Redmine - Defect #20042
A test fail when running it with PostgreSQL

2015-06-08 11:41 - Vincent Robert

<table>
<thead>
<tr>
<th>Status:</th>
<th>Closed</th>
<th>Start date:</th>
<th>Closed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Priority:</td>
<td>Normal</td>
<td>Due date:</td>
<td>0%</td>
</tr>
<tr>
<td>Assignee:</td>
<td>Go MAEDA</td>
<td>% Done:</td>
<td>0%</td>
</tr>
<tr>
<td>Category:</td>
<td>Code cleanup/refactoring</td>
<td>Estimated time:</td>
<td>0.00 hour</td>
</tr>
<tr>
<td>Target version:</td>
<td>5.1.0</td>
<td>Affected version:</td>
<td>3.0.3</td>
</tr>
<tr>
<td>Resolution:</td>
<td>Fixed</td>
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When running the test suite with PostgreSQL, this test fails:

```
Minitest::Assertion: "Bug #16: Special chars: Öö" not found in 
", start_date: nil, done_ratio: 0, estimated_hours: nil, parent_id: nil, root_id: 15, lft: 1, rgt: 2, is_private: false, closed_on: nil}|"
```

test/unit/search_test.rb:159:in `test_search_should_be_case_insensitive_with_accented_characters'

**Related issues:**

- Related to Redmine - Defect #19273: acts_as_searchable.rb only seems to be ca... Closed

**Associated revisions**

**Revision 21990 - 2022-12-09 06:57 - Go MAEDA**
Fix test failure when running with PostgreSQL (#20042).

Patch by Ko Nagase.

**History**

**#1 - 2015-06-08 13:39 - Toshi MARUYAMA**
- Status changed from New to Needs feedback
- Resolution set to Cant reproduce

Cannot reproduce.
http://www.redmine.org/builds/index.html

**#2 - 2015-06-08 13:40 - Toshi MARUYAMA**
- Related to Defect #19273: acts_as_searchable.rb only seems to be case insensitive if postgresql added

**#3 - 2015-06-15 09:56 - Vincent Robert**
Using PostgreSQL 9.3.1, with a fresh install on Mac OS X, without any plugin, I get this failure:

```
redmine-3.0.3: ruby test/unit/search_test.rb
Run options: --seed 51093

# Running:

........F.

Finished in 1.519564s, 5.9228 runs/s, 21.0587 assertions/s.
```

1) Failure: SearchTest#test_search_should_be_case_insensitive_with_accented_characters [test/unit/search_test.rb:159]: "Bug #18: Special chars: Öö" not found in 
", start_date: nil, done_ratio: 0, estimated_hours: nil, parent_id: nil, root_id: 17, lft: 1, rgt: 2023-08-06
1/3
# 4 - 2021-01-18 09:00 - Ko Nagase

Well, I encountered the same error on the latest master (trunk, 4.1+) on macOS Mojave (10.14.6) and PostgreSQL 13.1 (from Homebrew).

$ bundle exec rails test test/unit/search_test.rb:153
Run options: --seed 50546

# Running:
F


bin/rails test test/unit/search_test.rb:153

Finished in 0.533460s, 1.8746 runs/s, 3.7491 assertions/s.
1 runs, 2 assertions, 1 failures, 0 errors, 0 skips

But, after enabling unaccent extension on PostgreSQL, then the test was passed. https://stackoverflow.com/questions/11005036/does-postgresql-support-accent-insensitive-collations/11007216#11007216

$ psql -U postgres redmine_test
# CREATE EXTENSION unaccent;
# \q
$ bundle exec rails test test/unit/search_test.rb:153
Run options: --seed 21594

# Running:
.

Finished in 0.535496s, 1.8674 runs/s, 3.7349 assertions/s.
1 runs, 2 assertions, 0 failures, 0 errors, 0 skips

So, I think that this is PostgreSQL environment related issue.

# 5 - 2022-11-13 08:29 - Ko Nagase

From the past PostgreSQL accent insensitive search issue (#18801) and the following r13989 diffs,

- https://www.redmine.org/projects/redmine/repository/revisions/13989/diff/trunk/test/unit/search_test.rb

I think that the same purpose test is done in "test_search_should_be_case_and_accent_insensitive_with_postgresql_and_noaccent_extension" for PostgreSQL, so failed test is not necessary for PostgreSQL.

With the following changes, I confirmed that all test passed in macOS environment.

```ruby
--- a/test/unit/search_test.rb
+++ b/test/unit/search_test.rb
@@ -175,7 +175,7 @@ class SearchTest < ActiveSupport::TestCase
     end
     def test_search_should_be_case_insensitive_with_accented_characters
         - unless sqlite?
+        unless sqlite? || postgresql?
```
Above changes can be replaced to "if mysql?", but in that case, checking #18537 issue and the following r13767 changes may be necessary.

- https://www.redmine.org/projects/redmine/repository/revisions/13767/diff/trunk/unit/search_test.rb

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#6 - 2022-12-01 09:41 - Go MAEDA

- Category set to Code cleanup/refactoring
- Status changed from Needs feedback to New
- Target version set to 5.1.0
- Resolution deleted (Cant reproduce)

Ko Nagase wrote:

From the past PostgreSQL accent insensitive search issue (#18801) and the following r13989 diffs,

- https://www.redmine.org/projects/redmine/repository/revisions/13989/diff/trunk/test/unit/search_test.rb

I think that the same purpose test is done in "test_search_should_be_case_and_accent_insensitive_with_postgresql_and_noaccent_extension" for PostgreSQL, so failed test is not necessary for PostgreSQL.

With the following changes, I confirmed that all test passed in macOS environment.

Thank you for investigating the issue. I will commit the fix you suggested in #20042#note-5.

Setting the target version to 5.1.0.

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#7 - 2022-12-09 06:58 - Go MAEDA

- Status changed from New to Closed
- Assignee set to Go MAEDA
- Resolution set to Fixed

Committed the patch. Thank you.