Redmine - Feature #10774

Planning logic

2012-04-26 06:06 - Adrian May

Status:: New Start date: Priority: Normal Due date: Assignee:: % Done: 0% Category: Issues planning Estimated time: 0.00 hour Farget version: Besolution: 0 0 Description Itemated time: 0.00 hour Hesolution: 0 0 0 Description Itemated durations for tasks at an early stage in my planning, then create the dependencies and see the tasks get lined up in serial or parallel on the gannt chart. Right now, the estimated duration doesn't seem to get usef for anything. This would call for new parameter to specify how many working hours there are in a day, which might eventually develop into a per-resource holiday uchedule etc. A' likely end date' could be calculated for each task, equal to the likely start date plus the estimated duration. The likely start date of this task, and any assigned start date of its use, any assigned start date of this task, and any assigned start date of its upertask/project. Va we know from bitter experience, due dates exist only in the fantasies of PMs, so the above should be the main scheduling model. You could then use the due date to pain things pretty colours. For instance, if the likely end date is later than any assigned due date, hen the by between the two (i.e. the later part of the bar on the gannt chart) could be painted red. In the opposite case, there could use a laint green haze in the region from the likely end date, then the same colouring principle applies to the bar. <th colspan="5">2012-04-26 06:06 - Adrian May</th>	2012-04-26 06:06 - Adrian May				
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t1 - 2012-04-26 09:55 - kashif mahmood	History				
Status changed from New to Resolved					
t2 - 2012-04-26 10:12 - Etienne Massip					
Status changed from Resolved to New					

#3 - 2012-04-27 07:52 - Adrian May

Hi again,

I'm not sure I explained that algorithm clearly. Those likely dates are supposed to be calculated on the fly whenever the gannt chart is drawn. They might be cached in RAM but they should all be wiped out whenever anything changes. The DB can still have start and end dates but they mean something different and most of them will be undefined. Typically, there'd be a start date defined for the whole project and that's it. If anything else had a start date that would mean you were waiting for a piece of hardware to show up or something like that. The estimated durations are the important thing in the DB, and due dates are only used for colouring.

I'd do it myself but I have absolutely no experience of Rails. I'd start by removing any of that (non-RESTful?) code like the bit that obliterates the start

date of the supertask when I create a subtask (without even making the subtask start date default to that of the supertask.) Then I'd make some kind of recursive likely-start-date function or query, but that's where I lose the plot cos I'm not even a database programmer. If performance became an issue, I'd write something to cache the likely start dates, but make sure it gets dirtied at the first hint of change.

Adrian.