

User Interface Guidelines 2007 Draft

A Framework for
QuadraMed Applications

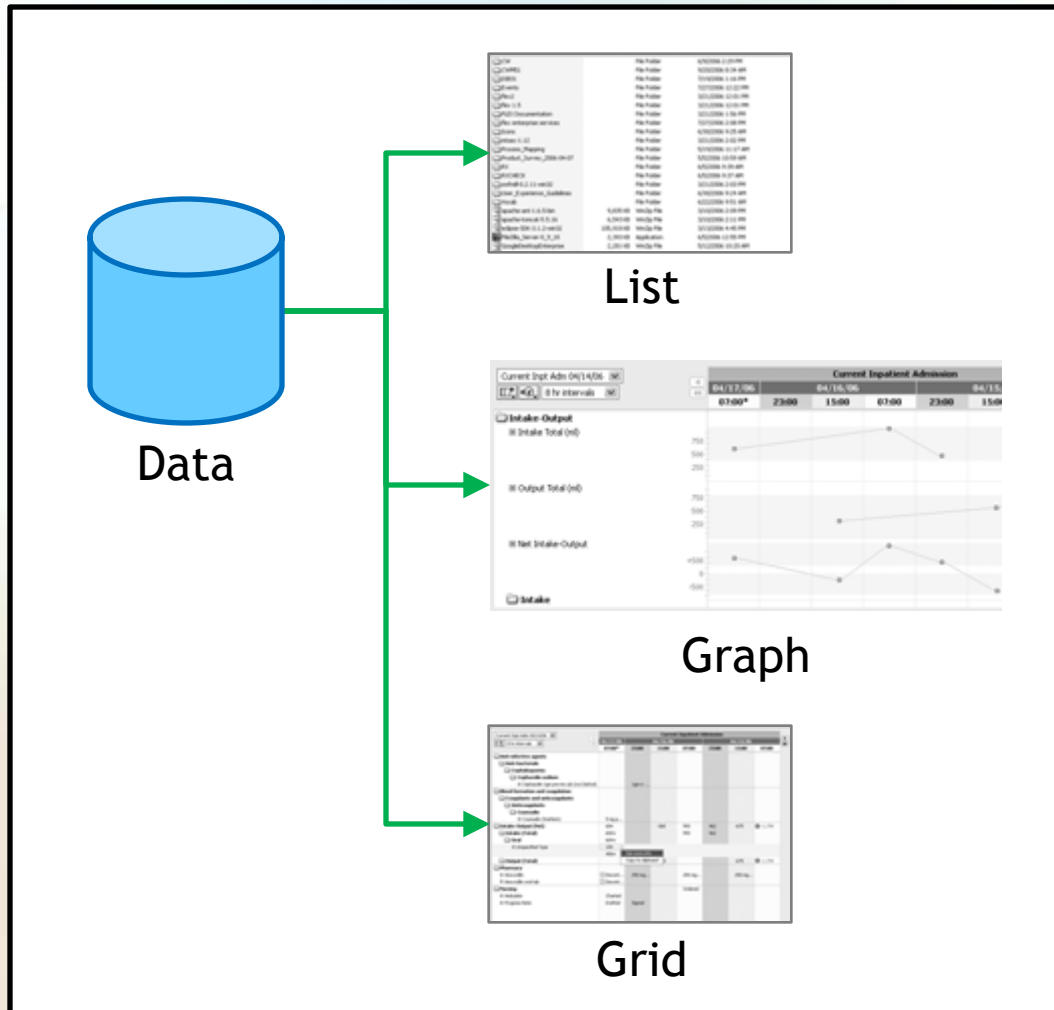
Content

- Definitions
- Design Principles
- The Application Framework

Definitions

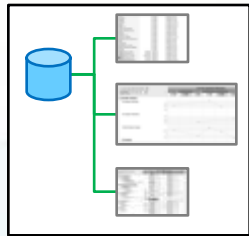
- View
- Category
- Content Frame
- Application Framework

A View Is...

