

High-scalability UI

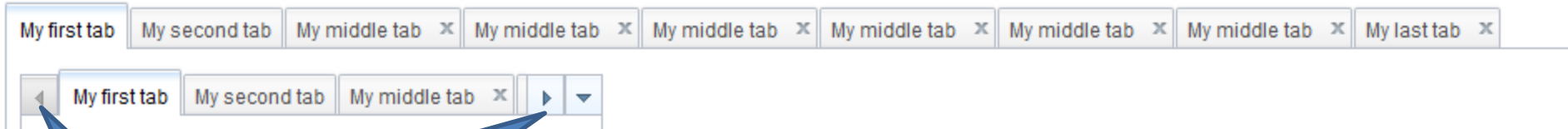
mockup for UI components

Accent on large data set and complex hierarchy

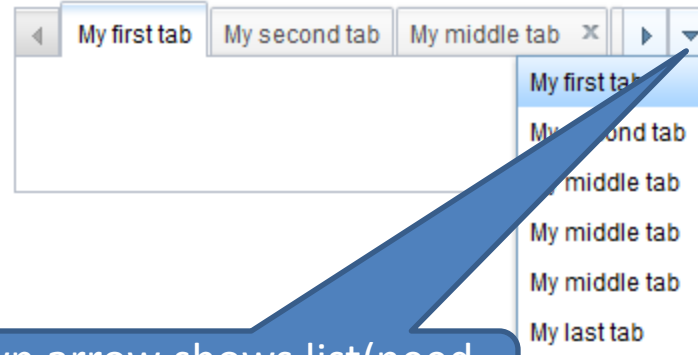
Sasha Firsov, 2011

TAB extender/scroller

Regular tabs:

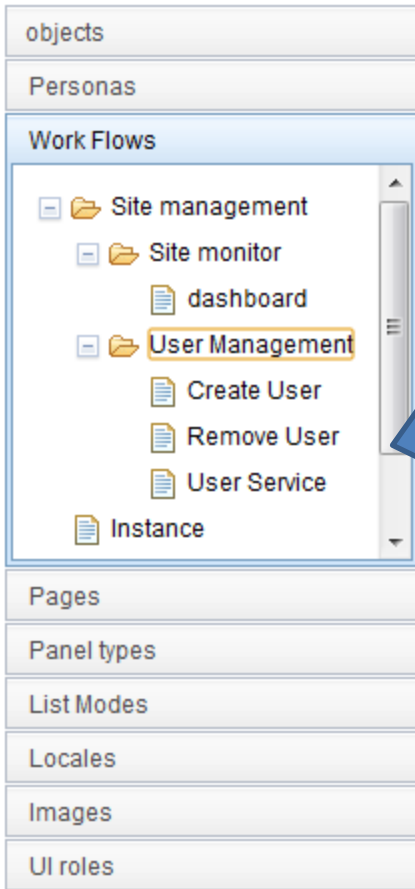


Scroll triggers animated shift



Down arrow shows list (need to be limited and scrolled)

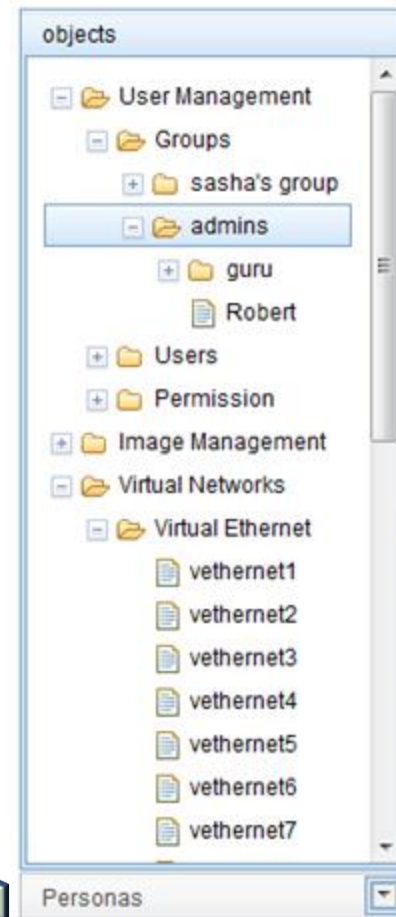
Accordion extender/scroller



If inner content does not fit, bottom tabs moved into dropdown list attached to bottom tab.

