Redmine - Patch #4250

Tree based menus

2009-11-20 00:02 - Eric Davis

Status:	Closed	Start date:	2009-11-19	
Priority:	Normal	Due date:		
Assignee:	Eric Davis	% Done:	100%	
Category:	UI	Estimated time:	0.00 hour	
Target version:	0.9.0			

Description

Currently Redmine's menus are only liner: Overview, Activity...

These patches convert the menus into a tree structure. The first patch will let menus be grouped and organized like so:

• Overview

- Issues
 - New Issue
- Activity
- Settings

Which renders to html as:

```
<div id="main-menu">
... other menu items here ...
<a class="issues" href="/projects/abc/issues">Issues</a>
<a class="new-issue" accesskey="7" href="/projects/abc/issues/new">New issue</a>
```

The second patch will allow a menu to define an "unattached" menu. This type of menu is a chunk of code that will create a menu on the fly, based on the current page's data (e.g. current project). I've used this to add a menu that lists all of the Custom Queries on a project:

```
<div id="main-menu">
 ... other menu items here ...
   <1i>
    <a class="issues" href="/projects/abc/issues">Issues</a>
    <1i>
       <a class="new-issue" accesskey="7" href="/projects/abc/issues/new">New issue</a>
      <1i>
       <a class="query-2" href="/projects/cremin4/issues?query_id=2">Late</a>
       <a class="query-3" href="/projects/cremin4/issues?query_id=3">Needs an estimate</a>
    ... other items ...
 </div>
```

These two patches (plus some javascript and custom css) are what makes the <u>Shane and Peter theme</u> work. You can see how the theme is building the menus in it's <u>init.rb</u>

Both of these patches are backwards compatible. They only change how menus are stored internally and provide a some new methods for core/plugin menus. I've also included a bunch of tests for the MenuManager (which was untested). Once I get a code review or two, I can commit these. If anyone has any questions, feel free to ask.

Related issues:

Related to Redmine - Patch #6427: Create CSS to support child and nested menus

2010-09-17

Closed

Associated revisions

Revision 3090 - 2009-11-25 06:36 - Eric Davis

Converted Menus to a Tree structure to allow submenus.

- Bundle the rubytree gem
- Patched RubyTree's TreeNode to add some additional methods.
- Converted the menu rendering to walk the Tree of MenuItems to render each item
- Added a menu option for :parent_menu to make this menu a child of the parent
- · Added a bunch of tests
- Made MenuItem a subclass of Tree::TreeNode in order to use it's methods directly
- Changed the exceptions in MenuItem#new to be ArgumentErrors instead of the generic RuntimeError

#4250

Revision 3091 - 2009-11-25 06:36 - Eric Davis

Add support for unattached menus (generated dynamically)

A Menultem can define a :child_menus option with a Proc. When the menus are rendered, the Proc will be run and the resulting Menultems will be added to the page as child menus

#4250

Revision 3092 - 2009-11-25 06:36 - Eric Davis

Updated menus from JPL's feedback.

- Updated Mapper#push documentation
- Renamed :parent_menu to :parent
- Renamed the external API for :child_menus to :children. Internally it needs to stay :child_menus because Tree::TreeNode already defines a children method for another purpose

#4250

History

#1 - 2009-11-20 00:12 - Mischa The Evil

Not a real code review but looking at the patches this seems to be a huge improvement over the current implementation of the menus in Redmine.

+1

#2 - 2009-11-20 00:40 - Shane Pearlman

This goes a long way too in the ability to support plugins so that they may configure and add custom menu items. for example,

- · listing watched wiki pages in a drop down under wiki
- showing all settings in the drop menu to avoid having to click 2x just to get to members
- create a reports tab that includes both default reporting items and new custom reports

etc...

+1

#3 - 2009-11-20 12:22 - Henrik Ammer

+1

#4 - 2009-11-20 13:40 - Jean-Philippe Lang

Nice improvement for plugins indeed.

