

Re: Report based on calculations of 2 records

Source:

<http://www.tech-archive.net/Archive/Access/microsoft.public.access.reports/2006-05/msg00638.html>

- *From:* strive4peace <strive4peace2006@xxxxxxxxxx>
 - *Date:* Wed, 17 May 2006 23:58:16 -0400
-

Hi Kelvin,

It would help if I knew more about your data structure... can you tell me what your tables and main fields are? From what you wrote, I have figured this much out:

Your structure:

CustomerInfo

CustID, autonumber

Lastname, text

Firstname, text

CustNum, text (ie: Member123),

Address

Phone

Transactions

TranID, autonumber

CustID, long integer

ReceiptNo

TranDate, date

PayTo, date

PayFrom, date

you said, "If he comes again to pay on a different time for 11/01/2006 to 16/01/2006, then another transaction record is added."

My question is this: How do you know what period he is paying for? You are going to add a record in the transactions table for his payment ... Where does the PayTo and the PayFrom information come from? If it is on his statement, where is the information that generated the statement?

Warm Regards,

Crystal

Microsoft Access MVP 2006

remote programming and training

strive4peace2006 at yahoo.com

*

Have an awesome day ;)

Re: Report based on calculations of 2 records

Kelvin Leong wrote:

Hi Crystal,

Is there no other way to generate the report from my existing records? Creating this table will effect the rest of my records and I have more than 20000 of such transaction records to date.

Thanks

"strive4peace" wrote:

SOMEWHERE, you must create the pay periods that the customer will use...

perhaps a table like this:

```
*CustPeriods*
CustPerID, autonumber
CustID, long integer -- FK to customers
Date1, date
Date2, date
PerNum, integer --> calculated field*
```

where PerNum is number sequentially from 1 to whatever

* although I discourage the use of storing calculated fields, sometimes it makes sense from an efficiency point-of-view

When a customer makes a payment, you can choose the period that has been set up form them (store CustPerID)... that way, you have sequential numbers to link to (PerNum) and it is easy to tell if one is missing (just create a Numbers table with LineNum from 1 to whatever and do an outer-join with it)

But, you are still missing something critical -- what if a payment applies to more than one period??? How are you going to handle that?

Warm Regards,
Crystal
Microsoft Access MVP 2006

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Have an awesome day ;)

Re: Report based on calculations of 2 records

Kelvin Leong wrote:

Hi Crystal,

The time zones are not defined. It depends on how much the customer wants to pay. I have experimented creating a module that can be used to compare the previous record but I can't seem to make a report using the following reference:

<http://support.microsoft.com/kb/210504/en-us>

Do let me know if I am heading the right direction.

Thanks.

"strive4peace" wrote:

Hi Kelvin,

What I am really asking is if these "time zones" are defined somewhere... if so, you could have a table

Periods

PeriodID, autonumber

PayFrom, date

PayTo, date

ScheduleID, long integer

--- FK to Schedules if you have different dates for different schedules

LineNum, integer --- sequence number

(within schedule if applicable) for period

Payments

PaymentID, autonumber

PayDate, date

PeriodID, long integer --- FK to Periods table

ReceiptNo

Amount, currency

etc

Then, you can store PeriodID (long integer) in your payments table and, with the LineNum field, you will easily be able to do an outer join to see what is missing.

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By storing PeriodID_start and PeriodID_end (or null if it is ongoing) with the customer and their account, you will also be able to do simple calculations for Running Sums.

You will always have the information in the Periods table accessible by storing the PeriodID -- so you can show PayFrom and PayTo on reports.

You will also be able to log multiple payments for the same period.

Don't payments, however, always apply to the oldest balance first? And what if a payment is applied to parts of 2 different periods? Perhaps you need to approach your data structure from that perspective...

Warm Regards,
Crystal
Microsoft Access MVP 2006

remote programming and training
strive4peace2006 at yahoo.com
*

Have an awesome day ;)

Kelvin Leong wrote:

Hi Crystal,

The PayFrom and PayTo
dates are of dd/MM/yyyy
format. If a customer pays

from 01/01/2006 to
10/01/2006, then the
PayFrom = 01/01/2006 and
PayTo =

10/01/2006 and these values
are keyed in to the

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Subform's respective fields.
If he comes again to pay on
a different time for
11/01/2006 to 16/01/2006,
then another transaction
record is added.

Because the running number
for the transactions are not
in sequence due to the fact
that there are many
customers' payment history
is link to this Transaction.

The Form and Subform
looks something similar to
what is shown below:

Form

Name: abc123
ID: MEMBER213
Address: 1 First Street
Phone: 123456789

Subform

Receipt No	Date	PayFrom	PayTo
------------	------	---------	-------

123	01/01/2006		
	01/01/2006	10/01/2006	
145	14/01/2006		
	11/01/2006	16/01/2006	

The Receipt No is the
running number for the
Transaction table and the
Date is the date when the
customer comes to pay.

The link between the Form
and Subform is via the
customer's ID, and is not
shown in the Subform since
it is hidden.

With this report, I can check
whether the PayFrom and
PayTo values are keyed in
correctly. If not, PayFrom
(for 145) – PayTo (for 123)

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will not equal to 1.

Thanks for your help.

"strive4peace" wrote:

Hi Kelvin,

Do you
have
standard
PayFrom
and PayTo
dates? Or
do they vary
depending
on the
customer?
How are
these dates
defined?

Warm
Regards,
Crystal
Microsoft
Access
MVP 2006

remote
programming
and training
strive4peace2006
at
yahoo.com
*

Have an
awesome
day ;)

Kelvin
Leong
wrote:

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I
have
2
tables,
one
is
the
CustomerInfo
and
the
other
their
Transactions.

I
have
a
form
which
shows
individual
CustomerInfo
from
the
CustomerInfo
table,
and
a
subForm
which
shows
their
payment
history
from
the
Transactions
table
in
a
datasheet
format.

From
the
Transactions
table,

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there
are
2
particular
columns
that
is

important,
namely
PayFrom
(date)
and
PayTo
(date).
Lets
say
that
this
customer
has
made
10
payments,
records
1
to
10.
I
want
to
know
whether
(PayFrom
(date)
from
[record
2])
equals
to
(PayFrom
(date)
of
[Record
1])
+
1.
Similarly,

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I
want
to
know
whether
(PayFrom
(date)
from
[record
3])
equals
to
(PayFrom
(date)
of
[Record
2])
+1,
so
on
and
so
forth.

How
am
I
able
to
generate
a
report
to
show
that
for
a
particular
customers'
payment
history
is
entered
correctly,
that
is
the
PayFrom
(Date)
of
the

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latter
record
is
1
day
after
the
the
PayTO
(date)
of
the
previous
record?