
Subject: Calculated fields

Posted by [htManager](#) on Mon, 23 Jun 2014 13:20:02 GMT

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Hi Tony,

can I automatically calculate a field with a method of the radicore framework?

I have three fields, amount_netto, amount_tax and amount_brutto.

I want that the field amount_brutto is calculated automatically after filling out the fields amount_netto and amount_tax.

I used to develop desktop applications in ObjectPAL, a language called Object orientet Paradox Appllication Language for the desktop database Paradox for Windows. In this language I would have put the code in an event of the amount_tax field. But in a web environment with Radicore and PHP I don't know how to do this.

Thanks in advance, best regards,

Juergen

Subject: Re: Calculated fields

Posted by [AJM](#) on Tue, 24 Jun 2014 08:08:41 GMT

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No, the framework cannot do such things for you automatically, you have to write the code yourself.

When reading from the database you can build the calculation into the SQL statement such as:

```
SELECT product_id, unit_price, quantity, SUM(unit_price * quantity) AS extended_price ...
```

Subject: Re: Calculated fields

Posted by [htManager](#) on Tue, 24 Jun 2014 14:24:19 GMT

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Isn't there a possibility to change \$fieldarray with a custom method (like i.e. `_cm_getExtraData`) when jumping with the Tabulator from field to field?

Subject: Re: Calculated fields

Posted by [AJM](#) on Tue, 24 Jun 2014 15:53:04 GMT

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No. Nothing is sent from the client browser to the application on the server until you press a SUBMIT button. That is how HTML works.

Subject: Re: Calculated fields

Posted by [htManager](#) on Wed, 25 Jun 2014 15:04:56 GMT

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I changed my database schema by inserting a column with type boolean where you can decide if the field will be calculated or not.

You said that nothing is sent until the submit button is pressed. That's ok for me because I now want to calculate the values after having pressed the submit button.

I tried to put my code for changing the values in \$fieldarray in the custom method `_cm_preInsertorUpdate($rows)` in the class file. I tried to change the values of \$rows with `$rows['column_name'] = 'foobar'`. But I didn't succeed. Is this a possible way or not?

Or do I have to use another custom method?

Subject: Re: Calculated fields

Posted by [AJM](#) on Wed, 25 Jun 2014 16:08:42 GMT

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You need to look at <http://www.tonymarston.net/php-mysql/functions-and-variables.html#sequence.of.events> to see which custom methods are called, and in what sequence, for each transaction pattern. You will notice there that the `_cm_pre_insertOrUpdate ()` method is *NOT* called when the pattern starts with `insertRecord ($rowdata)`.

Subject: Re: Calculated fields

Posted by [htManager](#) on Sat, 28 Jun 2014 13:15:06 GMT

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Thank you very much. It works perfectly.