Small details:

- the existing doc should be updated (eg. new option :parent_menu in Mapper#push is absent)
- we have :before, :after, :last options (and not :before_menu, ...) so I expect a :parent option instead of :parent_menu
- same thing for MenuItem#new, :parent_menu and :child_menus should be renamed to :parent and :children
- it uses few methods of the (unpatched) rubytree lib, thus I'm not sure if it's worth the gem requirement

#5 - 2009-11-20 16:46 - Jean-Philippe Lang

- Category set to UI

#6 - 2009-11-21 07:39 - Dan Cameron

Can't wait.

#7 - 2009-11-21 15:28 - claire s

I've been trying this patch on my system for several weeks now and it's been really great. No problems and our team is working more efficiently. Thanks Eric!!

#8 - 2009-11-22 01:30 - Peter Chester

Our whole team loves the new menus. I can't wait to see this implemented so that the community can start coding to it.

#9 - 2009-11-23 19:11 - Eric Davis

Jean-Philippe Lang wrote:

Small details:

• the existing doc should be updated (eg. new option :parent_menu in Mapper#push is absent)

Agreed.

- we have :before, :after, :last options (and not :before_menu, ...) so I expect a :parent option instead of :parent_menu
- same thing for Menultem#new, :parent_menu and :child_menus should be renamed to :parent and :children

I agree but I think there was a reason I didn't use :parent. I think the node class defined and used parent for something else. I'll look into it and see.

• it uses few methods of the (unpatched) rubytree lib, thus I'm not sure if it's worth the gem requirement

What do you propose?

- 1. Bundle the gem with Redmine in vendor?
- 2. Extract only the classes we use and bundle them with Redmine in vendor?
- 3. Patch the gem and require a custom patched version? (I could host the gem on my Rubyforge/gemcutter account)

#10 - 2009-11-23 21:26 - Eric Davis

- File 0003-Updated-menus-from-JPL-s-feedback.patch added

- Status changed from New to 7

Here's a new patch (3 in the series) with a few updates:

- Updated Mapper#push documentation
- Renamed :parent_menu to :parent
- Renamed the external API for :child_menus to :children. Internally it needs to stay :child_menus because Tree::TreeNode already defines a children method for another purpose

The only other thing remaining is to decide on the rubytree gem dependency. I think it would be ok to include it into vendor, it's only 2,058 lines of code (1242 in setup.rb, 554 in tests, 262 in lib).

#11 - 2009-11-23 21:53 - Jean-Philippe Lang

Eric Davis wrote:

Here's a new patch (3 in the series) with a few updates:

- Updated Mapper#push documentation
- Renamed :parent_menu to :parent
- Renamed the external API for :child_menus to :children. Internally it needs to stay :child_menus because Tree::TreeNode already defines a children method for another purpose

Thanks.

The only other thing remaining is to decide on the rubytree gem dependency. I think it would be ok to include it into vendor, it's only 2,058 lines of code (1242 in setup.rb, 554 in tests, 262 in lib).

Agreed.

#12 - 2009-11-24 16:11 - Ted Lilley

Since this is in support of the SP theme, it has my vote.

#13 - 2009-11-25 06:31 - Eric Davis

- Status changed from 7 to Closed
- Target version set to 0.9.0
- % Done changed from 0 to 100

Added to trunk in r3090, r3091, and r3092. Thanks for the feedback and reviews everyone.

#14 - 2013-07-23 21:57 - Mischa The Evil

- Related to Patch #6427: Create CSS to support child and nested menus added

Files

0001-Converted-Menus-to-a-Tree-structure-to-allow-submenu.patch	34.3 KB	2009-11-19	Eric Davis
0002-Add-support-for-unattached-menus-generated-dynamical.patch	13.1 KB	2009-11-19	Eric Davis
0003-Updated-menus-from-JPL-s-feedback.patch	15 KB	2009-11-23	Eric Davis