If space is not enough, same with top tabs. Accordion will adjust dynamically responding to current tab content.

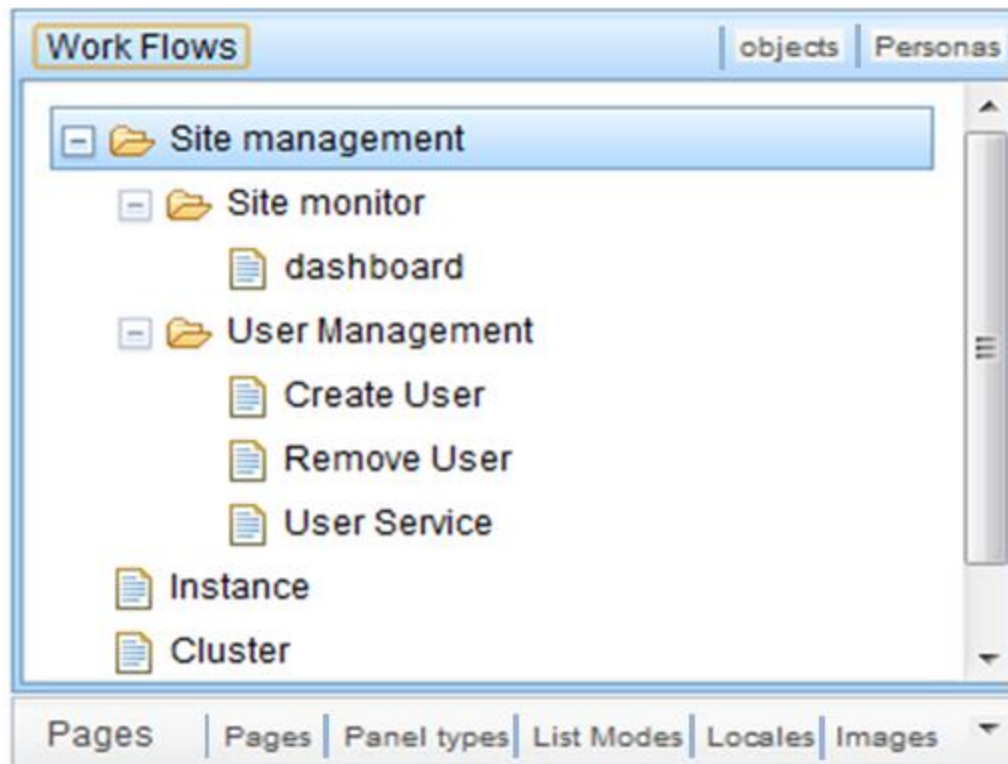
Tabs are collapsed when space needed



Breadcrumb on accordion

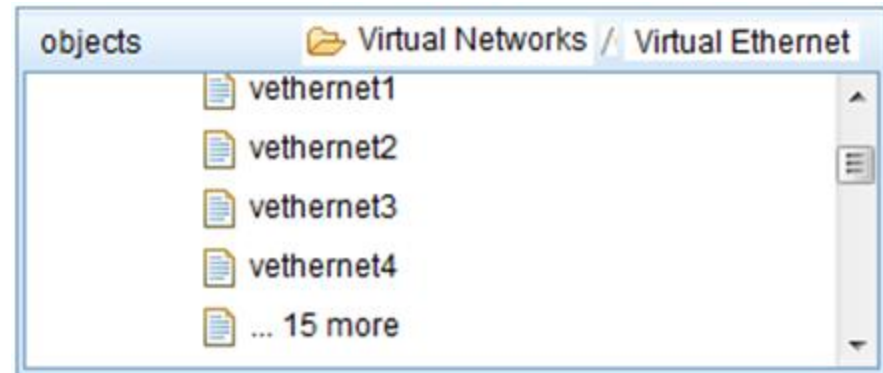
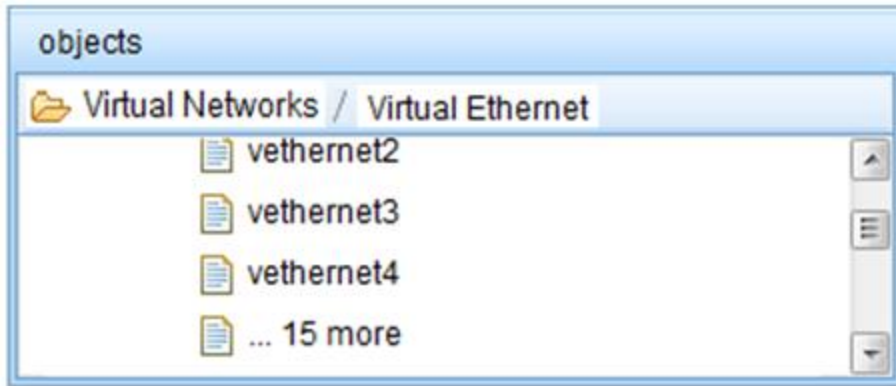
Space on tab header to reflect position in list.

