Redmine - Defect #6348

Gantt chart PDF rendering errors

2010-09-10 05:09 - Eric Davis

Status:	Closed	**Start date:**	2010-09-10
Priority:	Normal	**Due date:**	
Assignee:		**% Done:**	0%
Category:	Gantt	**Estimated time:**	0.00 hour
Target version:	1.1.0		
Resolution:	Fixed	**Affected version:**	

Description
When rendering the new Gantt chart (#6276) with a large chart, the PDF export gets off and creates multiple almost-empty pages.
Unfortunately, it looks like the older Gantt chart wasn't exporting PDFs correctly either so this section might need to be rethought.

Related issues:		
Related to Redmine - Feature #6276: Gantt Chart rewrite	**Closed**	**2010-09-03**

Associated revisions

Revision 4472 - 2010-12-07 19:40 - Jean-Philippe Lang

Gantt: iterate over all objects only once for html and pdf rendering (#6348).

Revision 4474 - 2010-12-07 19:53 - Jean-Philippe Lang

Fixes gantt PDF pagination problem (#6348).

Revision 4475 - 2010-12-07 19:57 - Jean-Philippe Lang

Gantt: fixes position of line in pdf (#6348).

History

#1 - 2010-10-03 15:13 - Mischa The Evil

- Category changed from Issues to Gantt

#2 - 2010-11-27 00:40 - Eric Davis

- Assignee deleted (Eric Davis)

I am stepping down from working on Redmine. If someone else is interesting in working on this issue, feel free to reassign it to them.

Eric Davis

#3 - 2010-11-27 17:57 - Jean-Philippe Lang

- Status changed from 7 to New

The way the new gantt chart generates PDF (all subjects then all lines) makes it hard, if not impossible, to fix without some refactoring.

#4 - 2010-12-02 04:42 - Greg Mefford

From studying the existing code for rendering Gantt PDFs, it looks like it's a pagination issue where a possible solution would be to pre-compute what you want to render, paginate, then render each page. This is instead of just rendering as you go, which it seems is causing the overflow as soon as it's too much for a single page.

I'm going to look into it further, but don't let that stop someone else from fixing it; I can't guarantee I'll find the time to actually fix the bug.

#5 - 2010-12-03 05:08 - Greg Mefford

I've started working on a patch that seems to be doing the trick. It's not quite done, but perhaps I can finish it tomorrow.
This gantt code really feels like it could use some refactoring, but I'm having some success hacking in the pagination.

#6 - 2010-12-04 04:07 - Greg Mefford

- Status changed from New to Resolved

That Gantt code could use some more attention, but in the mean time, here is some code that generates proper PDFs with a large number of rows (like more than 50).

I've sent a pull request to edavis10 on Github, but in case he doesn't have time and someone else wants to integrate, here is a link: https://github.com/GregMefford/redmine/commit/900f8dad375a8f218a19c72b48eecde521c8026a

#7 - 2010-12-07 20:49 - Jean-Philippe Lang

- Status changed from Resolved to Closed

- Resolution set to Fixed

I fixed the problem in a similar way as your patch does, in r4474, thanks. This change takes part in some refactoring that I'm doing in order to get more reasonable response times for an average cross-project chart with a few hundreds issues.