Redmine - Defect #32063

'use strict' in inlineAutoComplete causes error on Poltergeist

2019-09-15 09:58 - Tatsuya Saito

Status:	Closed		**Start date:**	
Priority:	Normal		**Due date:**	
Assignee:	Tatsuya Saito		**% Done:**	0%
Category:			**Estimated time:**	0.00 hour
Target version:				
Resolution:	Wont fix		**Affected version:**	

Description

'use strict' in inlineAutoComplete causes error on Poltergeist.
r18444 with #31989 implemented inlineAutoComplete method in application.js.
After that, integration tests of my plugin have following errors.

```
Error:
Capybara::Poltergeist::JavascriptError: One or more errors were raised in the Javascript code on t
he page. If you don't care about these errors, you can ignore them by setting js_errors: false in
your Poltergeist configuration (see documentation for details).
```

I attach a patch to fix it.

History

#1 - 2019-09-16 06:01 - Go MAEDA

I am not good at JavaScript, so I am not sure why the code in the core should be changed in order to fix the error raised in a plugin. Is the code added in r18444 wrong?

#2 - 2019-09-16 08:36 - Tatsuya Saito

Go MAEDA wrote:

> I am not good at JavaScript, so I am not sure why the code in the core should be changed in order to fix the error raised in a plugin. Is the code added in r18444 wrong?

const statement in JavaScript was defined from ES6, but poltergeist(phantomJS) does not support ES6 and causes the error with **use strict**.
https://www.ecma-international.org/ecma-262/6.0/#sec-let-and-const-declarations
https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Statements/const

r18444 added **inlineAutoComplete** method in **application.js.**
This method has **const in use strict**.
https://www.redmine.org/projects/redmine/repository/revisions/18444/diff/trunk/public/javascripts/application.js

I think old browsers without supporting ES6 may have same error (sorry, I don't check them).
So I think this problem should be fixed by core code.
If that old browsers are not supported, this problem is my plugin test, so should reject this issue.

I'm not good JavaScript too. Sorry if there is a mistake.

#3 - 2019-09-16 09:16 - Go MAEDA

- Assignee set to Marius BĂLTEANU

I understand. Thank you for the explanation.

Marius, please check the attached patch. Is it OK with you?

#4 - 2019-09-21 11:48 - Marius BĂLTEANU

- Status changed from New to Needs feedback

- Assignee changed from Marius BĂLTEANU to Tatsuya Saito

I don't think we should write old JS syntax only to make the code compatible with PhantomJS which is no longer under active development. Also, Redmine is using Selenium with Chrome driver for system tests starting with version 4.

Regarding old browsers, I would be very happy to change the code if is not compatible with an old browser which is still supported by Redmine. Do you know one? From my tests, there is no problem in IE11.

#5 - 2019-09-21 15:06 - Tatsuya Saito

Marius BALTEANU,
Thank you for explanation, and I agree your opinion.
I don't know other browser with the problem. I think this issue shall be rejected.

#6 - 2019-10-06 10:55 - Go MAEDA

- Status changed from Needs feedback to Closed

- Resolution set to Wont fix

Files

patch.diff	1.02 KB	2019-09-15		Tatsuya Saito