(looks like blend of tab with accordion – confusing ?)

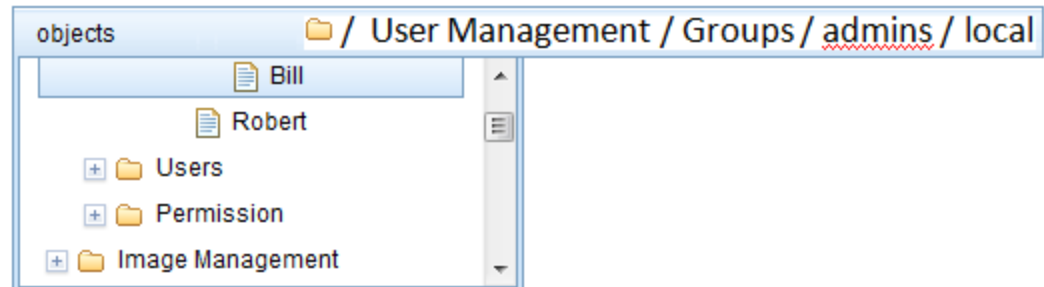
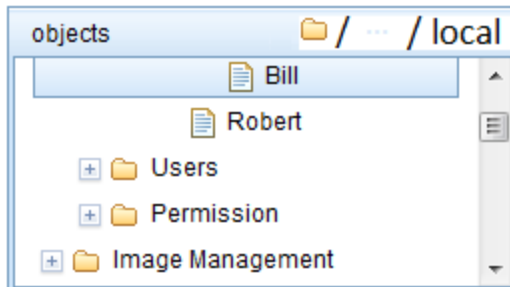


Breadcrumbs on/for tree

- complex hierarchy navigation

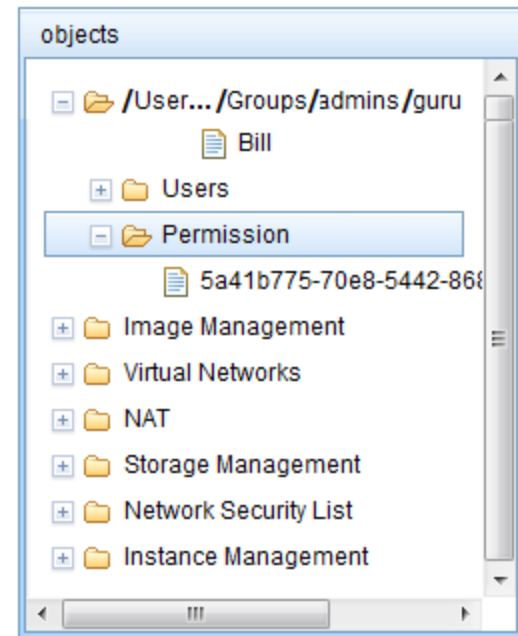
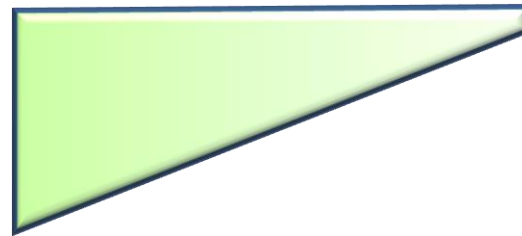
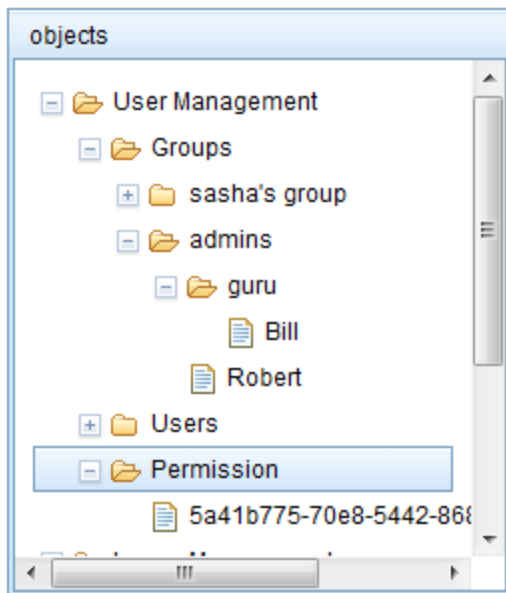


