**Chronos: A Tool for Interactive Scheduling and Visualisation of Task Hierarchies.**

Menu options:

- File
    - New Project
      Sets the options for the project. Name, start- and end date, detail level.

    - Open Project
      Opens an existing project.

    - Edit Project
      Edit the open project, gives error when no project is opened.

    - Save Project
      Saves the project, if there's already an existing .xml file it'll overwrite that one, else the option to create one will be shown.

    - Save As…
      Saves the project by giving the user the option to create a new output file

    - Quit
      Exits the program.

- Tasks
    - New Task
      Add a new task to the chart. Set its color, subtasks, start and end date.

- Charts
    - Gantt Chart
      Shows the Gantt chart

    - Mosaic Chart
      Shows the Mosaic Chart

    - Combi Chart
      Shows the Combi Chart

Charts

- Menu options
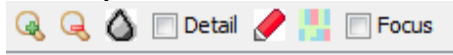
  - o Zoom In
    Enlarges the chart

  - o Zoom Out
    Makes the chart smaller

  - o Blur Our
    Opens the Blur menu. Here you can choice how you want to blur the chart:
    - Show everything – shows the normal state

    - Blur out other (sub)tasks – blurs out all other (sub)tasks except the clicked (sub)task

    - Blur out using keywords – blurs out all the other subtasks, except the ones that have the keyword as attribute.

  - o Detail
    Folds/Unfolds the subtasks. This will only be possible if the chart was made with detail enabled.

  - o Edit
    Edit will open up the Task Editor. Here you can add/remove subtasks and change the color of the task.

  - o Show overview
    Shows a miniature version of the chart. Clicking on this mini-chart will set the main chart to the clicked date.

  - o Focus
  - o Opens up the Focus menu. Sets the zoom factor and zoom size (number of days). When scrolling over the chart, the zoom size will be zoomed out, while the rest stays normal.

- Mouse options

Edit
Delete
Show all
Move
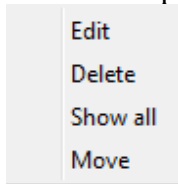
- o Edit
  Opens the Task Editor or the Subtask Editor, depending on what (sub)task you are clicking. The Task Editor will enable you to add/remove subtasks and to change the task color.
  The Subtask Editor will enable you to change the start- and end date, to add attributes (used for blurring) and to change the subtask color.

- o Delete
  Deletes the clicked (sub)task

- o Show All
  Only visible when Blur is in effect. This will return the state of the chart to normal.

- o Move
  Enables the clicked (sub)task to be moved according to mouse dragging.

There is also the possibility to drag the start and end of the (sub)task. This will result in changing said dates. A (sub)task must be clicked and then you can drag its borders.

Clicked (sub)tasks will have yellow stripes at the end.

- Keyboard options

  o Alt-key
    When the user holds down the alt-key, it will become possible to drag the clicked (sub)task. The user can move the (sub)task across the screen horizontally and thus change the start- and end date.

  o Up and down keys
    Using the up and down arrow keys, the user will be able to move the clicked (sub)task vertically.
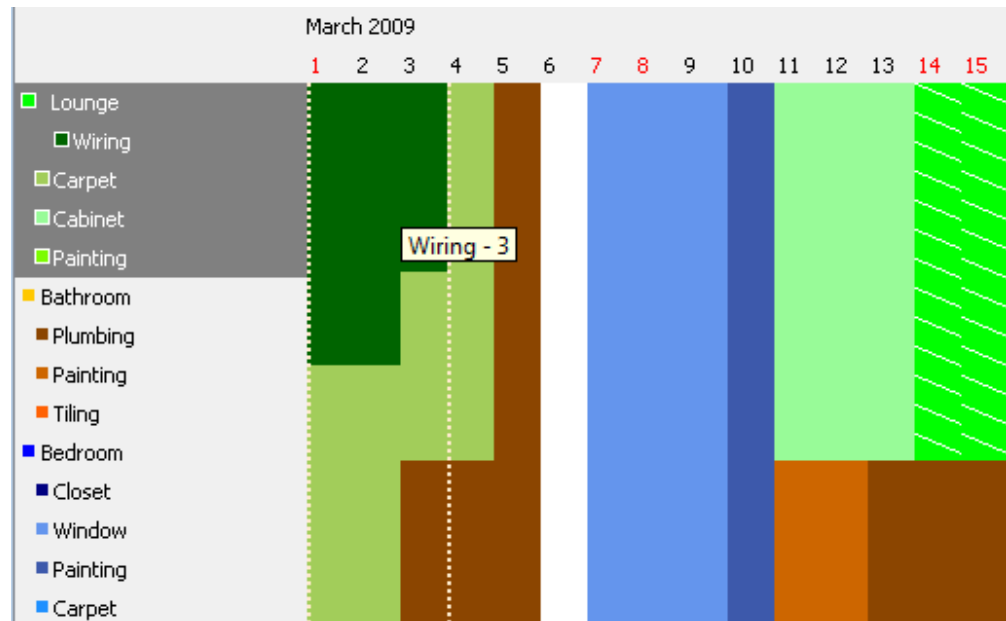
  o Shift-key
    When holding the shift-key in the Mosaic Chart, a user will see the Gantt Chart as overlay on the Mosaic Chart.

