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Subject: problem with updateRecord()

Posted by [htManager](#) on Fri, 25 Jul 2014 16:21:58 GMT

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I have the following code in the `_cm_post_insertRecord()` function. I want to change values in a parent table after inserting an additional occurrence in the child table. But the values aren't updated with `$dbobject->updateRecord ($data)`;

```
function _cm_post_insertRecord ($rowdata)
// perform custom processing before database record is inserted.
// if anything is placed in $this->errors the insert will be terminated.
{
    // verfügbare (+1), belegte (+1) und freie Plätze (-1) werden aktualisiert
    // get contents of foreign table SPIELE_TRANSPORT
    $dbobject =& RDCsingleton::getInstance('spiele_transport'); // Instanz für Lookup-Tabelle
    $where = "verbaende_art_id='{ $rowdata['verbaende_art_id']}' AND
    verbaende_kuerzel='{ $rowdata['verbaende_kuerzel']}' AND
    vereine_kuerzel='{ $rowdata['vereine_kuerzel']}' AND
    saison_id='{ $rowdata['saison_id']}' AND
    mannschaften_id='{ $rowdata['mannschaften_id']}' AND
    spiel_seq_no='{ $rowdata['spiel_seq_no']}' AND
    transport_no='{ $rowdata['transport_no']}'";

    $data = $dbobject->getData ($where);

    if (!empty($data)){
        $data = $data[0];
        $data['transport_plaetze_belegt'] += 1;
        $data['transport_plaetze_frei'] -= 1;
        $dbobject->updateRecord ($data);
    } // if

    return $rowdata;

} // _cm_post_insertRecord
```

I know that in the `std.tbl.class.inc` the function `updateRecord()` comes with `$fieldarray`. But I don't know how to handle it.

What is wrong with my code?

Many Thanks in advance.

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Subject: Re: problem with updateRecord()

Posted by [AJM](#) on Sat, 26 Jul 2014 09:34:12 GMT

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I cannot tell what is wrong with that code just by looking at it as its behaviour is affected by both the data being input and the contents of the database, neither of which I have. You need to step through with your debugger to see what is happening. For instance, does the call to `$dbobject->getData($where)` just before the call to `$dbobject->updateRecord($data)` actually retrieve anything?

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Subject: Re: problem with updateRecord()  
Posted by [htManager](#) on Sat, 26 Jul 2014 10:02:07 GMT  
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Yes it retrieves everything. I can change the data and output the changed data with `$this->errors`. But I can't output the data with `var_dump($data)`;  
Could it be a problem with a two dimensional array?

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Subject: Re: problem with updateRecord()  
Posted by [htManager](#) on Sat, 26 Jul 2014 10:27:12 GMT  
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Or is there a better function to place the code?  
I looked at your UML diagrams (UML diagrams for the Radicore Development Infrastructure) and thought that the `_cm_post_insertRecord()` function would be best.  
The same (parent table) update process should also be possible with the `_cmp_post_deleteRecord()` method.

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Subject: Re: problem with updateRecord()  
Posted by [AJM](#) on Sat, 26 Jul 2014 13:16:07 GMT  
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You need to step through with your debugger to see what happens when the code actually runs.

If you are trying to perform some extra processing after a record has been inserted then the `_cm_post_insertRecord()` is definitely the best place to put it. The `_cm_post_deleteRecord()` should only be used when you want to perform some extra processing after a delete.

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Subject: Re: problem with updateRecord()  
Posted by [htManager](#) on Fri, 01 Aug 2014 15:59:30 GMT  
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The problem is solved. It was my own code which caused the problems. As I stepped through the Radicore code and I saw that everything works fine I discovered that the function `_cm_validateUpdate()` was called. I have code in this function to change some data when the record is accessed and changed via the normal UPDATE pattern.

Is it a good idea to check if the code should be executed with a `$_SESSION` variable? Or is there a better way?

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Subject: Re: problem with `updateRecord()`  
Posted by [AJM](#) on Fri, 01 Aug 2014 16:06:00 GMT  
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What do you mean by "Is it a good idea to check if the code should be executed"? The code in the `_cm_validateUpdate()` method is only called when you are performing an update which needs to be validated before it is executed. That code is not called during a read, insert or delete, so it is valid during an update.

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Subject: Re: problem with `updateRecord()`  
Posted by [htManager](#) on Fri, 01 Aug 2014 16:22:21 GMT  
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I know. But I have two different 'types' of updates; at least I think so.  
The first one is when I update the record directly and I have to perform a few calculations for three fields.  
The second one is when I call the update method after inserting or deleting a record in the child table which also causes the parent table to be updated.  
But if I understand you right you mean that it would be best to change the code in that way that there is no matter from where the method `_cm_validateUpdate()` is called. If the method is called it will always updated in the right way.  
I think I will do so, at least I will try it.  
Thanks for your advice.

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Subject: Re: problem with `updateRecord()`  
Posted by [AJM](#) on Fri, 01 Aug 2014 16:37:47 GMT  
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If you want different validation rules depending on how the record is being updated then you need to create a subclass of your table class to contain the different code. Then all you have to do is to ensure that the code which updates the table requiring the alternative set of rules uses the subclass instead of the main class. I do this type of thing many times when I want a method to execute different code depending on who is calling that method.

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Subject: Re: problem with `updateRecord()`  
Posted by [htManager](#) on Fri, 01 Aug 2014 16:49:22 GMT  
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Thank you for the hint. But the code is in this case the same.  
What happens if I call the updateRecord() method of the parent table in the  
\_cm\_post\_insertRecord() method of the child table. Is the new inserted record almost 'visible' by  
the query?

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Subject: Re: problem with updateRecord()  
Posted by [htManager](#) on Fri, 01 Aug 2014 16:55:53 GMT  
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The inserted record is visible. Everything works fine now.  
Have a nice weekend.

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