Subject: Failing searches, caused by null-able date fields
Posted by ikatz on Tue, 10 Jun 2008 13:24:08 GMT
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I was seeing some very odd search behavior, which caused most of my searches to return 0 results ("Nothing was found matching this profile"). The behavior was really confusing because some of the searches would return results the first time, but clicking "search" a second time and submitting the same search criteria would return no results.

By logging the SQL queries, I was able to determine that my problem is being caused by 2 date fields in this particular table which can be null. Radicore is inventing search criteria from the date fields, even when I leave them blank.

Note: The table I am working on here is called task, and is part of a project manager I am working on -- not the Radicore menu system.

```
SELECT SQL_CALC_FOUND_ROWS task.*,
  project.name as project_valrep,
  parent_task.name as parent_task_name
FROM task
  LEFT JOIN project
    ON (project.project_id=task.project_id)
  LEFT JOIN task AS parent_task
    ON (parent_task.task_id=task.parent_task_id)
WHERE task.name LIKE 'fred%'
  AND task.start_date<='2008-06-10 00:00:00'
  AND task.end_date>='2008-06-10 23:59:59'
LIMIT 10 OFFSET 0
```

Start_date and end_date are my null-able fields. At first I thought that Radicore was simply generating default conditions on the date fields, since both were null. But what is really confusing to me is the fact that the 2 conditions are different

```
  AND task.start_date<='2008-06-10 00:00:00'
  AND task.end_date>='2008-06-10 23:59:59'
```

Are task.start_date and task.end_date reserved in Radicore? How can I prevent these conditions from being added to the search criteria?

Subject: Re: Failing searches, caused by null-able date fields
Posted by AJM on Tue, 10 Jun 2008 16:54:44 GMT
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If a database table contains both a START_DATE and END_DATE field then when a search screen is initiated a field called CURR_OR_HIST is automatically added to the $fieldspec array, with the default value of 'C', to activate the feature described in http://www.tonymarston.net/php-mysql/infrastructure-faq.html #faq53. If you do not want this

feature then you can remove this CURR_OR_HIST field from the data which is returned by the search screen using code in the _cm_changeConfig() method such as:

```
if ($GLOBALS['mode'] == 'search') {
    unset($this->fieldspec['curr_or_hist']);
} // if
```

Subject: Re: Failing searches, caused by null-able date fields
Posted by ikatz on Tue, 10 Jun 2008 18:37:15 GMT
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Perfect. Thanks!

While I'm thinking about it, is there a list somewhere of field names that Radicore treats specially?

Subject: Re: Failing searches, caused by null-able date fields
Posted by AJM on Tue, 10 Jun 2008 23:30:13 GMT
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Take a look at http://www.tonymarston.net/php-mysql/infrastructure-faq.html #faq89.
