Subject: How can I achieve retrieving data from different tables and marking them as printed?
Posted by bonzo_bcn on Tue, 11 Nov 2008 11:50:35 GMT
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I'm really desperated with this issue, maybe a more experienced programmer can help.

I have data from different tables:
players who play in teams
coaches of teams
players who have signed up for activities
players who have signed up for events

my client asks for a screen to show selected data of all of them, so that he can print labels and export to csv, but once they have been printed, they should be marked as 'printed' or 'exported'.

The select to show this data is an union between 4 selects.

My first approach was too create a view in mysql, but as it didn't have primary keys, radicore messes up, which I believe is normal.

My second aproach was to fill a table with all this data, then the user exports and prints the data of this table, and the record is updated as printed or exported. The problem I'm facing with this is that once the data is saved from the original data into this table, if they change any field of the source, the data in the table doesn't change. OTOH I don't like this approach as it can easily lead to inconsistencies.

If I can't sort out this, I will put an export and print button on every source screen, but then the client should go and look into four different places instead of one.

(I've spent more time with this than with the whole application).

If anyone has any idea on how to solve this please let me know.

Subject: Re: How can I achieve retrieving data from different tables and marking them as printed?
Posted by AJM on Tue, 11 Nov 2008 12:41:34 GMT
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I do not see the problem. Once the export has been performed you simply update each record to show that it has been exported, then when you return to the selection screen you exclude those

items which have already been exported.

Subject: Re: How can I achieve retrieving data from different tables and marking them as printed?
Posted by bonzo_bcn on Tue, 11 Nov 2008 15:39:22 GMT
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But is the approach of populating a table with other table data correct?
Ideally a view would do the job as it's 'real time' but you can't put pk in mysql views.

Subject: Re: How can I achieve retrieving data from different tables and marking them as printed?
Posted by AJM on Tue, 11 Nov 2008 15:52:52 GMT
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Why can't you perform a SELECT with JOINs to construct the data array that you need. In other words, perform the same SQL that you have to construct your view, but without without using a view.

Subject: Re: How can I achieve retrieving data from different tables and marking them as printed?
Posted by bonzo_bcn on Tue, 11 Nov 2008 16:04:15 GMT
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the problem is that it gets data from different places and there isn't a possible primary key as some fields that could make the pk can be null depending on the case.
This is the select:

```
SELECT participante.fotopart, participante.participante_id,participante.nompart,
participante.apellido1,participante.apellido2,participante.fecnac,
participante.catsalut, categoria.nomcat,temporada.nomtemp,
deporte.nomdep,entidad.noment,equipo.nomequi
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 deporte  ON equipo.deporte_id = deporte.deporte_id
JOIN categoria  ON equipo.categoria_id = categoria.categoria_id
JOIN temporada  ON temporada.temporada_id = equipo.temporada_id
WHERE tippart='E'
```

```
UNION

SELECT participante.fotopart, participante.participante_id,participante.nompart,
participante.apellido1,participante.apellido2,participante.fecnac,
participante.catsalut, categoria.nomcat,temporada.nomtemp,
deporte.nomdep,entidad.noment,equipo.nomequi
FROM participante
JOIN equipo  ON participante.participante_id = equipo.entrenador_id
JOIN entidad  ON equipo.entidad_id= entidad.entidad_id
JOIN deporte  ON equipo.deporte_id = deporte.deporte_id
JOIN categoria  ON equipo.categoria_id = categoria.categoria_id
JOIN temporada  ON temporada.temporada_id = equipo.temporada_id
WHERE tippart='N'

UNION

SELECT distinct participante.fotopart, participante.participante_id,participante.nompart,
participante.apellido1,participante.apellido2,participante.fecnac,
participante.catsalut, null,temporada.nomtemp,
actividad.nomact,null,null
FROM participante
inner JOIN part_actividad_fe_lu_xref  ON
participante.participante_id=part_actividad_fe_lu_xref.participante_id
inner JOIN actividad_fe_lu  ON part_actividad_fe_lu_xref.actividad_fe_lu_id=
part_actividad_fe_lu_xref.actividad_fe_lu_id
inner JOIN actividad  ON actividad.actividad_id = actividad_fe_lu.actividad_id
inner JOIN temporada  ON actividad.temporada_id = temporada.temporada_id

UNION

SELECT distinct participante.fotopart, participante.participante_id,participante.nompart,
participante.apellido1,participante.apellido2,participante.fecnac,
participante.catsalut, null,temporada.nomtemp,
trobada.nomtro,null,null
FROM participante
inner JOIN part_trob_xref  ON participante.participante_id=part_trob_xref.participante_id
inner JOIN trobada  ON trobada.trobada_id= part_trob_xref.trobada_id
inner JOIN temporada  ON trobada.temporada_id = temporada.temporada_id
```

