

Schedule: Peanuts V

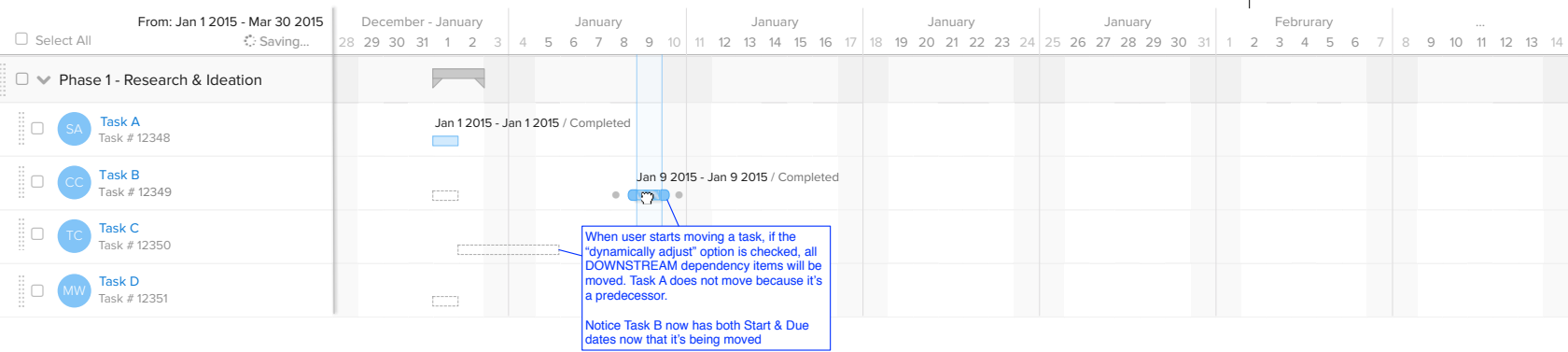
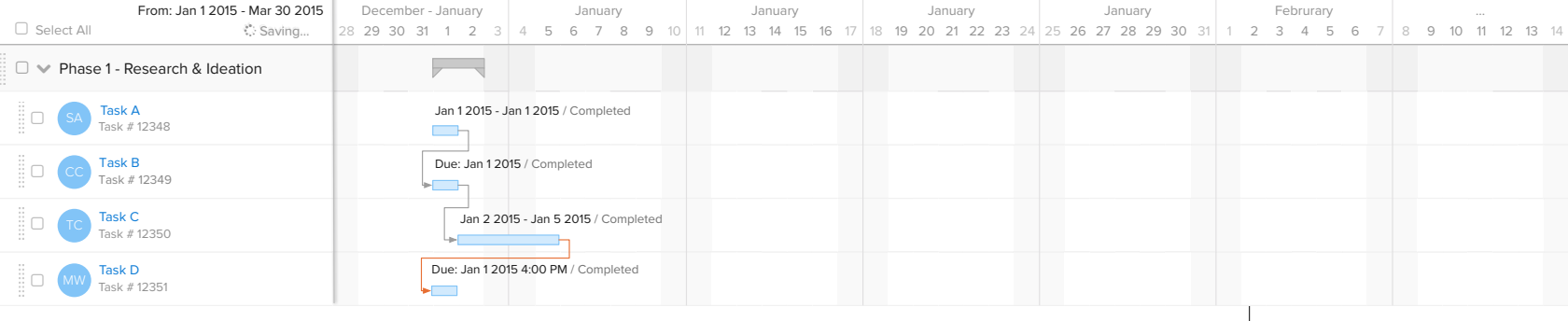
Basic Info Schedule

Dynamically adjust Dependent Tasks when moving Predecessor

Grid View Gantt View

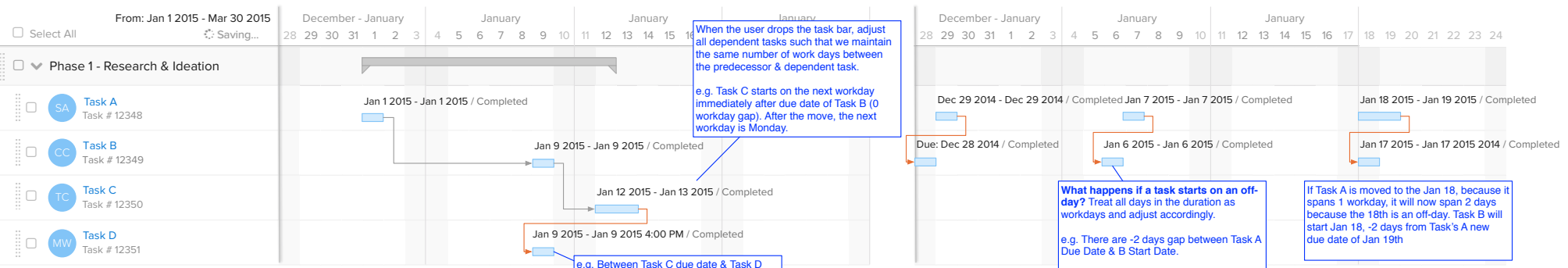
FP-2194 Option to dynamically adjust Dependent Tasks

Add option to the top. Would be nice to store whether option is checked/un-checked for the user in session data (like the weekly/monthly view). Default this to checked.