- Extending breadcrumbs on hover or focus



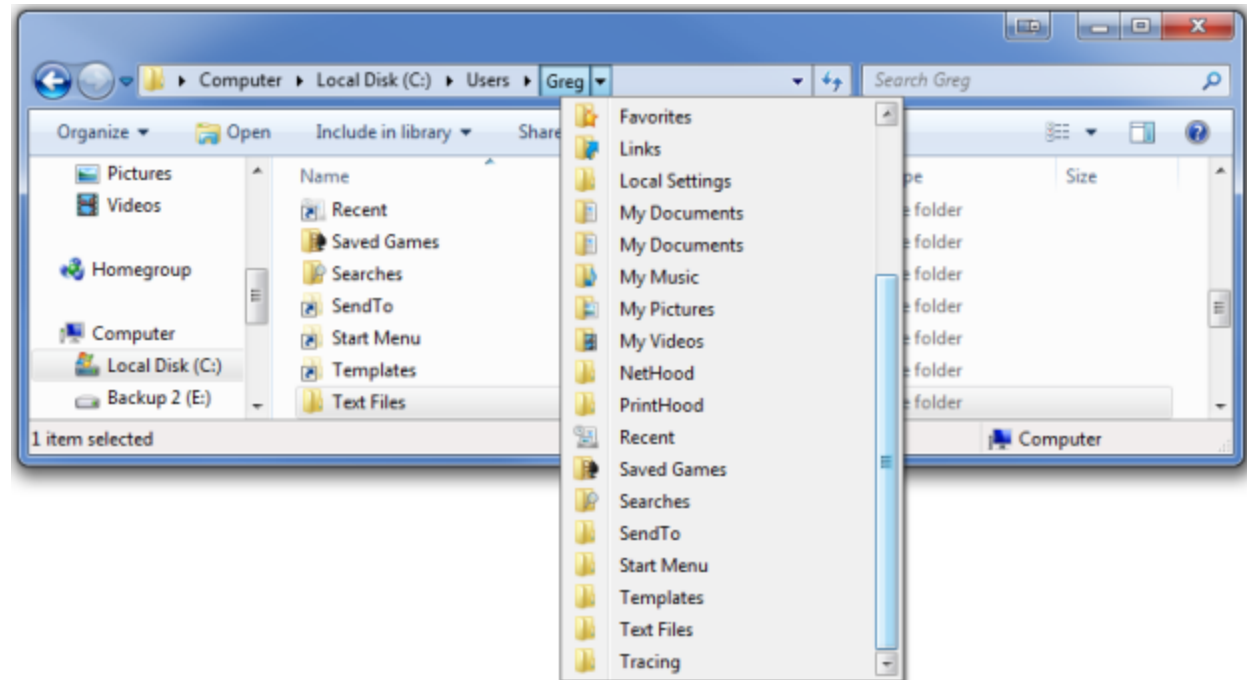
Tree branch breadcrumbs

- for 2 level and up hierarchy



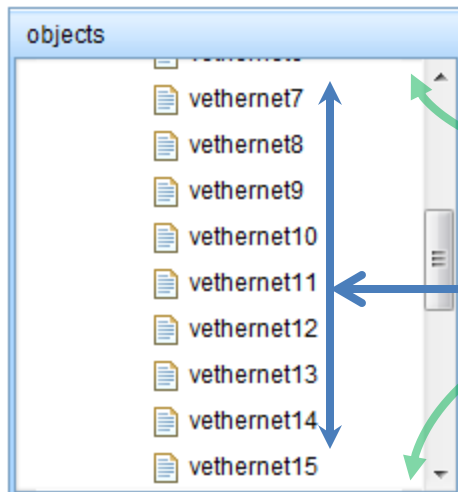
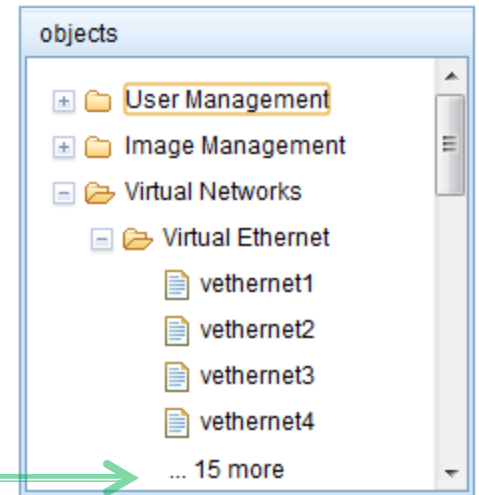
Link focus for sub-tree UI

