Redmine - Defect #33432
Rendering of Macros with (empty) text parameter different in preview and non preview mode
2020-05-11 13:57 - Holger Mößinger

<table>
<thead>
<tr>
<th>Status:</th>
<th>Confirmed</th>
<th>Start date:</th>
<th></th>
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<tbody>
<tr>
<td>Priority:</td>
<td>Normal</td>
<td>Due date:</td>
<td></td>
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<tr>
<td>Assignee:</td>
<td></td>
<td>% Done:</td>
<td>0%</td>
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<td>Category:</td>
<td>Text formatting</td>
<td>Estimated time:</td>
<td>0.00 hour</td>
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<tr>
<td>Target version:</td>
<td></td>
<td>Affected version:</td>
<td>4.1.1</td>
</tr>
</tbody>
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Description

Macros with empty text parameter are rendered differently in preview mode vs. non preview mode.

The preview mode seems to parse the the closing double curly brackets as text parameter and does not stop until the next macros double curly brackets, while the non preview mode parses an empty text parameter.

The sample code below shows demonstrates this with the collapse macro, but it happens for any macro which allows a text parameter and the two attached images.

This might be an issue with a greedy regular expression.

Test code for the bug in Redmine 4.x

```ruby
{{collapse(Collapse 1)}}
```

Above is a empty collapse macro which renders correctly in preview and in wiki view.

```ruby
{{collapse(Collapse 2)}}
```

Above is a empty collapse macro which renders correctly in wiki view but this text (and the following macro up to its closing curly brackets) will not be visible in preview mode.

```ruby
{{collapse(Collapse 3)}
This is a block of text that is collapsed by default.
It can be expanded by clicking a link.
}
```

Above is a non empty collapse macro which renders correctly in preview and in wiki view.

Test code for the bug in Redmine 4.x

```ruby
{{collapse(Collapse 1)}}
```

Above is a empty collapse macro which renders correctly in preview and in wiki view.

```ruby
{{collapse(Collapse 2)}}
```

Above is a empty collapse macro which renders correctly in wiki view but this text (and the following macro up to its closing curly brackets) will not be visible in preview mode.
Above is a non empty collapse macro which renders correctly in preview and in wiki view.

Redmine%204.x%20preview%20render.PNG
Redmine%204.x%20wiki%20render.PNG

Environment:

- Redmine version: 4.1.1.stable
- Ruby version: 2.6.6-p146 (2020-03-31) [x86_64-linux]
- Rails version: 5.2.4.2
- Environment: production
- Database adapter: PostgreSQL
- Mailer queue: ActiveJob::QueueAdapters::AsyncAdapter
- Mailer delivery: smtp

SCM:

- Subversion: 1.10.4
- Git: 2.20.1
- Xitolite: 2.20.1

Redmine plugins:

- additions: 2.0.24-master
- redmine_advancedimage: 0.0.4
- redmine_agile: 1.5.3
- redmine_checklists: 3.1.16
- redmine_filelinks: 0.0.0
- redmine_git_hosting: 4.0.2
- redmine_latex_mathjax: 0.4.0
- redmine_lightbox2: 0.5.1
- redmine_local_avatars: 1.0.0
- redmine_mentions: 1.0.0
- redmine_postgresql_search: 1.0.6
- redmine_recurring_tasks: 0.3.4
- redmine_reporting: 2.0.6
- redmine_wiki_lists: 0.0.9
- redmine_wikiapproval: 0.0.0
- redmine_wikiforms: 0.0.0
- redmineup_tags: 2.0.8
- sidebar_hide: 0.0.8-fix

History:

#1 - 2020-05-16 05:28 - Go MAEDA
- Category changed from Wiki to Text formatting
- Status changed from New to Confirmed

#2 - 2020-05-21 05:00 - Yuichi HARADA
- File 33432.patch added
It seems that the line break code is different between preview mode and non-preview mode.
So preview mode doesn’t seem to match the regular expression `ApplicationHelper::MACROS_RE`.

preview mode (Linebreak: "\n"). Since the input value is posted via JavaScript, the line break code is replaced from "\n" to "\n".

"Test code for the bug in Redmine 4.x:\n\nAbove is a empty collapse macro which renders correctly in preview and in wiki view.\n\nAbove is a empty collapse macro which renders correctly in wiki view but this text (and the following macro up to its closing curly brackets) will not be visible in preview mode.\n\nThis is a block of text that is collapsed by default.\n\nThis can be expanded by clicking a link.\n\nAbove is a non empty collapse macro which renders correctly in preview and in wiki view."

non-preview mode (Linebreak: "\n")

"Test code for the bug in Redmine 4.x:\n\nAbove is a empty collapse macro which renders correctly in preview and in wiki view.\n\nAbove is a empty collapse macro which renders correctly in wiki view but this text (and the following macro up to its closing curly brackets) will not be visible in preview mode.\n\nThis is a block of text that is collapsed by default.\n\nThis can be expanded by clicking a link.\n\nAbove is a non empty collapse macro which renders correctly in preview and in wiki view."

Fixed the regular expression. I think this will solve the problem.

diff --git a/app/helpers/application_helper.rb b/app/helpers/application_helper.rb
index bf55e05a5..5bcdca29f 100644
--- a/app/helpers/application_helper.rb
+++ b/app/helpers/application_helper.rb
@@ -1277,8 +1277,8 @@ module ApplicationHelper
{"\n{                
  ([\w]+)          # macro name
 - (\([^"\n]*)?\)   # optional arguments
- (\([^\n]+\)?\)    # optional block of text
+ (\([^"R]*)?\))   # optional arguments
+ (\([^R]+\)?\)     # optional block of text
}\}                     # closing tag
  )
\}mx unless const_defined?(MACROS_RE)

Files

<table>
<thead>
<tr>
<th>File</th>
<th>Size</th>
<th>Date</th>
<th>Author</th>
</tr>
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<tbody>
<tr>
<td>Redmine 4.x preview render.PNG</td>
<td>26.4 KB</td>
<td>2020-05-11</td>
<td>Holger Mößinger</td>
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<tr>
<td>Redmine 4.x wiki render.PNG</td>
<td>27.6 KB</td>
<td>2020-05-11</td>
<td>Holger Mößinger</td>
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<tr>
<td>33432.patch</td>
<td>785 Bytes</td>
<td>2020-05-21</td>
<td>Yuichi HARADA</td>
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