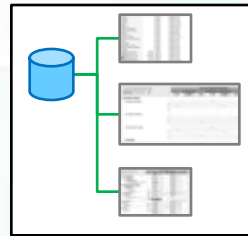


Category Examples

Insurance Information

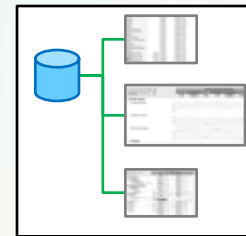


Insurance Carriers

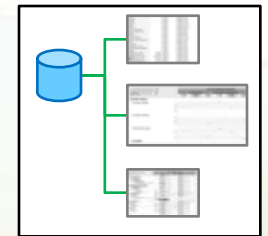


Guarantors

Clinical Data

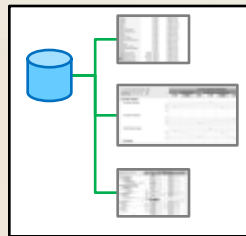


Documents

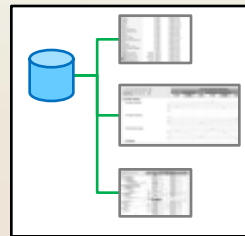


Vital Signs

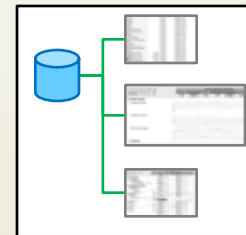
Patient Lists



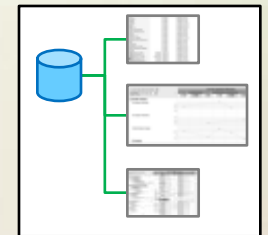
My Rounds List



Patients on 3E



Chemistry



Medications

Content Frame

View Title

View

View Actions

Category

The screenshot shows a software interface with a light blue header and a white content area. The header contains the text "This is the Location of the Title" followed by a dropdown arrow. Below the header is a toolbar with several icons: a document icon, the word "Text", another document icon, "Text", a dropdown arrow, "Text", another document icon, "Text", a dropdown arrow, a yellow button labeled "Text", and another document icon, "Text". On the right side of the header, the word "Category" is displayed. The main content area is enclosed in a black border and contains a blue cylinder icon representing a database. Three green arrows originate from the cylinder icon and point to three different data visualizations: a table of data, a line chart, and another table. At the bottom of the content area, there is a "Selected Menu Item" label next to a three-dot menu icon.

Current Menu Item

Edit Layout Button

What is the Application Framework?

The supporting information
architecture that helps users
find the **content frames!**