- Treat container link as sub-branches navigation serves simplified navigation in complex hierarchy



Tree branch column

- Crop bottom part of the list and replace last item with **counter**



- Once counter clicked, list will become **virtual** retrieving and keeping only visible data

Fisheye UI + drumroll

- (auto) scrolling of content beyond of viewport
autoscroll sample: shrink window width and move mouse over images
<http://images.fromanywhere.com/demo/photos/>

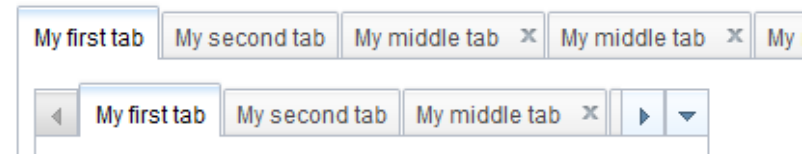


Hover 25% of viewport width and position 25 of 100 will be shown under cursor

Merging with FishEye will allow better navigation precision.

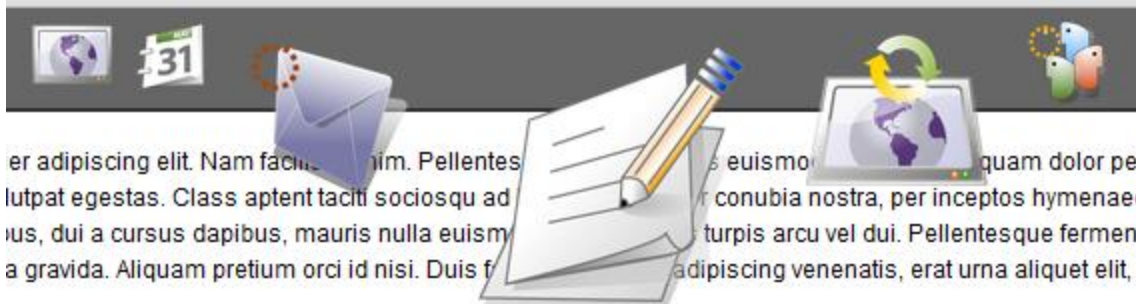
Alternate sub-tab UI

Sub-tab functionality with alternative look and fill to prevent sub-tab cluttering



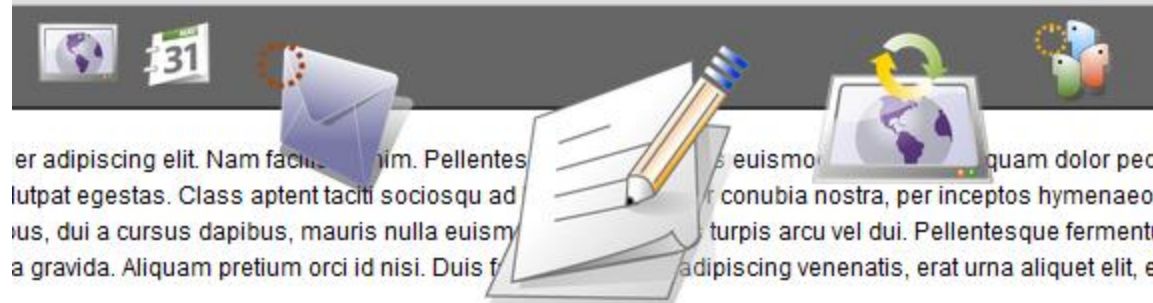
[vertical](#)

