

## Redmine - Patch #40210

### Remove overrides that inserts a non-breaking space (nbsp) to empty option elements

2024-02-08 08:05 - Mizuki ISHIKAWA

<b>Status:</b>	Closed	<b>Start date:</b>	
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	Marius BĂLTEANU	<b>% Done:</b>	0%
<b>Category:</b>	Code cleanup/refactoring	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	6.0.0		
<b>Description</b>			
<p>In Redmine forms, a problem occurs where the "blank" option does not appear in select box fields (e.g., Version or Category). The blank option is visible when the default value is blank, such as in the new issue form. However, if a non-blank value is selected, saved, and then the edit issue form is reloaded, the blank option is missing from the select box.</p> <p>Example 1: After changing the category value from blank to another value and registering the issue, when you attempt to change the category back to blank in the edit form, the blank option is missing from the category select box.</p> <p>Example 2: Similarly, when creating a new issue with a default version set in the project settings, if you try to set the version back to blank, the blank option is missing from the version select box.</p> <p>Despite the <code>f.selectbox</code> being configured with <code>include_blank: true</code>, it does not seem to function properly. This issue does not occur in the Redmine 5.1-stable version and is observed only in the trunk version.</p>			
<b>Related issues:</b>			
Related to Redmine - Feature #36320: Migrate to Rails 7.1		<b>Reopened</b>	
Related to Redmine - Defect #25337: Redmine patch for Rails breaks functional...		<b>Closed</b>	

#### Associated revisions

##### Revision 22701 - 2024-02-10 11:28 - Marius BĂLTEANU

Remove overrides that inserts a non-breaking space (nbsp) to empty option elements (#40210).

Patch by Go MAEDA (maeda).

#### History

##### #1 - 2024-02-08 08:29 - Go MAEDA

- File `clipboard-202402081626-rfc6i.png` added

- Status changed from *New* to *Confirmed*

I have confirmed the issue. In the following screenshot, you cannot set the assignee field to blank.

clipboard-202402081626-rfc6i.png

## #2 - 2024-02-08 09:11 - Mizuki ISHIKAWA

It appears to be affected by the changes made to config/initializers/10-patches.rb in [r22488](https://github.com/redmine/redmine/commit/7b911245d31509da8fa656bbedc37213d3148897?diff=unified&w=0#diff-3df1b8f50fcd1f2cef72d0bae0d030cc1c5dad45c63acbd1722b4c6fa98c7f6R55-L83) (<https://github.com/redmine/redmine/commit/7b911245d31509da8fa656bbedc37213d3148897?diff=unified&w=0#diff-3df1b8f50fcd1f2cef72d0bae0d030cc1c5dad45c63acbd1722b4c6fa98c7f6R55-L83>).

The problem can be fixed by making the following change.

```
diff --git a/config/initializers/10-patches.rb b/config/initializers/10-patches.rb
index 1d932eb1f..6024e8c8d 100644
--- a/config/initializers/10-patches.rb
+++ b/config/initializers/10-patches.rb
@@ -41,7 +41,7 @@ module ActionView
   SelectRenderer.prepend(Module.new do
     def add_options(option_tags, options, value = nil)
       if options.delete(:include_blank)
-         options[:prompt] = '&nbsp;'.html_safe
+         options[:include_blank] = '&nbsp;'.html_safe
       end
       super
     end
   end
```

### #3 - 2024-02-08 09:28 - Go MAEDA

- Related to Feature #36320: Migrate to Rails 7.1 added

### #4 - 2024-02-09 04:36 - Go MAEDA

- File dont-insert-nbsp-to-blank-option-element.patch added

I am beginning to question the necessity of the code that inserts a non-breaking space (nbsp) to empty option elements.

The code was added in [r12237](#). The purpose of the change was to fix HTML5 validation failures pointed out in [#15191](#). However, I have not found any evidence that empty option elements violate HTML5 standards.

I tested the following HTML, which contains an empty option element (`<option value="" label="">`), using the [Nu Html Checker](#) by W3C and the test passed without any errors.

```
<!DOCTYPE html>
<html lang="en">
<head>
<title>test</title>
</head>
<body>
<select name="issue[category_id]" id="issue_category_id"><option value="" label=""></option>
<option selected="selected" value="1">Printing</option>
<option value="2">Recipes</option></select>
</body>
</html>
```

Additionally, I checked the [MDN documentation](#) and still could not find any mention of an empty option element being prohibited.

I believe the Rails team should have improved the form helper to insert nbsp when `:include_blank` is passed if it violates HTML5 standards, but such enhancement has not occurred even 10 years after [r12237](#) was committed. In my opinion, this suggests that the Rails team does not consider empty option elements are disallowed.

Based on the above, I propose to delete the code to insert nbsp to every blank option element.

### #5 - 2024-02-09 05:28 - Mizuki ISHIKAWA

Based on the above, I propose to delete the code to insert nbsp to every blank option element.

I'm in favor of it.

### #6 - 2024-02-09 14:05 - Marius BĂLTEANU

- Assignee set to Marius BĂLTEANU

### #7 - 2024-02-10 11:29 - Marius BĂLTEANU

- Tracker changed from Defect to Patch

- Subject changed from Blank option not included in selectbox options when a non-blank value is selected to Remove overrides that inserts a non-breaking space (nbsp) to empty option elements

- Category set to Code cleanup/refactoring

- Status changed from Confirmed to Resolved

- Target version set to 6.0.0

### #8 - 2024-02-11 01:00 - Go MAEDA

- Related to Defect #25337: Redmine patch for Rails breaks functionality of select\_tag added

### #9 - 2024-02-13 23:37 - Marius BĂLTEANU

- Status changed from Resolved to Closed

## Files

clipboard-202402081626-rfc6i.png	113 KB	2024-02-08	Go MAEDA
dont-insert-nbsp-to-blank-option-element.patch	2.53 KB	2024-02-09	Go MAEDA