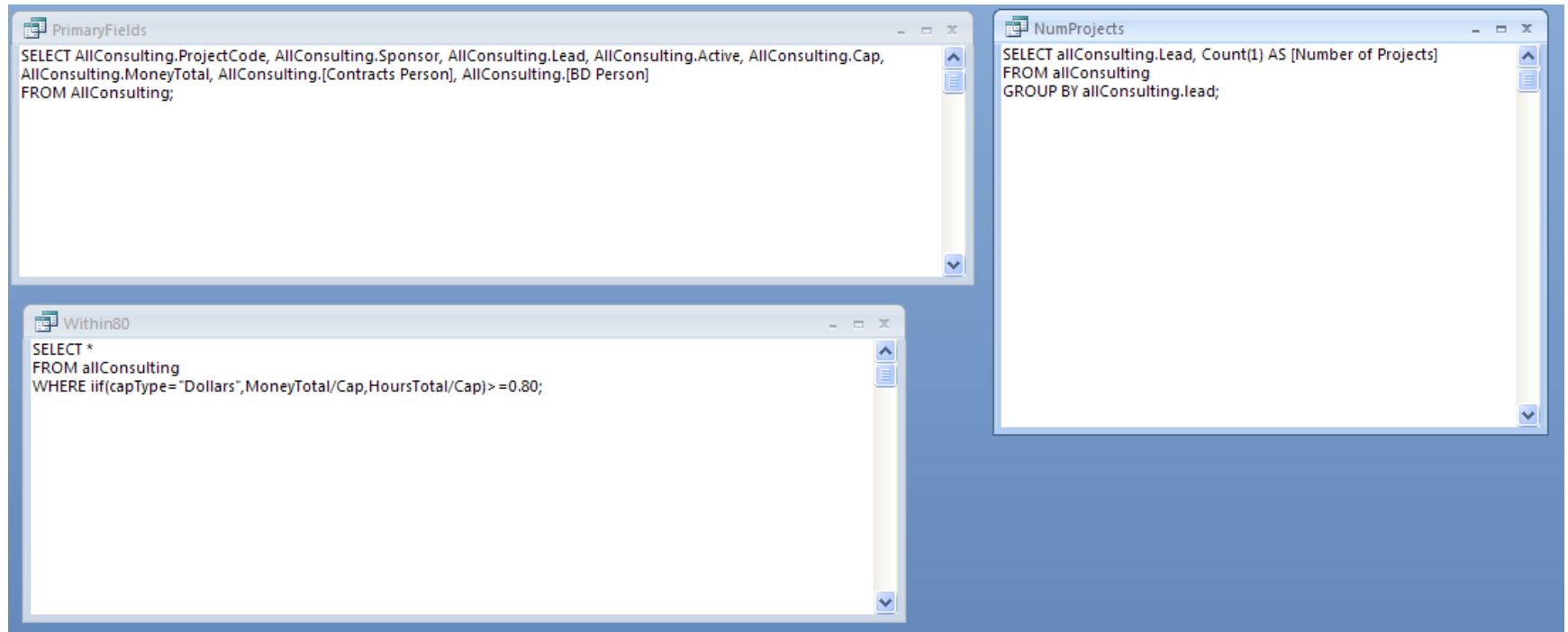
Queries as Reports

PrimaryFields							
ProjectCode	Sponsor	Lead	Active	Cap	MoneyTotal	Contracts Person	BD Person
51315414E4	Norklin	Arnold, Richard	Yes	5000	\$5,383.20	Bowen, Stephen G.	Burbank, Daniel C.
51370114FD	Camalu	Arnold, Richard	No	30000	\$139,231.76		
5142481516	Mayan	Arnold, Richard	Yes	46000	\$17,639.70	Boe, Eric A.	Bresnik, Randolph J.
514795152F	Count de Monte	Arnold, Richard	Yes	10000	\$5,289.75	Behnken, Robert L.	Caldwell Dyson, Tracy
5153421548	Pozuelo	Arnold, Richard	Yes	4000	\$14,087.55	Boe, Eric A.	Bresnik, Randolph J.
5158891561	Springfield Nuclear	Acaba, Joseph	No (On hold)	50000	\$12,003.75	Behnken, Robert L.	Burbank, Daniel C.
516436157A	Akusticos	Acaba, Joseph	Yes	150000	\$132,478.75	Boe, Eric A.	Burbank, Daniel C.
5169831593	Chespi	Antonelli, Dora	Yes		\$17,725.00	Behnken, Robert L.	
51753015AC	Marx Bros	Arnold, Richard	Yes		\$83,755.55	Bowen, Stephen G.	Bresnik, Randolph J.
51807715C5	Marx Bros	Aunon, Serena	Yes		\$39,455.25	Bowen, Stephen G.	Bresnik, Randolph J.
51862415DE	Acme	Aunon, Serena	Yes	60000	\$26,248.75	Bowen, Stephen G.	Burbank, Daniel C.
51917115F7	B Paradise	Aunon, Serena	No	28650	\$28,038.75		
5197181610	Stooges	Aunon, Serena	No		\$15,480.00	Bowen, Stephen G.	Bresnik, Randolph J.
5202651629	Horizon	Pettit, Donald	Yes	25000	\$31,220.95	Boe, Eric A.	Caldwell Dyson, Tracy
5208121642	Marx Bros	Stott, Nicole P.	Yes	263391	\$118,563.75	Bowen, Stephen G.	Bresnik, Randolph J.
521359165B	Banana Shack	Sturckow, Fred	Yes	250000	\$18,170.02	Boe, Eric A.	Bresnik, Randolph J.
5219061674	Kikakee	Tani, Daniel M.	Yes	50000	\$7,926.75		
522453168D	ABC	Walheim, Rex	Yes	78750	\$57,066.25	Bowen, Stephen G.	Caldwell Dyson, Tracy
*							

