**Redmine - Defect #33281**

Totals of custom fields may not be sorted as configured

2020-04-08 17:05 - Go MAEDA

<table>
<thead>
<tr>
<th>Status:</th>
<th>Closed</th>
</tr>
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<tbody>
<tr>
<td>Priority:</td>
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</tr>
<tr>
<td>Assignee:</td>
<td>Go MAEDA</td>
</tr>
<tr>
<td>Category:</td>
<td>Filters</td>
</tr>
<tr>
<td>Target version:</td>
<td>4.1.2</td>
</tr>
<tr>
<td>Resolution:</td>
<td>Fixed</td>
</tr>
<tr>
<td>Start date:</td>
<td></td>
</tr>
<tr>
<td>Due date:</td>
<td></td>
</tr>
<tr>
<td>% Done:</td>
<td>0%</td>
</tr>
<tr>
<td>Estimated time:</td>
<td>0.00 hour</td>
</tr>
<tr>
<td>Affected version</td>
<td>4.1.0</td>
</tr>
</tbody>
</table>

**Description**

Totals for custom fields should be ordered by the position value of the fields, but actually they are ordered by id. They should be ordered according to the position value, like the issues list.

Assume that the positions of the project custom fields are set like this:

custom-fields-position.png

Totals for the custom fields are expected to be displayed in the same order as in the image above, but are actually sorted by id values in the database.

order-of-totals.png

**Associated revisions**

**Revision 19758 - 2020-05-08 06:30 - Go MAEDA**

Fix that totals of custom fields may not be sorted as configured (#33281).

Patch by Yuichi HARADA.

**Revision 19759 - 2020-05-08 06:46 - Go MAEDA**

Merged r19758 from trunk to 4.1-stable (#33281).

**History**

#1 - 2020-04-22 07:58 - Yuichi HARADA

- File 33281.patch added

Fixed the Totals for custom fields to be sorted by field position order. I attached a patch.

diff --git a/app/models/query.rb b/app/models/query.rb
index 100728cfc..7f1169023 100644
--- a/app/models/query.rb
+++ b/app/models/query.rb
@@ -755,7 +755,13 @@
    end

    def available_totalable_columns
        - available_columns.select(&:totalable)
        + available_columns.select(&:totalable).sort do |a, b|

if a.is_a?(QueryCustomFieldColumn) && b.is_a?(QueryCustomFieldColumn)
  a.custom_field <=> b.custom_field
else
  0
end
end

def default_columns_names

#2 - 2020-04-22 08:28 - Go MAEDA
- Category changed from Projects to Filters
- Target version set to 4.1.2

Setting the target version to 4.1.2.

#3 - 2020-04-24 09:13 - Yuichi HARADA
- File 33281-v2.patch added

Custom fields that are normally stored in "Query#available_columns" are in position order, but the cross-project's projects, issues, and spent time tabs do not store them in "Query#available_columns" in position order.

I fixed the patch as follows.

diff --git a/app/models/project_query.rb b/app/models/project_query.rb
index 72a0922bd..b8c79072f 100644
--- a/app/models/project_query.rb
+++ b/app/models/project_query.rb
@@ -69,7 +69,7 @@ class ProjectQuery < Query
       def available_columns
         return @available_columns if @available_columns
         @available_columns = self.class.available_columns.dup
-        @available_columns += ProjectCustomField.visible.
+        @available_columns += project_custom_fields.visible.
           map { |cf| QueryCustomFieldColumn.new(cf) }
             @available_columns
       end
diff --git a/app/models/query.rb b/app/models/query.rb
index 100728cfff..31c5c911b 100644
--- a/app/models/query.rb
+++ b/app/models/query.rb
@@ -609,13 +609,13 @@ class Query < ActiveRecord::Base
       if project
         project.rolled_up_custom_fields
       else
-          IssueCustomField.all
+          IssueCustomField.sorted
       end
       end
# Returns a scope of project custom fields that are available as columns or filters

def project_custom_fields
  - ProjectCustomField.all
  + ProjectCustomField.sorted
end

