

Redmine - Patch #38772

<=> should return nil when invoked with an incomparable object

2023-06-25 06:37 - Go MAEDA

Status:	Closed	Start date:	
Priority:	Normal	Due date:	
Assignee:	Go MAEDA	% Done:	0%
Category:	Code cleanup/refactoring	Estimated time:	0.00 hour
Target version:	5.1.0		

Description

`<=>` method of Ruby's standard classes returns nil if it is invoked with an incomparable object. For example, `1 <=> nil` returns nil. But in Redmine, ``<=>`` methods in most classes raises an exception.

One of the problems that this can cause is the following indirect error messages when comparisons are made between incomparable objects.

```
irb(main):002:0> [IssuePriority.first, nil].sort
Traceback (most recent call last):
  1: from app/models/enumeration.rb:94:in `<=>'
NoMethodError (undefined method `position' for nil:NilClass)
```

The attached patch adds a type check and fixes the behavior to return nil.

Before:

```
irb(main):001:0> IssuePriority.first <=> nil
Traceback (most recent call last):
  1: from app/models/enumeration.rb:94:in `<=>'
NoMethodError (undefined method `position' for nil:NilClass)
irb(main):002:0> [IssuePriority.first, nil].sort
Traceback (most recent call last):
  1: from app/models/enumeration.rb:94:in `<=>'
NoMethodError (undefined method `position' for nil:NilClass)
irb(main):003:0> IssuePriority.first <=> Tracker.last
=> -1
```

After:

```
irb(main):001:0> IssuePriority.first <=> nil
=> nil
irb(main):002:0> [IssuePriority.first, nil].sort
(irb):2:in `sort': comparison of IssuePriority with nil failed (ArgumentError)
irb(main):003:0> IssuePriority.first <=> Tracker.last
=> nil
```

Related issues:

Related to Redmine - Defect #32704: ActionView::Template::Error (undefined me...

Closed

Associated revisions

Revision 22269 - 2023-06-29 16:42 - Go MAEDA

<=> operator should return nil when invoked with an incomparable object (#38772).

Patch by Go MAEDA.

History

#1 - 2023-06-25 06:57 - Go MAEDA

- Related to Defect #32704: ActionView::Template::Error (undefined method `position' for nil:NilClass): added

#2 - 2023-06-26 10:23 - Holger Just

LGTM!

#3 - 2023-06-26 12:04 - Go MAEDA

- *Description updated*

- *Target version set to 5.1.0*

#4 - 2023-06-29 16:42 - Go MAEDA

- *Status changed from New to Closed*

- *Assignee set to Go MAEDA*

Committed the patch.

Files

add_type_check_in_spaceship_operators.patch

6.28 KB

2023-06-25

Go MAEDA