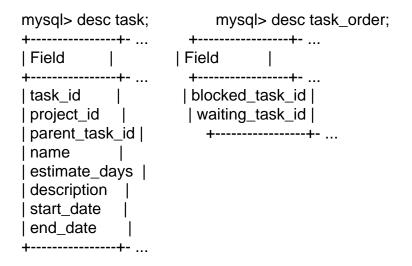
Subject: Multiple parent/child relations between 2 tables Posted by ikatz on Fri, 23 May 2008 20:45:19 GMT

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I am working on a project tracking application, which keeps track of both the hierarchy of tasks (tree) and dependencies between tasks (graph).



The task hierarchy is taken care of through the task.parent_task_id field, and is working fine. Relating the task table to itself using an alias was no problem.

The dependencies are represented using task_order, where task_order.waiting_task_id represents the item that task order.blocked task id is waiting on. These fields together are the primary key and they both refer to task_id. I feel like this is a reasonable way to represent the graph edges.

I added 2 relations on task in the dictionary: task (aliased as task_blocked) --> task_order (aliased as task_order_blocked) task (aliased as task_waiting) --> task_order (aliased as task_order_waiting) I am not confident that I did this correctly, so please set me straight here if need be.

The problems emerged when I tried to set up a list2 transaction using task as the outer table and task order as the inner table. When I tried to add a new record (add2), it complained that I had not selected a parent. I then tried using task order waiting and task order blocked for the inner table, which didn't help.

So, I tried instead to set up a list1 transaction for task_order. This time I was able to get to the add1 screen, which displayed a textbox for both blocked_task_id and waiting_task_id. I modified the task_order.dict.inc file to use task(popup1) for both fields, but this didn't work the way I had hoped. Both popups return a value to the blocked task id field, so I am unable to complete the add operation.

I suspect that I am making some combination of simple mistakes, but I didn't find a good example

of this type of design pattern in the documentation -- specifically, what the dict file should look like. If you have a page (or previous forum post) on this, please point me to it. Otherwise, do you see where I am going wrong here? My goal is to set up task_order as a list2 transaction that I can get to from a list1 or list2 of task records.