Subject: How to make a list2 on a non existing child table
Posted by bonzo_bcn on Tue, 09 Dec 2008 11:59:42 GMT
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I have a list1 of 'clients' and I want to make a list2 transaction that shows, for every selected client, the detail of an amount they have to pay.

The amount to pay is a union of different tables. I've created a class, extended the sql, defined the relationship etc.

What it's not working is that when I select a client from the list1 screen and click on the button of the list2 screen, the list 2 transaction shows all the clients, and for every client, the detail is not filtered, so for every client I see the detail of all the clients.

I can't seem to figure out where the problem is, any ideas? Is what I'm trying to achieve possible with Radicore?

Subject: Re: How to make a list2 on a non existing child table
Posted by AJM on Tue, 09 Dec 2008 12:45:33 GMT
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Anything is possible, but you need to know how Radicore works in order to know when it will do what you want as standard, or will need some custom code somewhere.

The description of a LIST2 pattern clearly states that after retrieving a single row from the OUTER table it will retrieve all associated rows from the INNER table. It does this by extracting the primary key of the OUTER row and passing it to the INNER table in the $where string. This assumes that the primary key of OUTER is also used as a foreign key on INNER. It will use this string in the getData() method to populate its data array, and the contents of this data array will be loaded into the screen.

If there are too may records being displayed then you need to adjust the $where string accordingly, or manually adjust the contents of the data array.

It is also possible to skip the getData() altogether and populate the data array manually.

Subject: Re: How to make a list2 on a non existing child table
Posted by bonzo_bcn on Tue, 09 Dec 2008 13:11:22 GMT
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Ok, the problem is that my sql_from is like this:

```
(SELECT entidad.entidad_id ,'Esportistes' as concepto, 1 as importe
  FROM participante
```

```
JOIN part_equipo_xref  ON participante.participante_id=part_equipo_xref.participante_id
JOIN equipo  ON part_equipo_xref.equipo_id = equipo.equipo_id
JOIN entidad  ON equipo.entidad_id= entidad.entidad_id
JOIN temporada  ON temporada.temporada_id = equipo.temporada_id
WHERE tippart='E'
SELECT entidad.entidad_id ,'Equips' ,  1
FROM participante
JOIN equipo  ON participante.participante_id = equipo.delegado_id
JOIN entidad  ON equipo.entidad_id= entidad.entidad_id
JOIN temporada  ON temporada.temporada_id = equipo.temporada_id
UNION ALL
SELECT entidad.entidad_id ,'Entitat',   1
FROM entidad) as entidad_s02
```

so the function extractTableNames returns an incorrect value:'SELECT'
and then qualifyField turns $where to null.

Do you know how can I solve this?

Subject: Re: How to make a list2 on a non existing child table
Posted by AJM on Tue, 09 Dec 2008 13:15:38 GMT
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What is the SQL statement that you are trying to construct? I am assuming that this will retrieve the rows that you want.

Is this statement being corrupted by the framework? If so, then how?

Subject: Re: How to make a list2 on a non existing child table
Posted by bonzo_bcn on Tue, 09 Dec 2008 13:35:08 GMT
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The framework isn't corrupting the sql statement it's just that the function extractTableNames returns an incorrect value:'SELECT', and therefore the records aren't filtered.

This is the correct statement, the sql statement that I want to construct is:

```
SELECT entidad_id, concepto, sum(importe) as importe
FROM
(SELECT entidad.entidad_id ,'Esportistes' as concepto, 1 as importe
  FROM participante
  JOIN part_equipo_xref  ON participante.participante_id=part_equipo_xref.participante_id
  JOIN equipo  ON part_equipo_xref.equipo_id = equipo.equipo_id
  JOIN entidad  ON equipo.entidad_id= entidad.entidad_id
  JOIN temporada  ON temporada.temporada_id = equipo.temporada_id
```

```
WHERE tippart='E'
SELECT entidad.entidad_id ,'Equips' ,  1
FROM participante
JOIN equipo  ON participante.participante_id = equipo.delegado_id
JOIN entidad  ON equipo.entidad_id= entidad.entidad_id
JOIN temporada  ON temporada.temporada_id = equipo.temporada_id
UNION ALL
SELECT entidad.entidad_id ,'Entitat',   1
FROM entidad) as entidad_s02
```

Subject: Re: How to make a list2 on a non existing child table
Posted by AJM on Tue, 09 Dec 2008 14:12:59 GMT
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The standard processing in the getData() method is not designed to deal with such a customised SQL statement, so I suggest the following:

In the _cm_pre_gtData() method you should set $this->skip_getdata to TRUE.
Insert a call to $this->getData_raw() to populate the contents of $this->fieldarray.

This will not try to edit your SQL statement in any way, so it should produce the results you expect.

Subject: Re: How to make a list2 on a non existing child table
Posted by bonzo_bcn on Tue, 09 Dec 2008 15:15:54 GMT
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Thanks,I'm getting closer, so in my inner class table I have:

```
function _cm_pre_getData ($where, $where_array, $fieldarray=null){
 $this->skip_getdata = true;
 $this->fieldarray= $this->getData_raw($where);
 return $where;
}
```

and it works great, for every parent it displays the correct child records.