- Screen dumps
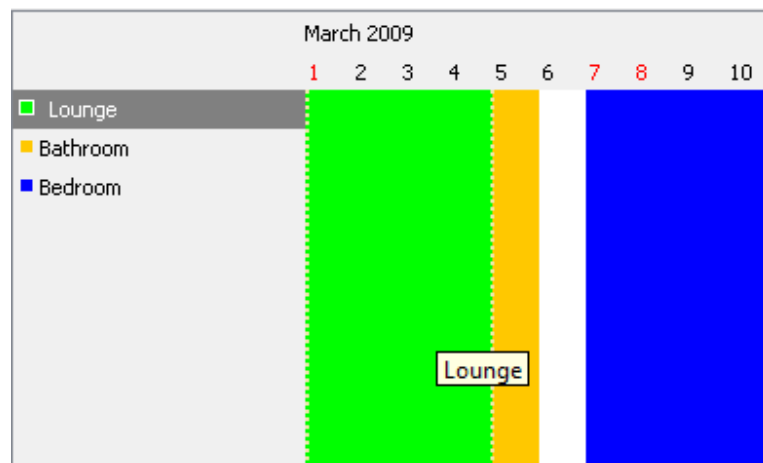
  o Mosaic Chart

Mosaic in non-detail mode, Lounge is the clicked task.
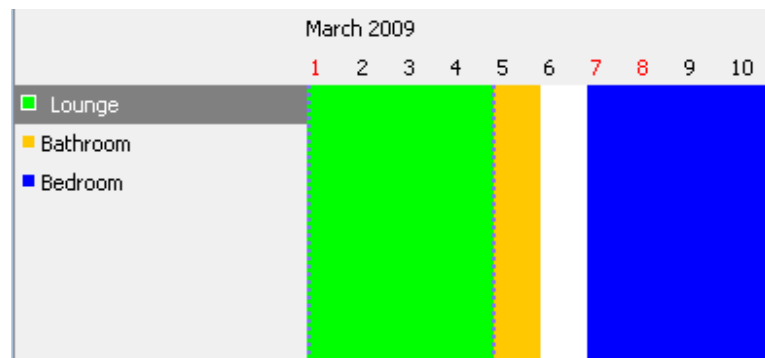
Mosaic in non-detail mode. Lounge is clicked and alt-key is pressed, making the task movable.

Mosaic Chart in detail mode. Wiring is the clicked subtask. The white striped part shows an empty task instance (a task without a set subtask).
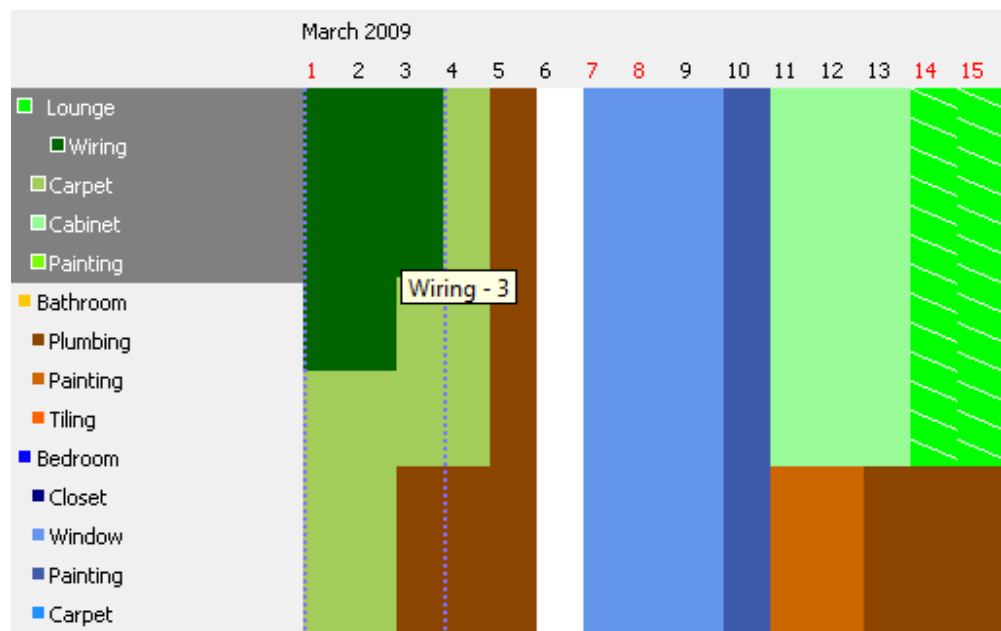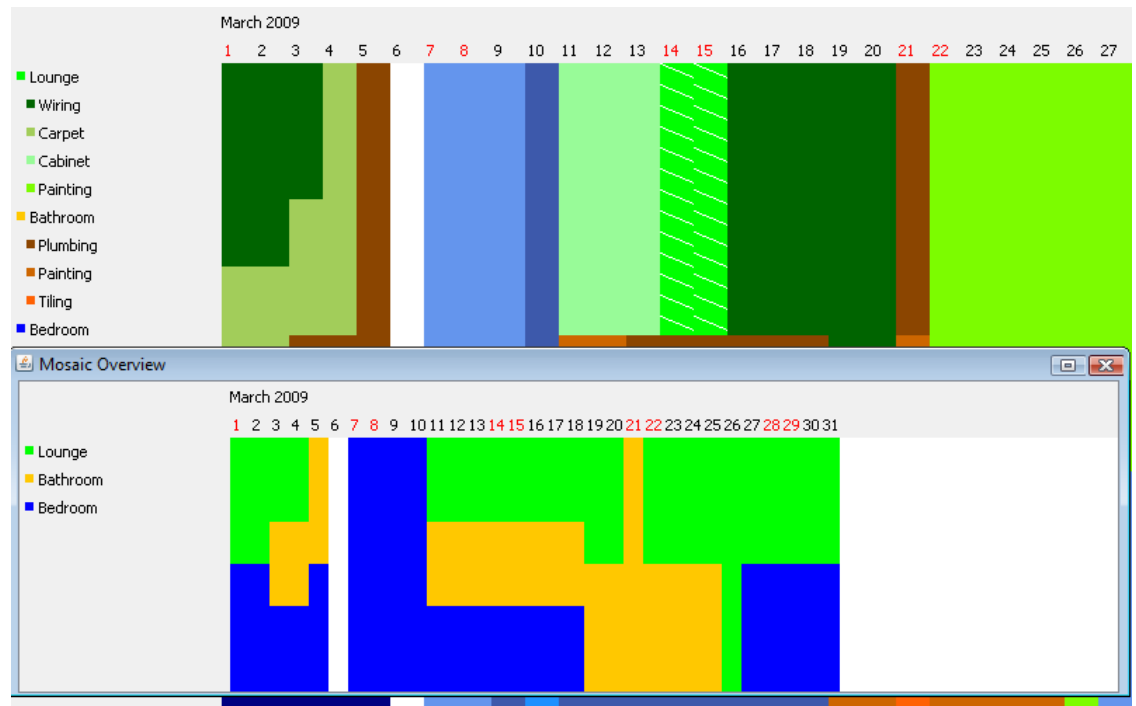