The Application Framework in a Browser Window

QuadraMed

Application Framework



Browser

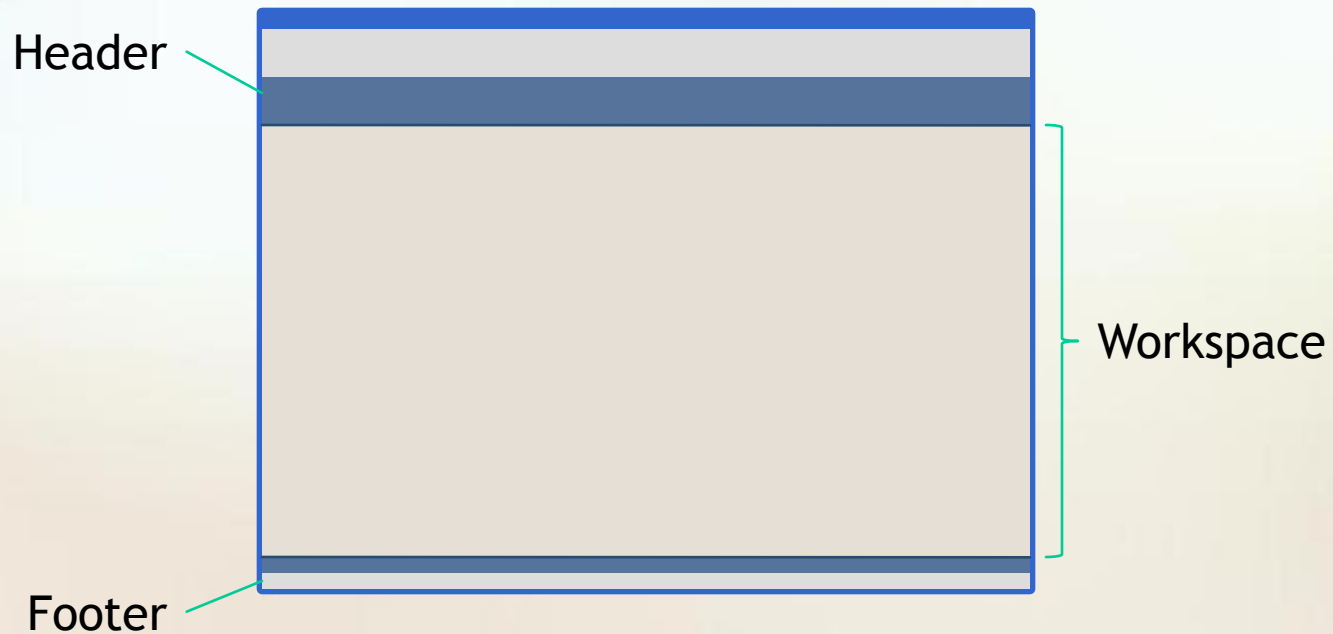
Title Bar,
Menu, and
Toolbar

Status Bar

Design Principles

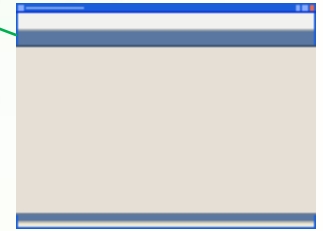
- **KISS: Keep It Simple**
 - If you don't need it don't use it
 - Use simple web behaviors. Avoid complex dynamic html.
- **Use the application framework**
 - Develop unique functionalities not a unique framework
 - Don't create one-offs. Avoid custom UI for navigation, search, global function placement, etc.

The Application Framework



Header

Header



Across Accounts

Single Account

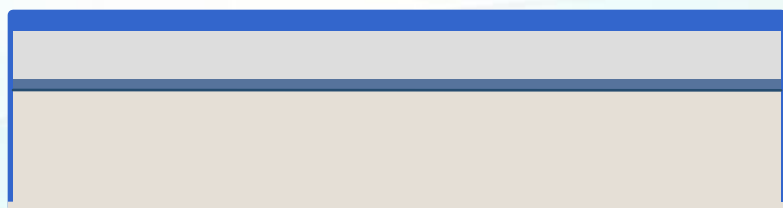
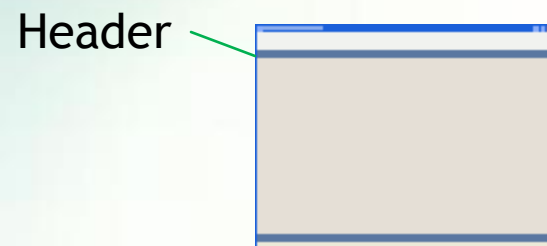
Tabs



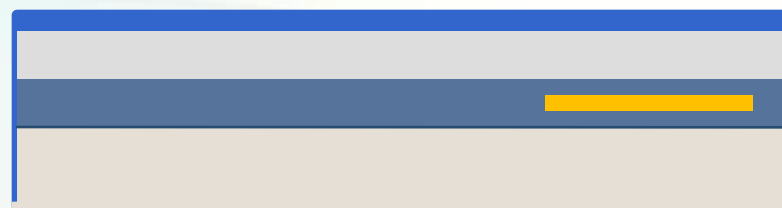
JOHNS HOPKINS
MEDICINE

Hospital Branding

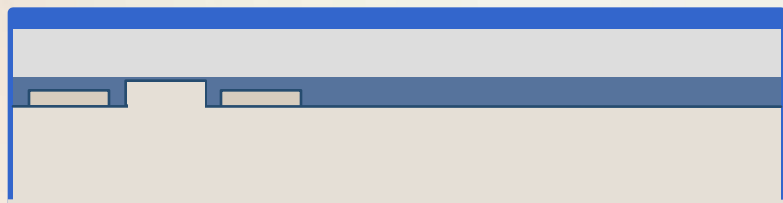
Header Variations



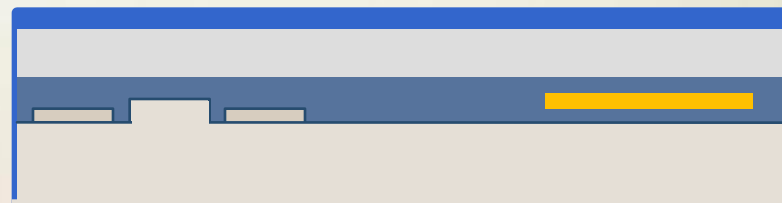
Empty Header
(10 pixels)



Hospital Branding



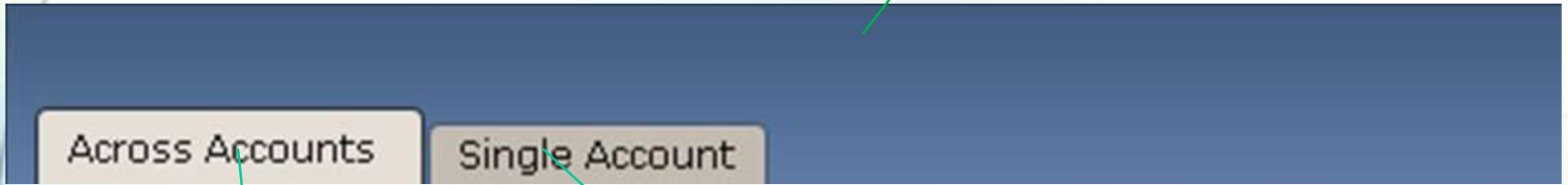
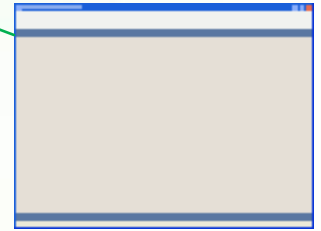
Tabs



