Subject: Output2 - SQL
Posted by htManager on Wed, 21 Aug 2019 21:11:08 GMT
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I have an output2 pattern and I want to list only records of the chosen value in field 'saison_id'. I searched the net to look for the right SQL solution but I failed. Can you say why my SQL code works with a 'hard' code (2018/2019) and not with the one (training_plan_kopf.saison_id) you see below?

Best regards,

Juergen

```
$table_id = 'training_plan_anwesenheit';                  // table name
$report   = 'training_plan_anwesenheit.gesamt.list.report.inc';  // file identifying report structure

// customise the SQL SELECT statement
$sql_select =  "tplan_anwesenheit_kontakt_name, tplan_anwesenheit_kontakt_vorname,
tplan_anwesenheit_status_grund, tplan_anwesenheit_saison_id, " .
            "orga_vereine.vereine_name, orga_vereine.vereine_logo,
orga_mannschaften_eigene.mannschaften_desc, " .

            "SUM(CASE WHEN tplan_anwesenheit_status = 1 THEN tplan_anwesenheit_status
ELSE 0 END) AS anzahl_anwesenheit, " .
            "SUM(CASE WHEN tplan_anwesenheit_status = 0 AND
training_plan_kopf.training_datum < NOW()+1 THEN 1 ELSE 0 END) AS anzahl_absagen, " .
            "SUM(CASE WHEN tplan_anwesenheit_status = 0 AND
training_plan_kopf.training_datum > NOW() THEN 1 ELSE 0 END) AS anzahl_absagen_zukunft,
" .
            "SUM(CASE WHEN tplan_anwesenheit_status = 0 AND
tplan_anwesenheit_status_grund = 'URL' AND training_plan_kopf.training_datum < NOW()+1
THEN 1 ELSE 0 END) AS anzahl_absagen_url, " .
            "SUM(CASE WHEN tplan_anwesenheit_status = 0 AND
tplan_anwesenheit_status_grund = 'PRV' AND training_plan_kopf.training_datum < NOW()+1
THEN 1 ELSE 0 END) AS anzahl_absagen_prv, " .
            "SUM(CASE WHEN tplan_anwesenheit_status = 0 AND
tplan_anwesenheit_status_grund = 'BER' AND training_plan_kopf.training_datum < NOW()+1
THEN 1 ELSE 0 END) AS anzahl_absagen_ber, " .
            "SUM(CASE WHEN tplan_anwesenheit_status = 0 AND
tplan_anwesenheit_status_grund = 'VLZ' AND training_plan_kopf.training_datum < NOW()+1
THEN 1 ELSE 0 END) AS anzahl_absagen_vlz, " .
            "SUM(CASE WHEN tplan_anwesenheit_status = 0 AND
tplan_anwesenheit_status_grund = 'KRH' AND training_plan_kopf.training_datum < NOW()+1
THEN 1 ELSE 0 END) AS anzahl_absagen_krh, " .
            "SUM(CASE WHEN tplan_anwesenheit_status = 0 AND
tplan_anwesenheit_status_grund = 'SO' AND training_plan_kopf.training_datum < NOW()+1
THEN 1 ELSE 0 END) AS anzahl_absagen_so, " .
            "SUM(CASE WHEN tplan_anwesenheit_status = 0 AND
```

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tplan_anwesenheit_status_grund = 'TAM' AND training_plan_kopf.training_datum < NOW()+1
THEN 1 ELSE 0 END) AS anzahl_absagen_tam, " .
            "SUM(CASE WHEN tplan_anwesenheit_status = 0 AND
tplan_anwesenheit_status_grund = 'SCH' AND training_plan_kopf.training_datum < NOW()+1
THEN 1 ELSE 0 END) AS anzahl_absagen_sch, " .
            "SUM(CASE WHEN tplan_anwesenheit_status = 0 AND
tplan_anwesenheit_status_grund = 'UNI' AND training_plan_kopf.training_datum < NOW()+1
THEN 1 ELSE 0 END) AS anzahl_absagen_uni, " .
            "SUM(CASE WHEN tplan_anwesenheit_status = 0 AND
tplan_anwesenheit_status_grund = 'NIK' AND training_plan_kopf.training_datum < NOW()+1
THEN 1 ELSE 0 END) AS anzahl_absagen_nik, " .
            "SUM(CASE WHEN tplan_anwesenheit_status = 0 AND
tplan_anwesenheit_status_grund = 'UE' AND training_plan_kopf.training_datum < NOW()+1
THEN 1 ELSE 0 END) AS anzahl_absagen_ue";

$sql_from = 'training_plan_anwesenheit ' .
            'LEFT JOIN orga_vereine ON (' .
            'orga_vereine.verbaende_art_id =
training_plan_anwesenheit.tplan_anwesenheit_verbaende_art_id AND ' .
            'orga_vereine.verbaende_kuerzel =
training_plan_anwesenheit.tplan_anwesenheit_verbaende_kuerze l AND ' .
            'orga_vereine.vereine_kuerzel =
training_plan_anwesenheit.tplan_anwesenheit_vereine_kuerzel) ' .