Mosaic Chart in detail mode. Alt-key is pressed, and Wiring is now movable.
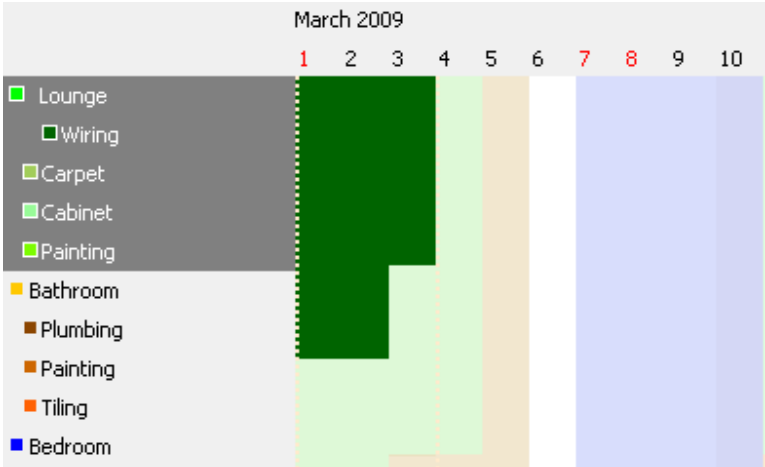
Using blur options, we have blurred out all other subtasks, except for Wiring.
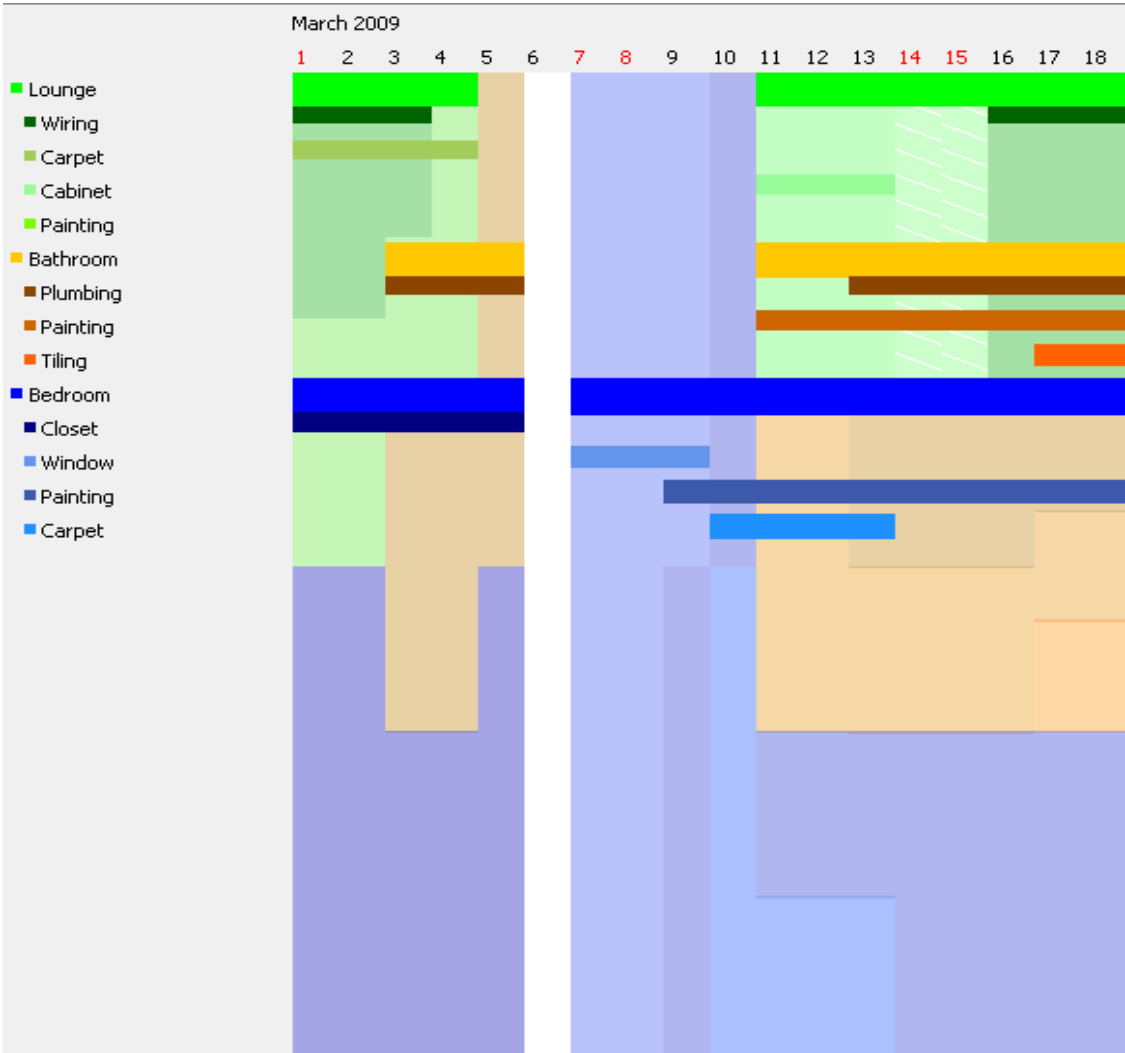
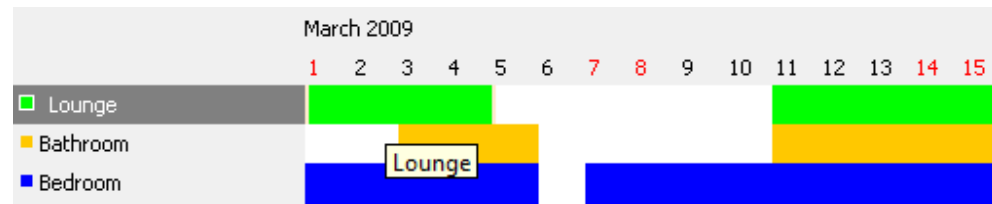Using shift-key, we get a Gantt Chart overlay on top of the Mosaic Chart.

