

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:	5.1.9		
Description			
<div>1. Problem</div> <p>The login step in the system test sometimes fails because the expected page load isn't complete when the assertion is executed as follows.</p> <pre>\$ 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_test_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</pre> <div>1. Cause</div> <p>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.</p> <div>1. Solution</div> <p>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.</p> <p>ref: https://www.rubydoc.info/gems/capybara/Capybara%2FSessionMatchers/assert_current_path</p>			

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.

#7 - 2025-04-22 07:12 - Marius BĂLTEANU

- Target version changed from Candidate for next minor release to 5.1.9

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