Subject: Re: How can I achieve retrieving data from different tables and marking them as printed?
Posted by AJM on Tue, 11 Nov 2008 16:09:14 GMT
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If your data is coming from several different tables, and each table has a different primary key then your data array needs to include the table name. This will then enable you to iterate through

the data array and perform a separate update for each table.

Subject: Re: How can I achieve retrieving data from different tables and marking them as printed?
Posted by bonzo_bcn on Tue, 11 Nov 2008 16:21:10 GMT
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Another problem I face is that all the fields should be searchable, but as you can see, some fields come from different tables.
So what would you suggest?: add the table name to the select statement, then extend the select statement of a class to show this data?

even if I add the table name, I can't define a primary key. I think one of the key problems is not having a primary key.

Subject: Re: How can I achieve retrieving data from different tables and marking them as printed?
Posted by AJM on Tue, 11 Nov 2008 16:34:12 GMT
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It is not possible to select a record from the database, then update it to say that it has been processed, if it does not have a primary key.

If you build a database table which does not have a primary key then you are asking for trouble.

If you are trying to merge data from several tables and treat them as if they come from a single table then this is only possible if those tables have identical structures. This is one of the limitations of a UNION in SQL. If they do not have identical structures then you must use alias names in the select list to force the list of column names to be identical.

