Redmine - Defect #40650

Fix duplicate alt and title attributes when alt text is specified for attached images in Textile formatter

2024-05-01 19:58 - Katsuya HIDAKA

Status:	Closed		**Start date:**	
Priority:	Normal		**Due date:**	
Assignee:	Go MAEDA		**% Done:**	0%
Category:	Text formatting		**Estimated time:**	0.00 hour
Target version:	6.0.0			
Resolution:	Fixed		**Affected version:**	

Description

This patch fixes the following problems when specifying alt text for attached images in Textile format.

- When a description is set for an attached image, the specified alt text is ignored and the description of the attached image takes effect.
- Incorrect img tags are generated with duplicate definitions of alt and title attributes.

```
!ruby-logo.png(alt text)!
```

When "description" is set in the description of the attached image ruby-logo.png, the result of the above Textile is as follows

Wiki (when hovering over the image)	Generated HTML
before_wiki.png	`<img src="/attachments/download/31/logo.png" title="description" alt="description" loading="lazy" title="alt text" alt="alt text" /></p>`

The current implementation expects to generate an img tag with "alt text" applied to the alt and title attributes, but actually generates an img tag with "description" applied.

This is due to the fact that the img tag defines two alt attributes (title attribute) with the values "alt text" and "description"; the HTML specification does not allow duplicate attributes ([13.1.2.3 Attributes](#)), and attributes defined later are ignored.

The result after applying the attached patch is as follows

Wiki (when hovering over the image)	Generated HTML
after_wiki.png	`<img src="/attachments/download/31/logo.png" title="alt text" alt="alt text" loading="lazy" /></p>`

The CommonMark format should not be affected by this problem. Please see the attached test code for the first and second patches.

My environment is as follows

```
Environment:
  Redmine version                5.1.2.devel
  Ruby version                   3.3.1-p55 (2024-04-23) [x86_64-linux]
  Rails version                  7.1.2
  Environment                    development
  Database adapter               SQLite
  Mailer queue                   ActiveJob::QueueAdapters::AsyncAdapter
  Mailer delivery                smtp
Redmine settings:
  Redmine theme                  Default
SCM:
  Subversion                     1.14.2
  Mercurial                      6.3.2
```

```
  Cvs                              1.12.13
  Bazaar                           3.3.2
  Git                              2.39.2
  Filesystem
Redmine plugins:
  no plugin installed
```

Associated revisions

Revision 22844 - 2024-05-24 04:16 - Go MAEDA

Add tests for current alt attribute behavior in images (#40650).

Patch by Katsuya HIDAKA (@hidakatsuya).

Revision 22845 - 2024-05-24 04:52 - Go MAEDA

Fix duplicated alt and title attributes for attached images in Textile formatter (#40650).

Patch by Katsuya HIDAKA (@hidakatsuya).

History

#1 - 2024-05-16 10:57 - Go MAEDA

- Tracker changed from Patch to Defect

- Target version set to 6.0.0

Setting the target version to 6.0.0.

#2 - 2024-05-24 04:53 - Go MAEDA

- Subject changed from Fix alt and title attributes when alt text is specified for attached images in Textile format. to Fix duplicate alt and title attributes when alt text is specified for attached images in Textile formatter

- Category changed from Wiki to Text formatting

- Status changed from New to Closed

- Assignee set to Go MAEDA

- Resolution set to Fixed

Committed the patches in [r22844](r22844) and [r22845](r22845).

Files

before_wiki.png	38.1 KB	2024-05-01	Katsuya HIDAKA
after_wiki.png	37.8 KB	2024-05-01	Katsuya HIDAKA
0001-Add-tests-for-current-alt-attribute-behavior-in-images.patch	4.34 KB	2024-05-01	Katsuya HIDAKA
0002-Fix-alt-and-title-attributes-for-attached-images-in-Wiki.patch	3.34 KB	2024-05-01	Katsuya HIDAKA