

Re: Access 2007 Report

Source:

<http://www.tech-archive.net/Archive/Access/microsoft.public.access.reports/2008-02/msg00446.html>

- *From:* ftwguy <danno467@xxxxxxxxxxxxxxxxxxxx>
 - *Date:* Fri, 15 Feb 2008 21:43:00 -0800
-

Allen:

I had the tables originally broken out into Salesmen, Stores, Product, Order tables and created front end forms for the staff to use. However, they complained as they were accustomed to using tables like an Excel spreadsheet...all columns and rows to traverse. At least I got them to use various tables for each of these 5 products product. Previously they had ONE table with close to 200 columns, and 2200 rows....YES...440,000 cells. It continually locked up due to size.

The complaint is now that we can't do the previous Access Reports that are vital each quarter because I made the 5 separate tables for 5 products. So I have to come up with a solution to make those reports.

Yes, there are still about 20 products left in the MAIN table which might be down to 150 columns now since I removed 5 large volume products into their own tables. But that has created this huge report problems for me now.

"Allen Browne" wrote:

Oh dear; you have a non-normalized design, where the table has many columns instead of many *records* in a related table (the way the Northwind sample database has in the order details table.)

The best solution would be to normalize it. That is create a table of products, and append the unique product names from each of the 5 source databases. Then create the junction table between clients and products.

This ClientProduct table will have fields like this:

ClientID relates to a client in the client table.

ProductID relates to a product in the Product table.

Quantity how many of this product this client bought.

ImportDate when this record was created

You would have to populate this junction table from each of the columns in the main table, and then repeat the process for the other tables. It would be possible to write code that did this.

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I suspect the UNION query idea is going to be impractical. You will end up with errors about too many fields. But if you want to proceed, you would need to define all the possible products in each of the queries, even though there were no records for them. You Null for the fields that don't apply,

e.g.:

```
SELECT [ClientID], [Snack Food], [ice cream], [milk], [water],
```

```
Null as MarsBars, Null As ChewingGum, ...
```

```
UNION ALL
```

```
SELECT [ClientID], Null AS [Snack Food], Null AS [ice cream],
```

```
[milk], [water], [MarsBars], [ChewingGum], ...
```

```
UNION ALL ...
```

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Allen Browne – Microsoft MVP. Perth, Western Australia

Tips for Access users – <http://allenbrowne.com/tips.html>

Reply to group, rather than allenbrowne at mvps dot org.

"ftwguy" <danno467@xxxxxxxxxxxxxxxxxxxx> wrote in message

news:E90A2994-CAF0-4F91-B690-5FAEF7F0FE7E@xxxxxxxxxxxxxxxxxxxx

The answer is:

b) The same CustomerID could be in different databases, and it will be the same customer (names etc will always match), (addresses), (city), (zip) (contact name) etc will always match amongst the individual databases.

The MAJOR difference between all 5 of them is the PRODUCTS and the numeric volume for each product sold.

Therefore, the "columns" from Customer ID through Zip Code are the SAME for all five database tables. The "extra columns" of data for each are as follows:
snack food, soft drink, ice cream, milk, water.

So I need 1 FINAL query or table to show:
customer ID, Store Name, Address, city, state, zip, snack food, soft drink,
ice cream, milk, water, as columns.

This would then give me EACH store with their sales of EACH product on an individual row (record).

I will try to follow your instructions. I am confused as to how to make all columns the same unless you mean to repeat snack food, soft drink, ice cream, milk and water in each query when those fields are NOT in every table...or do

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I need to rename those fields to "generic" titles in tables before I begin the queries and call them product, quantity etc?

Sorry for not completely understanding the procedure.

"Allen Browne" wrote:

By "duplicate customers", I'm not sure if you mean:

- a) The same CustomerID number is used for different customers in the different databases, or
- b) The same CustomerID could be in different databases, and it will be the same customer (names etc will always match), or
- c) The same customer could appear in different databases, but they could have different CustomerID numbers in the different databases.

Similarly, you say the products are all different across the different databases, but it's not clear if the ProductID values are unique. You will certainly need to sort this out before you can proceed.

Once you have done that, it is possible to create a UNION query that combines data from multiple tables, assuming that we are talking about the same fields in the different tables. The process would be:

1. Import or link the tables from the different databases. In Access 2007, click the External Database tab of the ribbon, and click Access on the Import chunk. In previous version, choose Get External on the File menu.
2. Create a query for each of these tables. Make sure the fields are the same in each query, in the same order. (No need to save these.)
3. Switch the queries to SQL View (View menu), and copy the statements into one query, with the words UNION ALL between them. Example:

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```
SELECT Customer, Product, Quantity FROM Table1
UNION ALL
SELECT Customer, Product, Quantity FROM Table2
UNION ALL
SELECT Customer, Product, Quantity FROM Table3;
```

4. Save this query, and use it as the source for the report.

Access can't show you a UNION query in design view, so make sure you have them the way you want them before you combine them.

"ftwguy" <danno467@xxxxxxxxxxxxxxxxxxxx> wrote in message
news:97D769F6-585B-46D3-887D-0A3B4595C9C6@xxxxxxxxxxxxxxxxxxxx

I'm struggling with a report. I have 5 different .mdb files to pull data from to make 1 report. I linked the tables, and tried to create a report but the report only allows 1 record control source. That leaves out the data from 4 tables. Basically, my report will have 1 customer listed with customer ID, name, location. Below that will be the product purchased. All 5 mdb files have duplicate customers, but different products.

The Report ought to look like:

DFW123
ABC Company
123 Anywhere Street
Dallas, Texas 76210

Snack food 500 units
Soft Drink 300 units
Ice Cream 150 units
Milk 700 units
Water 600 units

Note: (the various units come from the 5 tables as record source, but Access only allows one record source)

Presently, if I select tabel 1 as record source,

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then all I get is
table 1
results and all the others show as an error.

I thought I'd try placing all the data info into
1 primary table, then
create a report. However, since I have
necessary duplicates in the
Customer ID, then Access creates one report
for each.