

Redmine - Defect #20042

A test fail when running it with PostgreSQL

2015-06-08 11:41 - Vincent Robert

Status:	Closed	Start date:	
Priority:	Normal	Due date:	
Assignee:	Go MAEDA	% Done:	0%
Category:	Code cleanup/refactoring	Estimated time:	0.00 hour
Target version:	5.1.0	Affected version:	3.0.3
Resolution:	Fixed		
<b>Description</b> When running the test suite with PostgreSQL, this test fails:  Minitest::Assertion: "Bug #16: Special chars: Öö" not found in "[#<Issue id: 15, tracker_id: 1, project_id: 1, subject: "Special chars: Öö , description: nil, due_date: nil, category_id: nil, status_id: 1, assigned_to_id: nil, priority_ id: 5, fixed_version_id: nil, author_id: 2, lock_version: 0, created_on: "2015-04-27 10:19:13 , updated_on: "2015-04-27 10:19:13 , 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'			
<b>Related issues:</b> Related to Redmine - Defect #19273: acts_as_searchable.rb only seems to be ca... <span>Closed</span>			

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 "[#<Issue id: 17, tracker_id: 1, project_id: 1, subject: "Special ch
ars: Öö", description: nil, due_date: nil, category_id: nil, status_id: 1, assigned_to_id: nil, priority_id: 5
, fixed_version_id: nil, author_id: 2, lock_version: 0, created_on: "2015-06-15 07:51:24", updated_on: "2015-0
6-15 07:51:24", start_date: nil, done_ratio: 0, estimated_hours: nil, parent_id: nil, root_id: 17, lft: 1, rgt
```

```
: 2, is_private: false, closed_on: nil>]"
```

9 runs, 32 assertions, 1 failures, 0 errors, 0 skips

Environment:

```
Redmine version      3.0.3.stable
Ruby version         2.2.2-p95 (2015-04-13) [x86_64-darwin14]
Rails version        4.2.1
```

#### #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
```

Failure:

```
SearchTest#test_search_should_be_case_insensitive_with_accented_characters [/path/to/redmine/test/unit/search_test.rb:159]:
```

```
"Bug #16: Special chars: Öö" not found in "[#<Issue id: 15, tracker_id: 1, project_id: 1, subject: "Special chars: Öö", description: nil, due_date: nil, category_id: nil, status_id: 1, assigned_to_id: nil, priority_id: 5, fixed_version_id: nil, author_id: 2, lock_version: 0, created_on: "2021-01-18 07:49:29", updated_on: "2021-01-18 07:49:29", 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>]"
```

```
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 skip
```

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/lib/plugins/acts\\_as\\_searchable/lib/acts\\_as\\_searchable.rb](https://www.redmine.org/projects/redmine/repository/revisions/13989/diff/trunk/lib/plugins/acts_as_searchable/lib/acts_as_searchable.rb)
- [https://www.redmine.org/projects/redmine/repository/revisions/13989/diff/trunk/test/unit/search\\_test.rb](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.

```
--- 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?
```

```
issue1 = Issue.generate!(:subject => "Special chars: öö")
issue2 = Issue.generate!(:subject => "Special chars: öö")
r = Issue.search_results('öö')
```

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/test/unit/search\\_test.rb](https://www.redmine.org/projects/redmine/repository/revisions/13767/diff/trunk/test/unit/search_test.rb)

#### #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/lib/plugins/acts\\_as\\_searchable/lib/acts\\_as\\_searchable.rb](https://www.redmine.org/projects/redmine/repository/revisions/13989/diff/trunk/lib/plugins/acts_as_searchable/lib/acts_as_searchable.rb)
- [https://www.redmine.org/projects/redmine/repository/revisions/13989/diff/trunk/test/unit/search\\_test.rb](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.

#### #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.