# Returns a scope of project statuses that are available as columns or filters

diff --git a/app/models/time_entry_query.rb b/app/models/time_entry_query.rb
index 610e7628e..39c931d4a 100644
--- a/app/models/time_entry_query.rb
+++ b/app/models/time_entry_query.rb
@@ -113,7 +113,7 @@ class TimeEntryQuery < Query
    map {|cf|
      QueryCustomFieldColumn.new(cf) }
  end
@@ -113,7 +113,7 @@ class TimeEntryQuery < Query
      QueryAssociationCustomFieldColumn.new(:issue, cf, :totalable => false) }
    end
@available_columns += issue_custom_fields.visible.
map {|cf|
  QueryAssociationCustomFieldColumn.new(:issue, cf, :totalable => false) }
- @available_columns += ProjectCustomField.visible.
+ @available_columns += project_custom_fields.visible.
    map {|cf|
      QueryAssociationCustomFieldColumn.new(:project, cf) }
@end

#4 - 2020-04-28 03:49 - Go MAEDA

Yuichi HARADA wrote:

> Custom fields that are normally stored in "Query#available_columns" are in position order, but the cross-project's projects, issues, and spent time tabs do not store them in "Query#available_columns" in position order.
> I fixed the patch as follows.
> [...]

Thank you for deeply inspecting the issue. But I found that the order of totals on Spent time page still ignores the position value of custom fields even after applying attachment:33281-v2.patch.

Could you look into it?

#5 - 2020-05-07 07:31 - Yuichi HARADA

- File 33281-v3.patch added

Go MAEDA wrote:

Thank you for deeply inspecting the issue. But I found that the order of totals on Spent time page still ignores the position value of custom fields even after applying attachment:33281-v2.patch.

Could you look into it?

Thank you for pointing out.
I confirmed that TimeEntryCustomFields are not arranged in order of position. It was solved by adding the following patch to attachment: 33281-v2.patch.

diff --git a/app/models/query.rb b/app/models/query.rb
index 31c5c911b..45e9882a7 100644
--- a/app/models/query.rb
+++ b/app/models/query.rb
@@ -618,6 +618,11 @@ class Query < ActiveRecord::Base
    ProjectCustomField.sorted
end

+  # Returns a scope of time entry custom fields that are available as columns or filters
+  def time_entry_custom_fields
+    TimeEntryCustomField.sorted
+  end

+  # Returns a scope of project statuses that are available as columns or filters
+  def project_statuses_values
+    [ ]
+  end

diff --git a/app/models/time_entry_query.rb b/app/models/time_entry_query.rb
index 39c931d4a..c8f8eaaeb 100644
--- a/app/models/time_entry_query.rb
+++ b/app/models/time_entry_query.rb
@@ -100,7 +100,7 @@ class TimeEntryQuery < Query
    add_available_filter "comments", :type => :text
    add_available_filter "hours", :type => :float

-    add_custom_fields_filters(TimeEntryCustomField)
+    add_custom_fields_filters(time_entry_custom_fields)
    add_associations_fields_filters :project
    add_custom_fields_filters(issue_custom_fields, :issue)
    add_associations_fields_filters :user
@@ -109,7 +109,7 @@ class TimeEntryQuery < Query
    def available_columns
      return @available_columns if @available_columns
      @available_columns = self.class.available_columns.dup
-      @available_columns += TimeEntryCustomField.visible.
+      @available_columns += time_entry_custom_fields.visible.
          map { |cf| QueryCustomFieldColumn.new(cf) }
      @available_columns += issue_custom_fields.visible.
          map { |cf| QueryAssociationCustomFieldColumn.new(issue, cf, :totalable => false) }

#6 - 2020-05-08 06:36 - Go MAEDA
- Subject changed from The order of the totals of project custom fields ignores their position value to Totals of custom fields may not be sorted as configured

#7 - 2020-05-08 06:46 - Go MAEDA
- Status changed from New to Closed
- Assignee set to Go MAEDA
- Resolution set to Fixed

2021-03-21
Committed the patch. Thank you.

<table>
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<tr>
<th>Files</th>
<th>Size</th>
<th>Date</th>
<th>Author</th>
</tr>
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<td>33.7 KB</td>
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<td>order-of-totals.png</td>
<td>167 KB</td>
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<td>1.71 KB</td>
<td>2020-04-22</td>
<td>Yuichi HARADA</td>
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<td>33281-v2.patch</td>
<td>3.94 KB</td>
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<td>33281-v3.patch</td>
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