The only problem now is that in the list1 screen, if I only select one parent and click on the list2 button, it retrieves all the parent records instead of retrieving only the selected one.

The generated .sql file has the correct sql statement though.

Do you know where the problem could be?
Thanks!

Subject: Re: How to make a list2 on a non existing child table
Posted by AJM on Tue, 09 Dec 2008 15:43:57 GMT
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If the LIST2 task is retrieving all available records instead of only those which have been selected in the parent LIST1 task then it sounds like the WHERE string which is being processed in the LIST2 task is inadequate. Take a look at Associated/Related Rows.

Subject: Re: How to make a list2 on a non existing child table
Posted by bonzo_bcn on Tue, 09 Dec 2008 15:50:39 GMT
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In fact I added this code too to the parent class:

```
function _cm_pre_getData ($where, $where_array, $fieldarray=null){
 $this->skip_getdata = true;
 $this->fieldarray= $this->getData_raw($where);
 return $where;
}
```

and now it only displays the list2 of the first record selected in list1, allthough the .sql file has the correct where clause in the parent sql sentence.

Subject: Re: How to make a list2 on a non existing child table
Posted by AJM on Tue, 09 Dec 2008 16:31:16 GMT
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If you select several rows in the LIST1 task and then activate a LIST2 task then the LIST2 will show the selected rows in the OUTER area, one row at a time. The INNER area of the LIST2 will only show those rows which are related to the current row in the OUTER area.

When you say the .sql file is correct which one are you talking about? The one in the LIST1 task? The OUTER table for the LIST2 task? Or the INNER table of the LIST2 task?

Subject: Re: How to make a list2 on a non existing child table
Posted by bonzo_bcn on Tue, 09 Dec 2008 16:37:03 GMT
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The OUTER table for the LIST2 task and the INNER table of the LIST2 task are correct.

Subject: Re: How to make a list2 on a non existing child table
Posted by AJM on Tue, 09 Dec 2008 16:52:23 GMT
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If both are correct then what is the problem?

Subject: Re: How to make a list2 on a non existing child table
Posted by bonzo_bcn on Tue, 09 Dec 2008 16:59:03 GMT
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The sql sentences are correct, but in the list2 screen, it only displays one outer record even though I have selected several records in the list1 screen.
It displays the first one, and there isn't the possibility to move to the next one.

Subject: Re: How to make a list2 on a non existing child table
Posted by AJM on Tue, 09 Dec 2008 17:39:35 GMT
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How many rows are actually selected by the sql statement which is issued by the outer table? If there is more than one then the outer area should contain scrolling options. It certainly does on all the LIST2 tasks that I have written.

Subject: Re: How to make a list2 on a non existing child table
Posted by bonzo_bcn on Tue, 09 Dec 2008 20:32:54 GMT
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This are the two sql statements (I removed the from part to make it comprehensible):

Outer:
SELECT SQL_CALC_FOUND_ROWS entidad_id, MAX(noment) as noment, sum(importe) as importe FROM ... as entidad_s01 WHERE (entidad_id='5') OR (entidad_id='6') GROUP BY 1 LIMIT 1 OFFSET 0 =>Count=2

Inner:
SELECT SQL_CALC_FOUND_ROWS entidad_id, concepto, sum(importe) as importe FROM .. as entidad_s02 WHERE entidad_id='5' GROUP BY 1,2 LIMIT 10 OFFSET 0 =>Count=1

Subject: Re: How to make a list2 on a non existing child table
Posted by AJM on Wed, 10 Dec 2008 00:39:19 GMT

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You haven't answered the question. I do not want to know what the sql statement is, but the result when it is run on your database. When you run that same statement through your MySQL client program (such as phpMyAdmin) what result does it display? How many rows?

It it produces only a single row then that is your problem. If it produces multiple rows then you will have to step through with your debugger to see why the outer area is not showing the scrolling hyperlinks. All the tests that I run on my code work as expected.

Subject: Re: How to make a list2 on a non existing child table
Posted by bonzo_bcn on Wed, 10 Dec 2008 09:11:53 GMT
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It produces 7 results.
Where is the scroller built? (Which class should I look at with the debugger?)

Subject: Re: How to make a list2 on a non existing child table
Posted by AJM on Wed, 10 Dec 2008 09:58:17 GMT
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The scrolling area is set up in an XSL stylesheet, not with PHP code, but it uses two particular values which are set within script 'std.list2.inc' at line 223:

```
// set variables to be included in XML output
$scrolling[$dbouter->getClassName()]['curitem']  = $dbouter->getPageNo();
$scrolling[$dbouter->getClassName()]['lastitem'] = $dbouter->getLastPage();
```

If both 'curitem' and 'lastitem' are set to 1 then there is only a single item to display, so there will be no need to any scrolling hyperlinks. If your code reads 7 records from the database then 'lastitem' shoud be set to 7.