Redmine - Defect #12744
Unable to call a macro with a name that contains uppercase letters
2013-01-05 02:18 - Ling Li

Status: Closed
Priority: Normal
Assignee: Jean-Philippe Lang
Category: Plugin API
Target version: 2.2.1
Resolution: Fixed

Description
I recently upgraded from 2.0 to 2.2 and found that some macros stopped working. Those macros have upper-case letters in their name (e.g., EnableLaTeXMath), and it seems to me that Redmine 2.2 only triggers macro names in lower cases.

hypothesis: when looking up macros, Redmine 2.2 converts the macro name to lower case; but when registering the macro, Redmine 2.2 forgets to lower-case the names. So if a macro has upper case letters in the name during registration, it will never be found when it is called...

Associated revisions
Revision 11126 - 2013-01-06 00:11 - Jean-Philippe Lang
Fixed that macros with uppercase letters can be called (#12744).

Revision 11145 - 2013-01-09 14:31 - Jean-Philippe Lang
Merged r11126 from trunk (#12744).

History
#1 - 2013-01-05 12:20 - Daniel Felix
Hi there,

well on the first sight, this seems to be ok.

Save a new macro:
source:trunk/lib/redmine/wiki_formatting/macros.rb#L153
There is a downcase in line 153

Find the macro:
source:trunk/app/helpers/application_helper.rb#L864
There is a $4.downcase in line 864

#2 - 2013-01-05 21:39 - Ling Li
I don't know Ruby but this line seems suspicious where name is added to available_macros before downcase:
source:trunk/lib/redmine/wiki_formatting/macros.rb#L151
available_macros[name] = {desc => @@desc || '}.merge(options)
(well, it’s possible that available_macros is not used during macro look-up. I’ll try to figure out why my plugin works only after I rename it to lower-case.)

#3 - 2013-01-05 21:54 - Ling Li

I think that was the culprit. An ugly line (before that L151) fixes the problem, and confirms that the problem was due to not lower-casing the names during macro registration:

```ruby
name = "#{name}\".downcase       # <-- this is the ugly fix
name = name.to_sym if name.is_a?(String)
available_macros[name] = { :desc => @@desc || ".merge(options)
@@desc = nil
Definitions.send :define_method, "macro_#{name}" , &block   # <-- downcase was already done
```

#4 - 2013-01-06 00:13 - Jean-Philippe Lang

- Subject changed from Macro name has to be lower-cased? to Unable to call a macro with a name that contains uppercase letters
- Status changed from New to Closed
- Assignee set to Jean-Philippe Lang
- Target version set to 2.2.1
- Resolution set to Fixed

Fix committed with test in r11126, thanks for pointing this out.
Maybe we should even make macro name case-sensitive?

#5 - 2013-01-06 00:13 - Jean-Philippe Lang

- Status changed from Closed to Resolved

#6 - 2013-01-06 02:28 - Ling Li

I can confirm that r11126 fixes the problem. Thanks.

#7 - 2013-01-06 19:22 - Takeshi Yaegashi

- File 0001-Preserve-case-of-macro-names-shown-by-macro_list.patch added

Jean-Philippe Lang wrote:

```
Fix committed with test in r11126, thanks for pointing this out.
Maybe we should even make macro name case-sensitive?
```

I’ve just been stuck by this bug with my own macros too. There have already been many macro uses with case-confused names, so I hope they would remain case-insensitive.

Btw, I like `\{(macro_list)` to show macro names with case preserved. Please consider a fix like an attached patch.

#8 - 2013-01-09 14:31 - Jean-Philippe Lang
- Status changed from Resolved to Closed

Merged.

Btw, I like \{macro_list\} to show macro names with case preserved. Please consider a fix like an attached patch.

Will be fixed as a separate issue.

Files

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<th>File Name</th>
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<tr>
<td>0001-Preserve-case-of-macro-names-shown-by-macro_list.patch</td>
<td>2.34 KB</td>
<td>2013-01-06</td>
<td>Takeshi Yaegashi</td>
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