The overview of the Mosaic Chart. No detail is showed in the overview.
Clicking on a date in the overview will set the mouse point on the same date
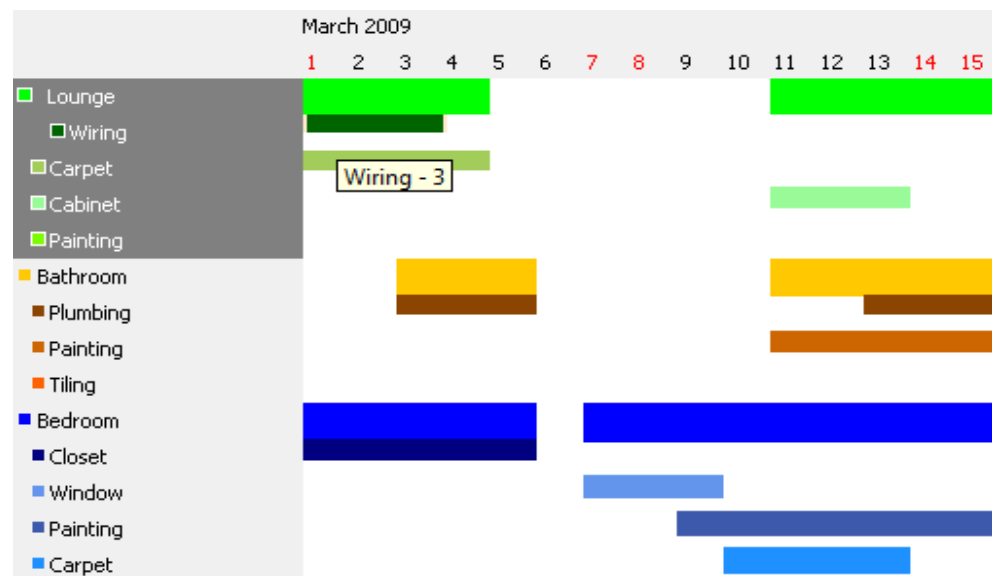in the main chart.