Subject: Re: How can I achieve retrieving data from different tables and marking them as printed?
Posted by bonzo_bcn on Wed, 12 Nov 2008 20:27:27 GMT
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Ok, so I did this:

```
    function _cm_pre_getData ($where, $where_array, $fieldarray=null)
    {

        // construct default SELECT and FROM clauses using parent relations
        $this->sql_select  = "participante.fotopart,
participante.participante_id,participante.nompart,
   CONCAT(participante.apellido1,' ', participante.apellido2) as apellido1,participante.fecnac,
```

```
participante.catsalut, categoria.categoria_id,temporada.temporada_id,

deporte.deporte_id,
entidad.entidad_id,
equipo.equipo_id,
0 as actividad_id,
0 as actividad_fe_lu_id,
0 as trobada_id,
'E' as tipo,
part_equipo_xref.impreso,
part_equipo_xref.exportado";
  //       $this->sql_groupby = null;
    //     $this->sql_having  = null;
         $this->sql_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 deporte  ON equipo.deporte_id = deporte.deporte_id
JOIN categoria  ON equipo.categoria_id = categoria.categoria_id
JOIN temporada  ON temporada.temporada_id = equipo.temporada_id
WHERE tippart='E'


UNION
SELECT participante.fotopart, participante.participante_id,participante.nompart,
CONCAT(participante.apellido1,' ', participante.apellido2) as apellido1,participante.fecnac,
participante.catsalut, categoria.categoria_id,temporada.temporada_id,
deporte.deporte_id,
entidad.entidad_id,
equipo.equipo_id,
0 as actividad_id,
0 as actividad_fe_lu_id,
0 as trobada_id,
'N',
equipo.impreso_ent,
equipo.exportado_ent

FROM participante
JOIN equipo  ON participante.participante_id = equipo.entrenador_id
JOIN entidad  ON equipo.entidad_id= entidad.entidad_id
JOIN deporte  ON equipo.deporte_id = deporte.deporte_id
JOIN categoria  ON equipo.categoria_id = categoria.categoria_id
JOIN temporada  ON temporada.temporada_id = equipo.temporada_id
WHERE tippart='N'


UNION
SELECT participante.fotopart, participante.participante_id,participante.nompart,
```

```
    CONCAT(participante.apellido1,' ', participante.apellido2) as apellido1,participante.fecnac,
    participante.catsalut, categoria.categoria_id,temporada.temporada_id,
    deporte.deporte_id,
    entidad.entidad_id,
    equipo.equipo_id,
    0 as actividad_id,
    0 as actividad_fe_lu_id,
    0 as trobada_id,
    'D',
    equipo.impreso_del,
    equipo.exportado_del

    FROM participante
    JOIN equipo  ON participante.participante_id = equipo.delegado_id
    JOIN entidad  ON equipo.entidad_id= entidad.entidad_id
    JOIN deporte  ON equipo.deporte_id = deporte.deporte_id
    JOIN categoria  ON equipo.categoria_id = categoria.categoria_id
    JOIN temporada  ON temporada.temporada_id = equipo.temporada_id
    WHERE tippart='D'

    UNION
    SELECT distinct participante.fotopart, participante.participante_id,participante.nompart,
    CONCAT(participante.apellido1,' ', participante.apellido2) as apellido1,participante.fecnac,
    participante.catsalut, 0,temporada.temporada_id,
    0,
    0,
    0,
    actividad.actividad_id,
    part_actividad_fe_lu_xref.actividad_fe_lu_id,
    0,
    'A',
    part_actividad_fe_lu_xref.impreso,
    part_actividad_fe_lu_xref.exportado

    FROM participante
    inner JOIN part_actividad_fe_lu_xref  ON
participante.participante_id=part_actividad_fe_lu_xref.participante_id
    inner JOIN actividad_fe_lu  ON part_actividad_fe_lu_xref.actividad_fe_lu_id=
part_actividad_fe_lu_xref.actividad_fe_lu_id
    inner JOIN actividad  ON actividad.actividad_id = actividad_fe_lu.actividad_id
    inner JOIN temporada  ON actividad.temporada_id = temporada.temporada_id


    UNION
    SELECT distinct participante.fotopart, participante.participante_id,participante.nompart,
    CONCAT(participante.apellido1,' ', participante.apellido2) as apellido1,participante.fecnac,
    participante.catsalut, 0,temporada.temporada_id,
    0,
```

```
    0,
    0,
    0,
    0,
    trobada.trobada_id,


    'T',
    part_trob_xref.impreso,
    part_trob_xref.exportado

    FROM participante
    inner JOIN part_trob_xref  ON participante.participante_id=part_trob_xref.participante_id
    inner JOIN trobada  ON trobada.trobada_id= part_trob_xref.trobada_id
    inner JOIN temporada  ON trobada.temporada_id = temporada.temporada_id";


        return $where;

     } // _cm_pre_getData
```

Then I did the following:

```
   function _cm_changeConfig ($where, $fieldarray){
   $this->primary_key =
array('participante_id','categoria_id','temporada_id','deporte_id','entidad_id','equipo_id','actividad_fe_lu_id','trobada_id');


   return $fieldarray;
   }
```

I get to see the data in the list1 transaction, however, when I select several records for printing or exporting to csv, the where clause messes up and adds strange things.
With the debugger I found that in _cm_pre_getData
$where contains (participante_id='' AND categoria_id='' AND temporada_id='' AND deporte_id='' AND entidad_id='' AND equipo_id='' AND actividad_fe_lu_id='' AND trobada_id='')

Why aren't the fields populated with the data I selected?

What else should I modify in order to make this 'pseudo' class work?

Subject: Re: How can I achieve retrieving data from different tables and marking

them as printed?
Posted by bonzo_bcn on Wed, 12 Nov 2008 21:07:37 GMT
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I'm almost there...
Radicore is including the prefix table in the where clause, for example:
part_trob_xref.trobada_id
I don't know where it's getting the prefix, but is there any way to tell radicore not to include it?

Subject: Re: How can I achieve retrieving data from different tables and marking them as printed?
Posted by AJM on Wed, 12 Nov 2008 22:16:17 GMT
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You need to step through with your debugger to see where the incorrect WHERE string is being generated, then you can discover why it is being generated.