NumProjects	
Lead	Number of Projects
Acaba, Joseph M.	2
Antonelli, Dominic A.	1
Arnold, Richard R.	6
Aunon, Serena M.	4
Pettit, Donald R.	1
Stott, Nicole P.	1
Sturckow, Frederick W.	1
Tani, Daniel M.	1
Walheim, Rex J.	1

Within80						
ProjectCode	Sponsor	Lead	DescriptionOfWork	ClinicalArea	Deliverable:	Rho Person
51315414E4	Norklin	Arnold, Richard	Protocol consulting for a Phase II project	Toenail fungus		
51370114FD	Camalu	Arnold, Richard	Sitting on a DSMB	Sickle Cell		
5153421548	Pozuelo	Arnold, Richard	Protocol Consulting	Asthma	Looking for sta	Chamitoff, C
516436157A	Akusticos	Acaba, Joseph	Ad hoc/exploratory analyses, FDA mee	Submental fat reduction	FDA meeting u	Acaba, Jose
51917115F7	B Paradise	Aunon, Serena	General Consulting	Chronic Pain	N/A	Fossum, Mic
5202651629	Horizon	Pettit, Donald	Sample Size Calculation, other regulat	Respiratory Infection		Polansky, M
*						

Queries' Source



The image displays three separate SQL query windows, each with a title bar and standard window controls. The windows are arranged in a 2x2 grid, with the bottom-right position empty.

- PrimaryFields** (top-left):

```
SELECT AllConsulting.ProjectCode, AllConsulting.Sponsor, AllConsulting.Lead, AllConsulting.Active, AllConsulting.Cap,
AllConsulting.MoneyTotal, AllConsulting.[Contracts Person], AllConsulting.[BD Person]
FROM AllConsulting;
```
- Within80** (bottom-left):

```
SELECT *
FROM allConsulting
WHERE iif(capType= "Dollars",MoneyTotal/Cap,HoursTotal/Cap)>=0.80;
```
- NumProjects** (top-right):

```
SELECT allConsulting.Lead, Count(1) AS [Number of Projects]
FROM allConsulting
GROUP BY allConsulting.Lead;
```

Party

Susan's Going to Grad School—Let's Eat!

Home Acrobat

Paste
Clipboard

Font

Rich Text

Records

Sort & Filter

Size to Fit Form
Window

Switch Windows

Find

Find

Susan's Potluck

Your name:

BACK TO SCHOOL

Type of food/help:

Specify what you're bringing, if known:

[See what other people are bringing.](#)

Guess Sue's age (required):

OK Cancel

Record: 1 of 1 No Filter Search

Form View Num Lock

Formatted Report

SignUp		
<u>Type</u>	<u>Who</u>	<u>What</u>
Dessert	Alberto Warnken	
	Anibal Tejada	Cookies
	Gualberto Alonso	Cookies or brownies
Drinks		
	Costel Rădulescu	Soda
	Martin Apesteguy	Soda
Main dish	Gaspar Vallejo	beef salad
	Henri Christophe	Meatballs
	Jose Macias	Greek-style salad
	Thomas Balvay	rice with lots of veggies.
	Ulises Saucedo	Hummus/Pita
Side dish	Almeida Rêgo	Marinated Artichoke Hearts
Surprise!	Domingo Lombardi	
	Francisco Mateucci	
	Jan Langenus	
	Ricardo Vallarino	