            'LEFT JOIN orga_mannschaften_eigene ON (' .
            'orga_mannschaften_eigene.verbaende_art_id =
training_plan_anwesenheit.tplan_anwesenheit_verbaende_art_id AND ' .
            'orga_mannschaften_eigene.verbaende_kuerzel =
training_plan_anwesenheit.tplan_anwesenheit_verbaende_kuerze l AND ' .
            'orga_mannschaften_eigene.vereine_kuerzel =
training_plan_anwesenheit.tplan_anwesenheit_vereine_kuerzel AND ' .
            'orga_mannschaften_eigene.saison_id =
training_plan_anwesenheit.tplan_anwesenheit_saison_id AND ' .
            'orga_mannschaften_eigene.mannschaften_id =
training_plan_anwesenheit.tplan_anwesenheit_mannschaften_id) ' .

            'LEFT JOIN training_plan_kopf ON (' .
            'training_plan_kopf.verbaende_art_id =
training_plan_anwesenheit.tplan_anwesenheit_verbaende_art_id AND ' .
            'training_plan_kopf.verbaende_kuerzel =
training_plan_anwesenheit.tplan_anwesenheit_verbaende_kuerze l AND ' .
            'training_plan_kopf.vereine_kuerzel =
training_plan_anwesenheit.tplan_anwesenheit_vereine_kuerzel AND ' .
            'training_plan_kopf.saison_id =
training_plan_anwesenheit.tplan_anwesenheit_saison_id AND ' .
            'training_plan_kopf.mannschaften_id =
training_plan_anwesenheit.tplan_anwesenheit_mannschaften_id AND '.
            'training_plan_kopf.training_plan_kopf_no =
```

```
training_plan_anwesenheit.tplan_anwesenheit_kopf_no)';

$sql_where =    "training_plan_anwesenheit.tplan_anwesenheit_saison_id =
training_plan_kopf.saison_id";
-> this code doesn't work.

$sql_where =    "training_plan_anwesenheit.tplan_anwesenheit_saison_id = '2018/2019'";
-> this code works. Only records with value 2018/2019 are shown

$sql_groupby = 'tplan_anwesenheit_kontakt_name, tplan_anwesenheit_kontakt_vorname';
$sql_having  = null;
$sql_orderby = null;

