

Redmine - Patch #42422

Use Capybara's `assert_current_path` in "log_user" steps to wait for page in `ApplicationSystemTestCase`

2025-03-17 03:21 - Takuya Kodama

Status:	New	Start date:	
Priority:	Normal	Due date:	
Assignee:	Mariusus BĂLTEANU	% Done:	0%
Category:	Code cleanup/refactoring	Estimated time:	0.00 hour
Target version:	Candidate for next minor release		

Description

1. Problem

The login step in the system test sometimes fails because the expected page load isn't complete when the assertion is executed as follows.

```
$ cd ../redmine && RAILS_ENV=test bin/rails redmine:plugins:test NAME=full_text_search
# Running:

.....Capybara starting Puma...
* Version 6.6.0 , codename: Return to Forever
* Min threads: 0, max threads: 4
* Listening on http://127.0.0.1:43813
.[Screenshot Image]: /home/runner/work/redmine_full_text_search/redmine/tmp/screenshots/failures_t
est_keep_search_target.png
F

Failure:
FullTextSearch::SearchTest#test_keep_search_target [test/application_system_test_case.rb:79]:
--- expected
+++ actual
@@ -1,1 @@
-"/my/page"
+="/login"

rails test plugins/full_text_search/test/system/full_text_search/search_test.rb:58

.....SSS.....

Finished in 124.323414s, 0.8526 runs/s, 1.0778 assertions/s.
106 runs, 134 assertions, 1 failures, 0 errors, 3 skips
```

ref: https://github.com/clear-code/redmine_full_text_search/actions/runs/13889360454/job/38858640197

1. Cause

The test was using `assert_equal` to verify the current path immediately after form submission. Since `assert_equal` does not wait for the page to load fully, it leads to intermittent failures in environments where page rendering is slower.

1. Solution

Replace `assert_equal` with `assert_current_path` in the login steps. This change leverages Capybara's built-in waiting mechanism, ensuring that the test only proceeds once the browser has navigated to the expected page.

ref: https://www.rubydoc.info/gems/capybara/Capybara%2FSessionMatchers/assert_current_path

History

#1 - 2025-03-17 03:23 - Takuya Kodama

I'm so sorry I should use `Code cleanup/refactoring` category this time.

#2 - 2025-03-17 06:15 - Takuya Kodama

- File 0001-v2-Use-Capybara-s-assert_current_path-in-login-steps-to.patch added

Previous patch couldn't handle the path with query parameters.

Adding the `:ignore_query => true` option to `assert_current_path` allows the test assertions to ignore any query parameters present in the current URL, providing greater flexibility and robustness when query parameters are appended dynamically.

#3 - 2025-03-17 18:58 - Marius BĂLTEANU

- Description updated

- Category changed from My page to Code cleanup/refactoring

#4 - 2025-03-17 19:00 - Marius BĂLTEANU

- Subject changed from Use Capybara's assert_current_path in `log_user` steps to wait for page in ApplicationSystemTestCase to Use Capybara's assert_current_path in "log_user" steps to wait for page in ApplicationSystemTestCase

- Description updated

- Assignee set to Marius BĂLTEANU

- Target version set to Candidate for next minor release

#5 - 2025-03-23 17:15 - Katsuya HIDAKA

The failure of the log_user method test may be related to the following issue reported in Capybara:

[Chrome 134 breaks Selenium tests - intermittent failures with visit](#)

In fact, it does not reproduce in my environment (Chrome 131, selenium-driver 4.27.0).

Even so, the patch in [#note-2](#) is a reasonable improvement and it would be good to apply it. I have confirmed that applying the patch in [#note-2](#) resolves the failure of the log_user method test.

Also, the following test failure seems to be affected by the issue reported in Capybara:

Failure:

```
IssuesSystemTest#test_create_issue_with_attachment [test/test_helper.rb:231]:
```

```
"Issue.count" didn't change by 1, but by 0.
```

```
Expected: 15
```

```
Actual: 14
```

```
bin/rails test test/system/issues_test.rb:134
```

#6 - 2025-03-25 08:30 - Takuya Kodama

Thank you for giving me the above information and confirming my patch.

Files

0001-Use-Capybara-s-assert_current_path-in-login-steps-to.patch	2.74 KB	2025-03-17	Takuya Kodama
0001-v2-Use-Capybara-s-assert_current_path-in-login-steps-to.patch	2.79 KB	2025-03-17	Takuya Kodama