When user starts moving a task, if the "dynamically adjust" option is checked, all DOWNSTREAM dependency items will be moved. Task A does not move because it's a predecessor.

Notice Task B now has both Start & Due dates now that it's being moved



When the user drops the task bar, adjust all dependent tasks such that we maintain the same number of work days between the predecessor & dependent task.

e.g. Task C starts on the next workday immediately after due date of Task B (0 workday gap). After the move, the next workday is Monday.

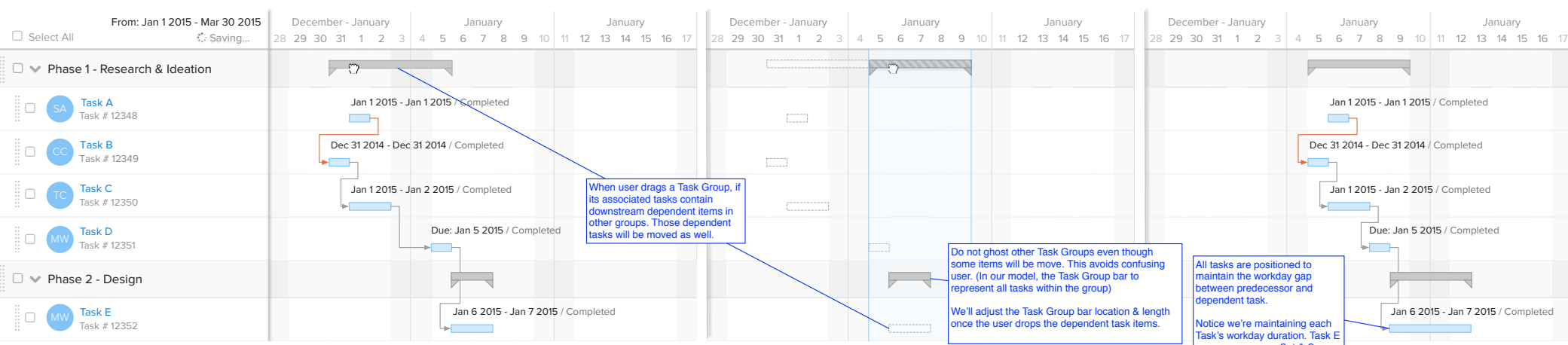
e.g. Between Task C due date & Task D there are -3 workdays gap. We maintain this invalid dependency relationship.

Notice Task D now has both Start & Due date now that it's been moved. And that we're keeping the time associated: 4:00 PM on the due date.

What happens if a task starts on an off-day? Treat all days in the duration as workdays and adjust accordingly.

e.g. There are -2 days gap between Task A Due Date & B Start Date.

If Task A is moved to the Jan 18, because it spans 1 workday, it will now span 2 days because the 18th is an off-day. Task B will start Jan 18, -2 days from Task A's new due date of Jan 19th



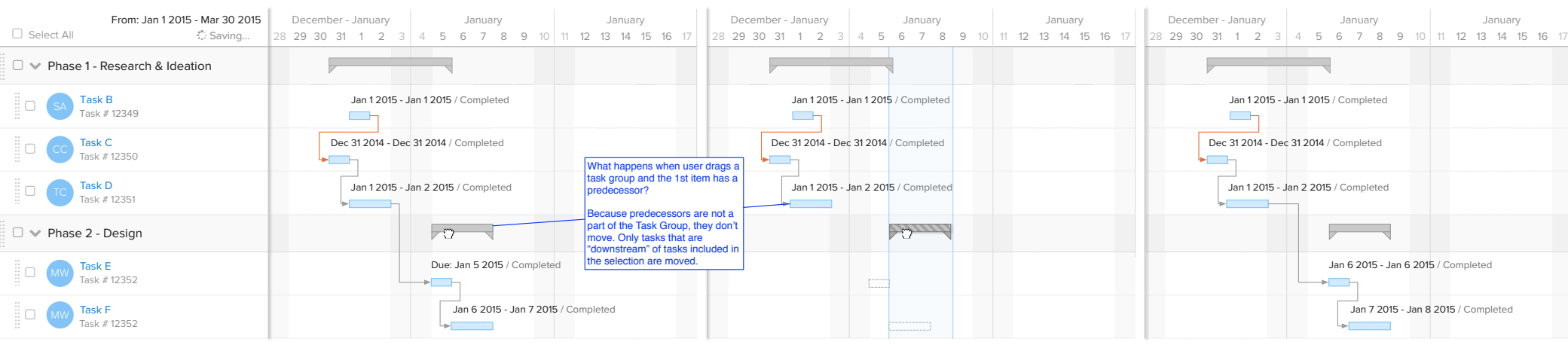
When user drags a Task Group, if its associated tasks contain downstream dependent items in other groups. Those dependent tasks will be moved as well.

Do not ghost other Task Groups even though some items will be move. This avoids confusing user. (In our model, the Task Group bar to represent all tasks within the group)

We'll adjust the Task Group bar location & length once the user drops the dependent task items.

All tasks are positioned to maintain the workday gap between predecessor and dependent task.

Notice we're maintaining each Task's workday duration. Task E now spans across Sat & Sun.



What happens when user drags a task group and the 1st item has a predecessor?

Because predecessors are not a part of the Task Group, they don't move. Only tasks that are "downstream" of tasks included in the selection are moved.