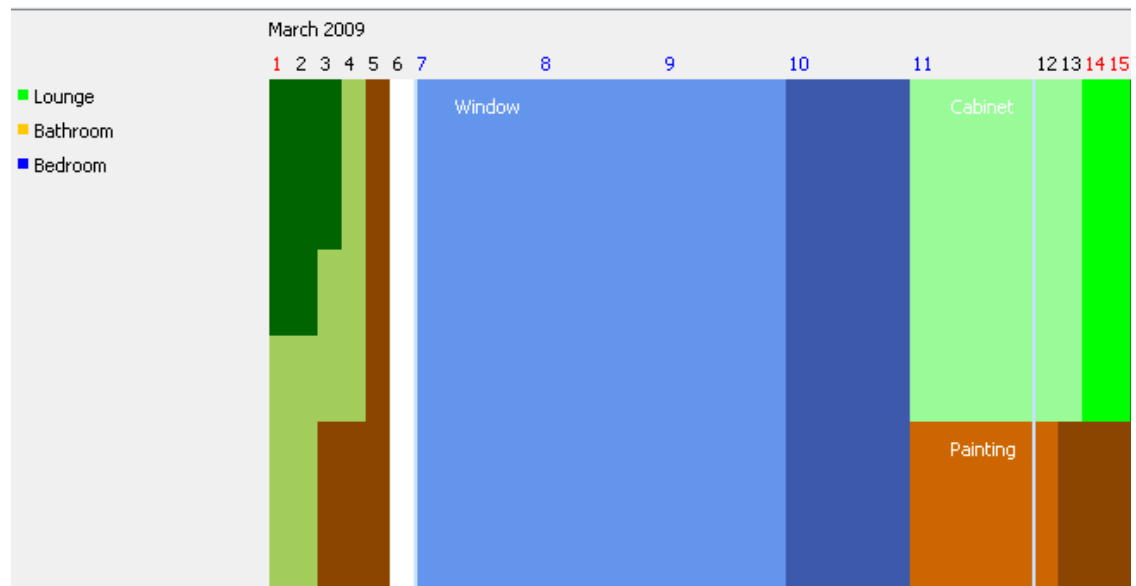
The Mosaic Chart in focus. The focus area gets expanded, while the rest gets
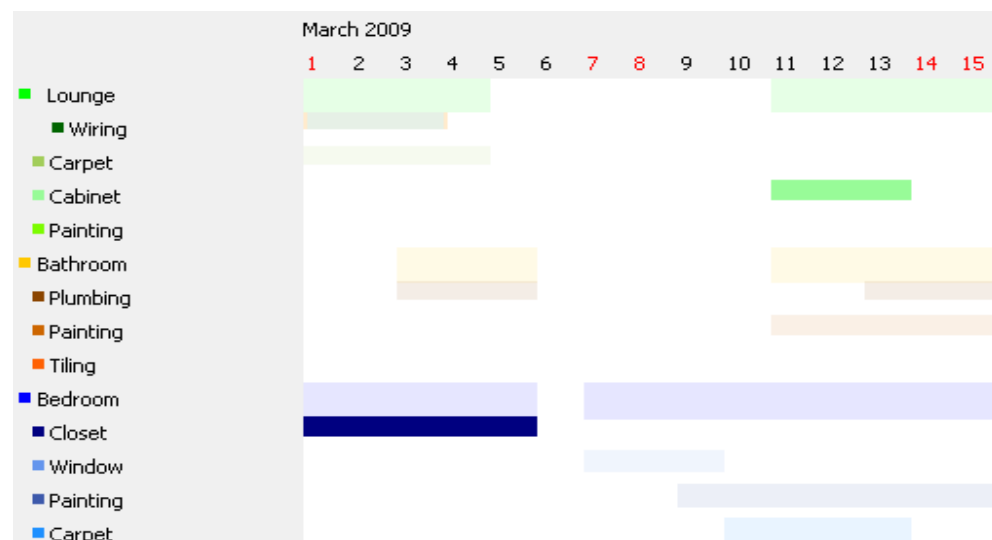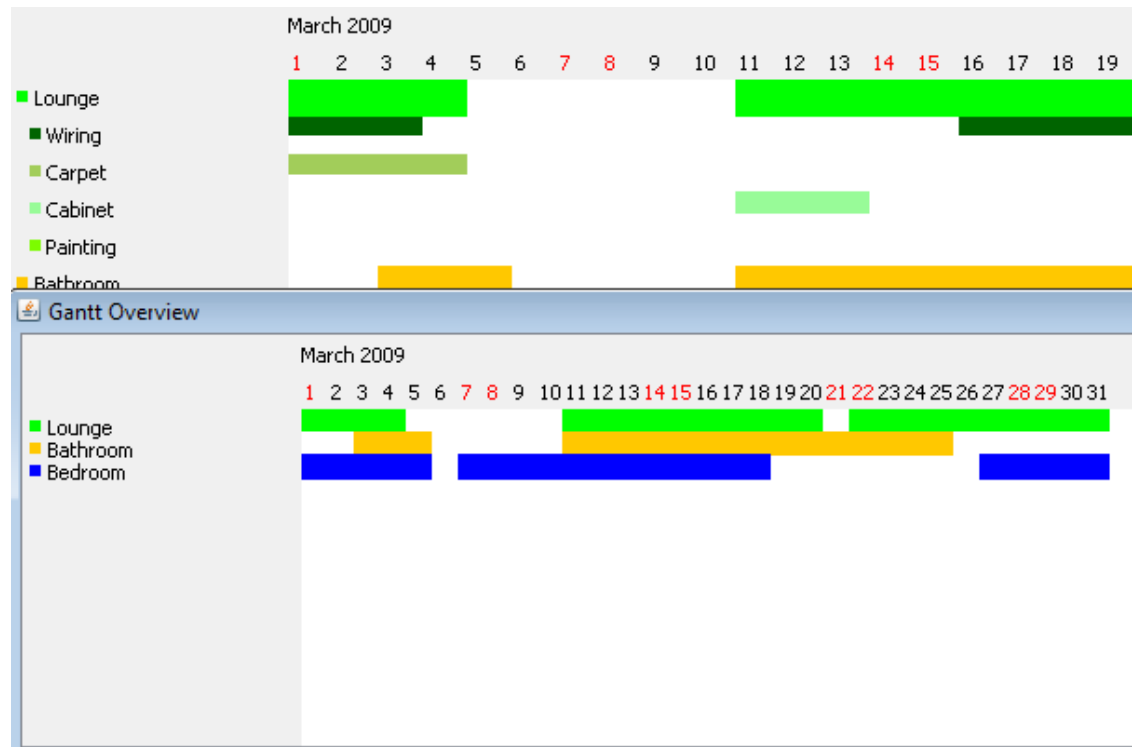cropped.

