Generating a spent time report on a list type custom field with multiple values causes an invalid SQL error

2014-04-03 19:45 - Chris Cardwell

Status: Closed
Priority: Normal
Assignee: Jean-Philippe Lang
Category: Custom fields
Target version: 2.5.2
Resolution: Fixed

When on the Spent Time report page (example: http://localhost/redmine/projects/<project name>/time_entries/report), trying to generate a report by adding a custom field of list type, that has the ability to select multiple values, will cause an internal error.

The error from the production log is:

```
lib/redmine/helpers/time_report.rb:48:in `run'
lib/redmine/helpers/time_report.rb:35:in `initialize'
app/controllers/timelog_controller.rb:83:in `report'
```

The error seems to come from the SELECT statement, where the second column to be selected is " AS , ". When looking at the query of a report that was generated correctly, that spot instead has something like "COALESCE(cf_41.value, '') AS coalesce_cf_41_value," where 41 is the id of the custom field in the custom_fields table.

We noticed that in the custom_field.rb file, located at C:/Bitnami/redmine-2.5.0-0/apps/redmine/htdocs/app/models/, there is this code:

```ruby
def order_statement
  return nil if multiple?
  format.order_statement(self)
end
```

# Returns a GROUP BY clause that can used to group by custom value
# Returns nil if the custom field can not be used for grouping.
```
def group_statement
  return nil if multiple?
  format.group_statement(self)
end
```

Commenting out both instances of return nil if multiple? has resolved the internal error, however the generated report will show time spent in the bottom most selected value of the custom field list (if multiple values are selected).

A possible solution would be to not allow multiple value list custom fields to be added to reports at all. Another solution could be creating a row for each combination of selected values from the list (if that combination has time spent on it), however for large lists with many values, this could potentially become chaotic. Realistically, any solution that doesn't result in the internal error page would...
be preferred.

Related issues:
- Related to Redmine - Defect #16963: Multi select custom field is broken in th... New
- Has duplicate Redmine - Defect #17091: Spent time report Closed

Associated revisions
Revision 13055 - 2014-04-06 13:29 - Jean-Philippe Lang
Exclude custom fields with multiple values from time report criteria (#16519).

Revision 13193 - 2014-06-26 21:35 - Jean-Philippe Lang
Merged r13055 (#16519).

History
#1 - 2014-04-03 19:46 - Chris Cardwell
Sorry, this is for 2.5.0, not 2.5.1

#2 - 2014-04-06 13:30 - Jean-Philippe Lang
- Status changed from New to Resolved
- Assignee set to Jean-Philippe Lang
- Target version set to 2.5.2
- Resolution set to Fixed

Fixed in r13055, these custom fields are no longer available as time report criteria.

#3 - 2014-06-19 07:33 - Toshi MARUYAMA
- Related to Defect #16963: Multi select custom field is broken in the report added

#4 - 2014-06-26 21:36 - Jean-Philippe Lang
- Status changed from Resolved to Closed

Merged.

#5 - 2014-06-26 21:38 - Jean-Philippe Lang
- Has duplicate Defect #17091: Spent time report added