<http://demos.dojotoolkit.org/demos/fisheye/>

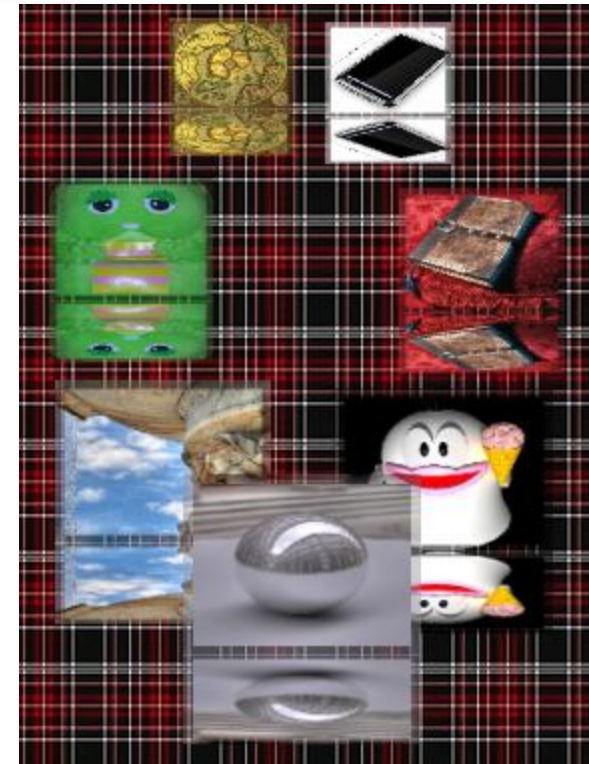


Zoom-out minor UI

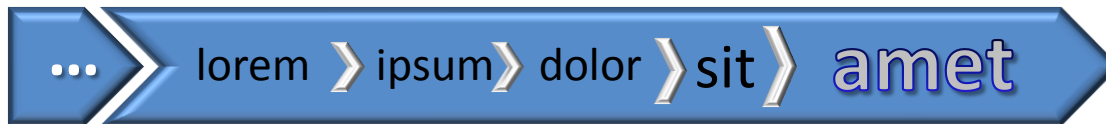
- [FishEye](#)



- [Carousel](#)



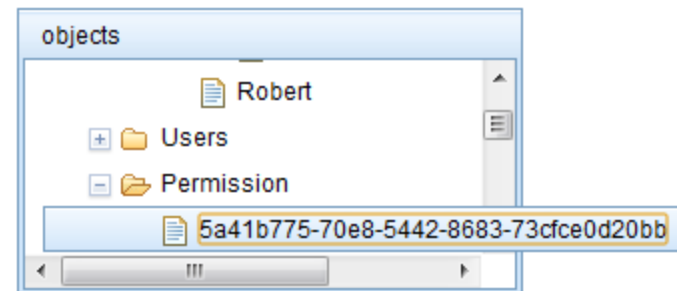
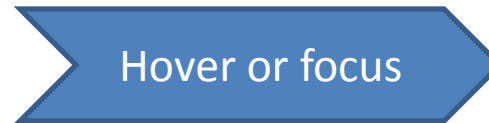
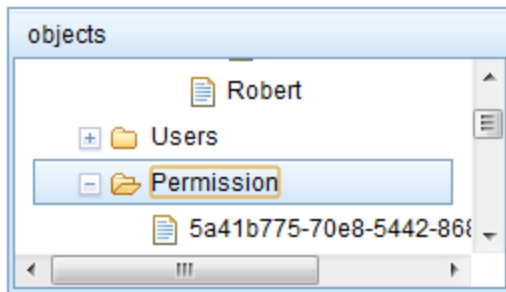
- Breadcrumbs



Smaller icons and fonts save space and attract eyes to current selection

Extend cropped UI

- Hover or focus extends cropped content floating it over UI



Grouping in other UI

- Grid

#	Title	Duration	% Complete	Start	Finish	Effort Driven
+ Duration: 0 (1866 items)						
- Duration: 1 (3614 items)						
7	Task 7	1	<div style="width: 100%; height: 10px; background-color: green;"></div>	01/01/2009	01/05/2009	
33	Task 33	1	<div style="width: 10%; height: 10px; background-color: red;"></div>	01/01/2009	01/05/2009	

- Collapsible Fieldsset

- Common properties

Name:

Apply Reset

+ Common properties

Other

- Tree branches to fit content into view
Kind of simulation of accordion using tree root level branches auto-collapsing.
- Floating root - collapsing higher hierarchy