- Gantt Chart

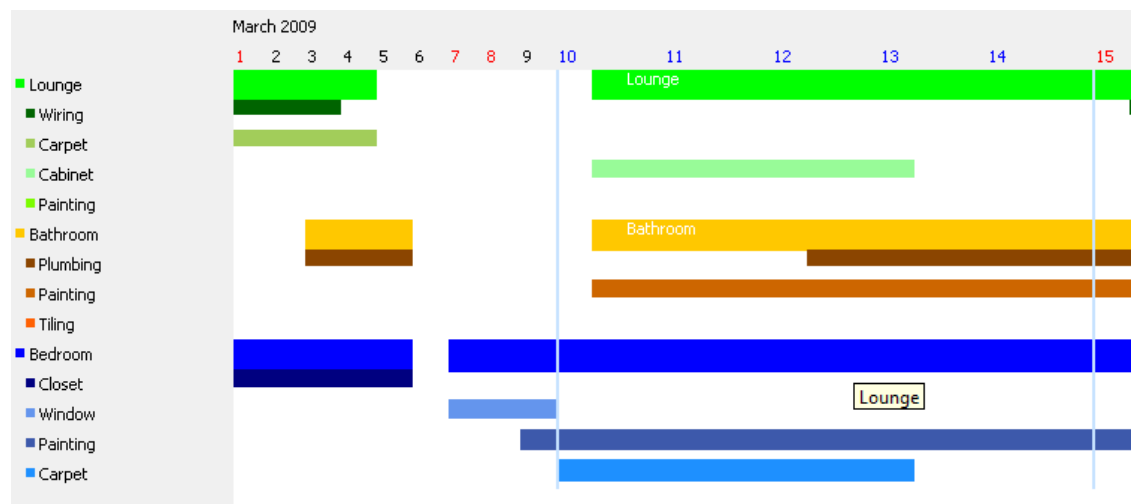Gantt Chart in non-detail mode. Lounge is the clicked task.

Gantt Chart in detail mode. Wiring is the clicked subtask.

