Subject: CONCAT ((SELECT ...),...) Error
Posted by luca on Sat, 08 Sep 2007 14:56:58 GMT
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Hi Tony,

I have 3 tables:

instruments:
- instrument_id ----------------> unsigned int(10) (PK)
- instrument_model_id --------> unsigned int(10) (FK)
  .....

instrument_models:
- instrument_model_id ----------------> unsigned int(10) (PK)
- instrument_type_id ------------------> unsigned int(10) (FK)
- instrument_model_name -----------> varchar(32)
- instrument_model_manufacturer --> varchar(32)
  .....

instrument_types:
- instrument_type_id --------------> unsigned int(10) (PK)
- instrument_type_name ---------> varchar(32)
  .....

I use a LIST1 Transaction Pattern to show "instruments" data.
I'd like to show a new field "instrument_model" as the concatenation of:

"instrument_type_name - instrument_model_manufacturer instrument_model_name"

First of all, I write in instruments.list1.screen.inc:

$structure['main']['fields'][] = array('instrument_model' => 'Instrument Model');

Then, I create a relationship between instrument_models(snr) and instruments(jnr):

Relationship Type: CASCADE
        Order By: instrument_model_id
    Parent Field: CALCULATED
 Calculated Field: CONCAT((SELECT instrument_type_name FROM instrument_types WHERE instrument_models.instrument_type_id = instrument_types.instrument_type_id),' - ',instrument_model_manufacturer,' ',instrument_model_name) AS instrument_model
  Column Id(snr): instrument_model_id
  Column Id(jnr): instrument_model_id

I "Export To PHP" the tables and this produces the lines in instruments.dict.inc:

    // parent relationship details

```
$this->parent_relations[]              = array('parent' => 'instrument_models',
                                       'parent_field' => 'CONCAT((SELECT instrument_type_name
FROM instrument_types WHERE instrument_models.instrument_type_id =
instrument_types.instrument_type_id),\' - \',instrument_model_manufacturer,\'
\',instrument_model_name) AS instrument_model',
                                       'fields' => array('instrument_model_id' =>
'instrument_model_id'));
```

BUT, when I go to enter instruments menu, I read the error windows:

Fatal Error: MySQL error: 1064 - You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near '), AS instrument_model FROM instruments LEFT JOIN instrument_models ON (instrume' at line 1 (# 1064).

SQL query: SELECT SQL_CALC_FOUND_ROWS instruments.*, CONCAT((SELECT instrument_type_name FROM instrument_types WHERE instrument_models.instrument_type_id = instrument_types.instrument_type_id), ' - ', instrument_models.instrument_model_manufacturer, ' ', instrument_models.instrument_model_name,), AS instrument_model FROM instruments LEFT JOIN instrument_models ON (instrument_models.instrument_model_id=instruments.instrumen t_model_id) LIMIT 10 OFFSET 0

Error in line 407 of file 'C:\Programmi\wamp\www\wis\includes\dml.mysqli.class.inc'.

What is wrong of my procedure?
Is there another way to do it?

Thanks for your support,
Luca