require 'std.output2.inc';      // activate page controller
```

Subject: Re: Output2 - SQL
Posted by AJM on Thu, 22 Aug 2019 08:07:51 GMT
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Your query is basically SELECT ... FROM training_plan_anwesenheit LEFT JOIN training_plan_kopf ...
WHERE training_plan_anwesenheit.tplan_anwesenheit_saison_id = 2018/2019'
If you replace the literal '2018/2019' with the column name training_plan_kopf.saison_id you are basically saying "use whatever value you find in column training_plan_kopf.saison_id", and as there is nothing in that query that limits that value to '2018/2019' it will use whatever values it finds.

Subject: Re: Output2 - SQL
Posted by htManager on Fri, 23 Aug 2019 09:24:38 GMT
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But I generate the report from a list2 pattern. That's why I thought that the value 2018/2019 will be taken from the parent record where the value in this case is 2018/2019. Or do I have to consider something else?

Subject: Re: Output2 - SQL
Posted by AJM on Sat, 24 Aug 2019 08:27:49 GMT
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What value from the LIST2 screen is being passed to the OUTPUT2 task? Unless you are passing the string
tplan_anwesenheit_saison_id = '2018/2019' then the query will not limit itself to that selection.

Subject: Re: Output2 - SQL
Posted by htManager on Sun, 25 Aug 2019 17:30:29 GMT
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Where can I see this best which value is being passed?

Subject: Re: Output2 - SQL
Posted by AJM on Mon, 26 Aug 2019 08:42:15 GMT
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Your OUTPUT2 task is pointed to the training_plan_anwesenheit table, so I suggest you use your debugger and, when inside the _cm_initialise() method of that table's class, examine the contents of the $where and $selection variables.

Subject: Re: Output2 - SQL
Posted by htManager on Mon, 26 Aug 2019 13:36:11 GMT
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If I set $sql_where = null; in the controller script, the content of $where in the _cm_initialise() method is exactly what I want, tplan_anwesenheit_saison_id has the value '2018/2019'. The value of $selection is ''.
But in the report are shown the records of '2018/2019' and of '2019/2020' .....

Subject: Re: Output2 - SQL
Posted by AJM on Tue, 27 Aug 2019 08:46:27 GMT
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In that case you need to examine the contents of the $where variable in the _cm_pre_getData() method in case it has been changed. This is the method where the various parts of the sql query are defined.

Subject: Re: Output2 - SQL
Posted by htManager on Tue, 27 Aug 2019 13:13:54 GMT
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In the _cm_pre_getData() method the $where is '', the $where_array is null and the $parent_data is false.

Subject: Re: Output2 - SQL
Posted by AJM on Wed, 28 Aug 2019 09:15:04 GMT

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You will need to step through with your debugger to see what is happening between the call to _cm_initialise() and _cm_pre_getData().

Subject: Re: Output2 - SQL
Posted by htManager on Wed, 28 Aug 2019 10:56:37 GMT
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As far as I see is the $where set to '' in include.library.inc in method filterwhere(). The array3 contains the correct values but the array4 is null.

Subject: Re: Output2 - SQL
Posted by AJM on Thu, 29 Aug 2019 07:49:06 GMT
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You need to investigate why the filterWhere() function is clearing out that data. It was designed to remove references to fields which do not exist in the structure of the current table.

Subject: Re: Output2 - SQL
Posted by htManager on Fri, 30 Aug 2019 14:00:40 GMT
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If I understand you right, the clearing out happens because the fields in the $where string are different to those in the fieldlist. In the fieldlist are the fields of the $tablename table. In the $where string are the fields (with the right values) of the table from which the pattern is called. I hope I did understand you right. As you adviced in one of your articles I try to give unique field names in each table.
Do I have a wrong table name in one of my controller scripts?

Subject: Re: Output2 - SQL
Posted by AJM on Sat, 31 Aug 2019 08:41:53 GMT
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When you have the OUTPUT2 (child) task as a navigation button on another (parent) task and you press that navigation button there are two values which are passed to the child task - the original WHERE string of the parent, and a SELECTION string which identifies any rows which you checked using the select box on the parent's screen. The field names used in both strings are the names as known to the parent. If the corresponding names in the child task are different then you have to adjust them manually as described in
http://www.tonymarston.net/php-mysql/menuguide/appendixi.htm l

Subject: Re: Output2 - SQL
Posted by htManager on Tue, 03 Sep 2019 10:15:07 GMT
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Exactly what I was looking for. Thank you very much. Replacing the $where string with the right primary key fields led to the right solution. Everything seems to work fine now.

Two more questions:
1. As you can see I want to generate a report with a 'Cross' or 'Pivot' table. Do you have an example where you did deal with this? I have now hard coded the columns but each time I insert a new column I have to change my code.

2. Is there a possibility to output the 1 in a boolean field as a check mark?

Subject: Re: Output2 - SQL
Posted by AJM on Wed, 04 Sep 2019 08:41:34 GMT
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If by a 'Cross' or 'Pivot' table you mean an intersection table which handles a Many-to-Many relationship, then take a look at https://www.tonymarston.net/php-mysql/dialog-types.html#link 1. There are several examples of this pattern in the MENU subsystem.

Subject: Re: Output2 - SQL
Posted by htManager on Wed, 04 Sep 2019 10:25:57 GMT
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No, that's not what I am looking for. I want to sum how many times a person was out (wasn't available), grouped by the reason. But the reasons are listed in a different table and the number can change. For your understanding what I mean:

Person - reason 1 - reason 2 - reason 3 - ....
1 - 3 - 0 - 2 - ....
2 - 1 - 2 - 0 - ....
3 - 5 - 3 - 1 - ....

I hope I could explain what I mean.

Subject: Re: Output2 - SQL
Posted by AJM on Thu, 05 Sep 2019 08:14:51 GMT
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I do not have a particular pattern for that. You need to identify the particular SQL query which does that, then modify one of your classes to issue that query.