Using keyword 'wood' in the blur menu, we have blurred out all subtasks, except for Closet and Cabinet.
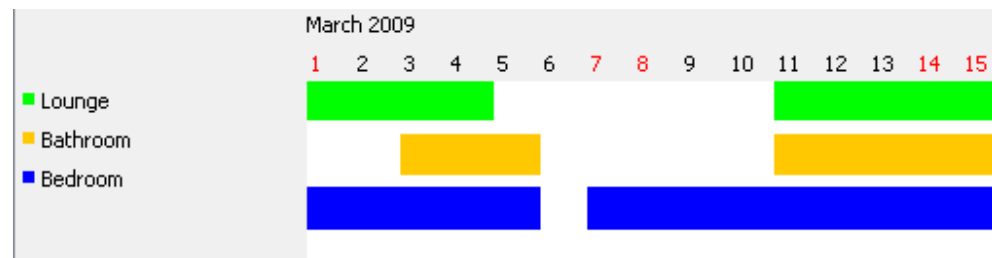
The Gantt Chart's overview. The overview has no detail. Clicking the overview will result the date to be set in the main chart.
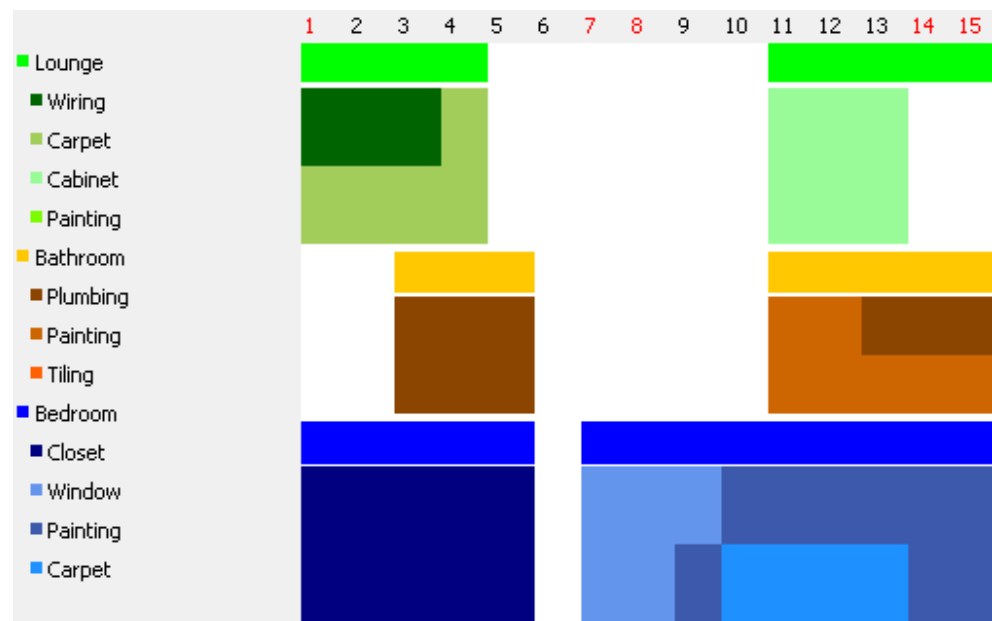

The Gantt Chart in focus mode. The focus area gets expanded while the rest of the Chart stays normal.
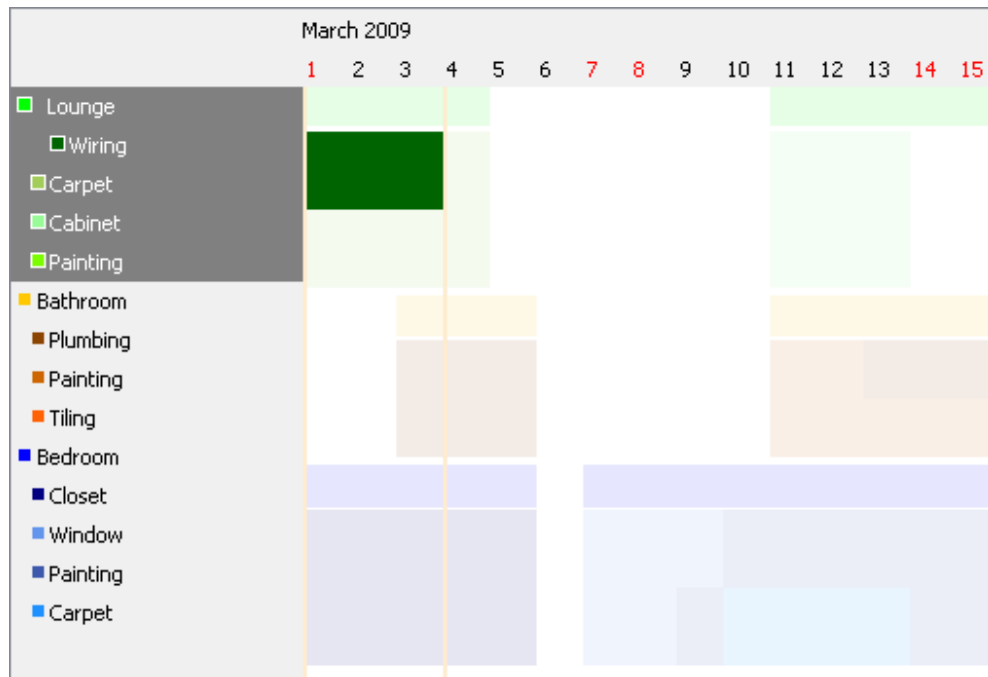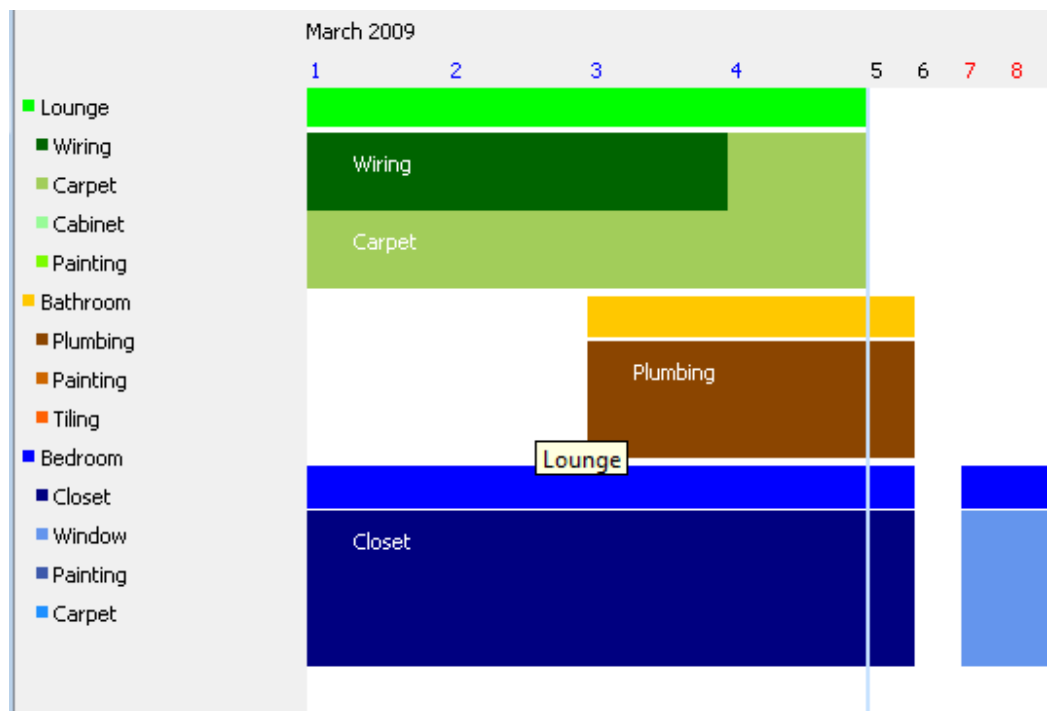
o   Combi Chart