Auxiliary Tables

SignUp

Field Name	Data Type	Description
ID	AutoNumber	
RName	Text	
RType	Text	
TypeSpec	Text	
AgeGuess	Number	

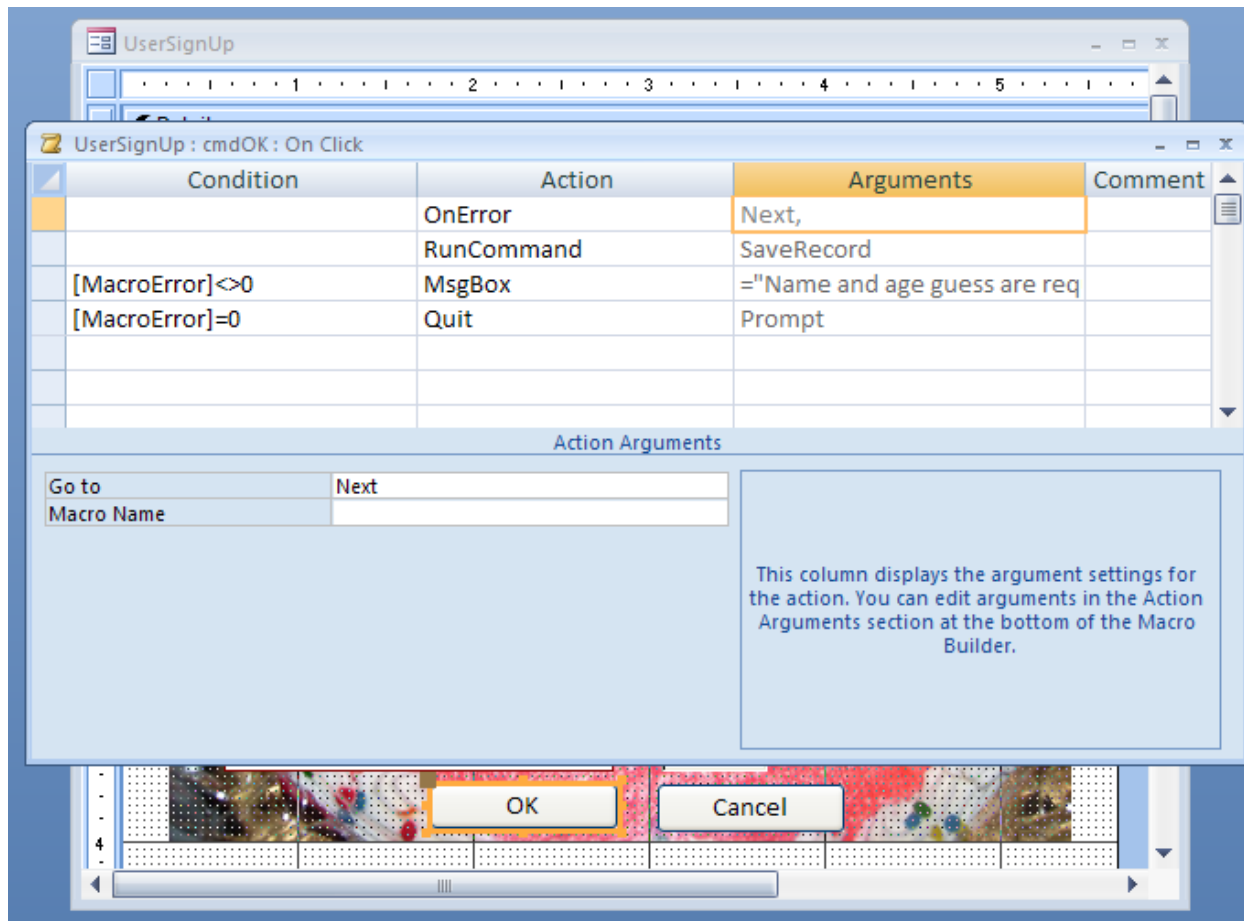
Field Properties

General Lookup

Display Control	Combo Box
Row Source Type	Table/Query
Row Source	SELECT LU_Type.RType FROM LU_Type ORDER BY LU_Type.SOrder;
Bound Column	1
Column Count	1
Column Heads	No
Column Widths	
List Rows	16
List Width	Auto
Limit To List	No
Allow Multiple Values	No
Allow Value List Edits	No
List Items Edit Form	
Show Only Row Source V	No

Type of source for control's data

Macros



Jump In



Thank you for attending.

Send questions or comments to:

Ryan Burns (rburns@rhoworld.com)