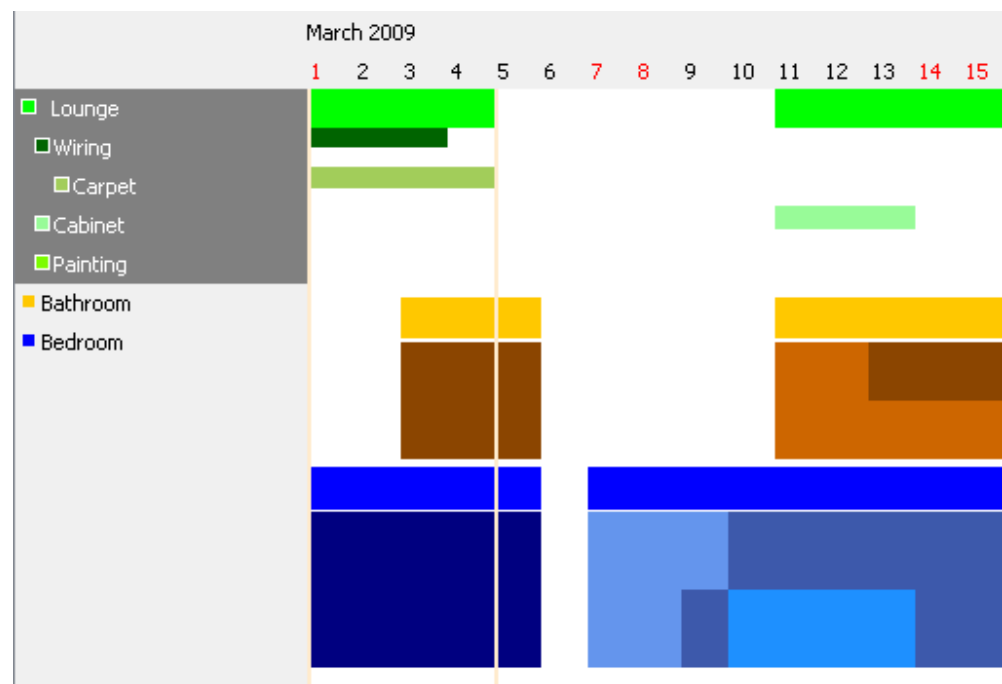Combi Chart in non-detail mode.

The Combi Chart in detail mode. It combines the Gantt Chart (for tasks) and
the Mosaic Chart (for the subtasks).

Wiring is the clicked subtask that is used to blur out the rest of the Chart.

Combi Chart in focus mode. The focus area gets expanded, while the rest stays normal.

Lounge is the clicked task. Gantt is toggled in the mouse menu. The Chart will replace the Mosaic visualization with the Gantt visualization for the clicked task.