Tabs and Hospital Branding

Account Tabs

Header

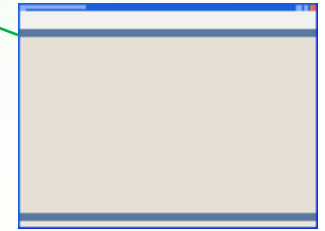


Across Accounts Tab

Single Account Tab

Multiple Account Tabs

Header



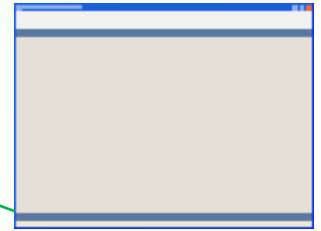
Header				
Across Accounts	106194 - Mimick	003798 - Kelleher	027871 - DeVries	03

Across Accounts Tab

Single Account Tabs

Footer

Footer



Global Menu

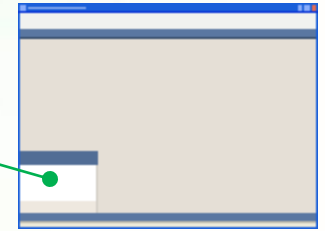
- The menu opens after click
- Displays QuadraMed Branding

User Identification

Server Date-Time

Global Menu










Global Menu





My Applications

Global Functions

Doc Rudolph, MD - Physician

 Patient Chart Affinity Client	 Help and Support
 Billing Affinity Client	 Keyboard Shortcuts
 Scheduling Tempus One	 Icons & Glossary
 Configure Application	 User Preferences
 All Applications	

 Sign Out

 QUADRAMED

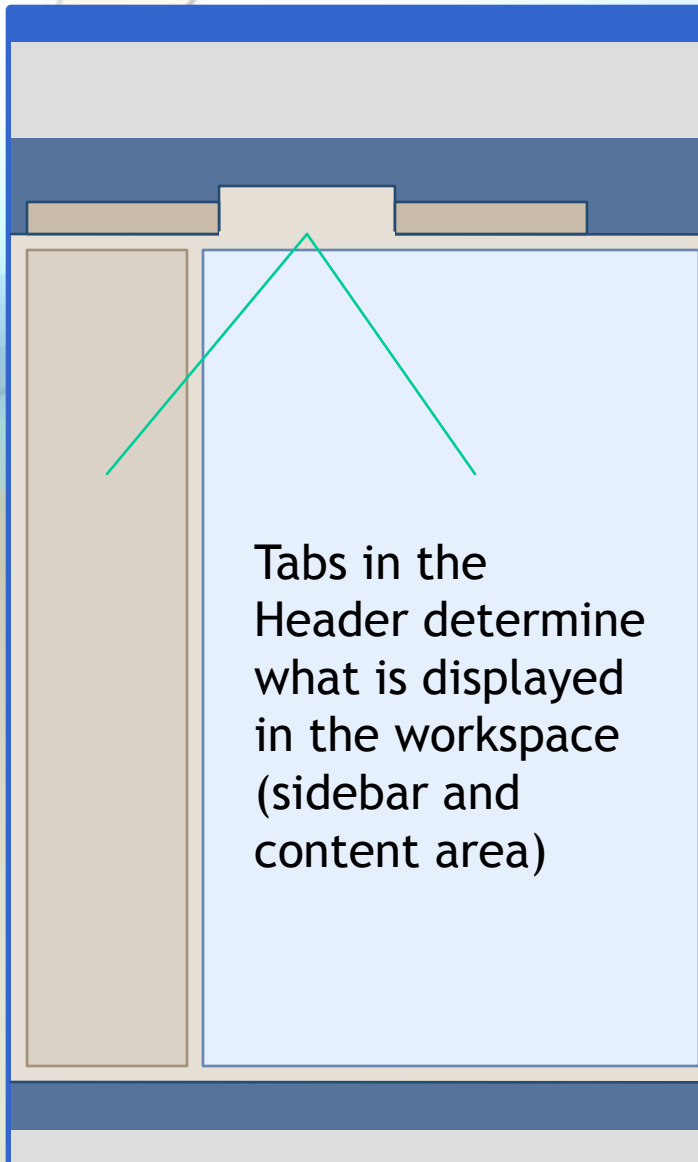
Doc Rud

Configure Application

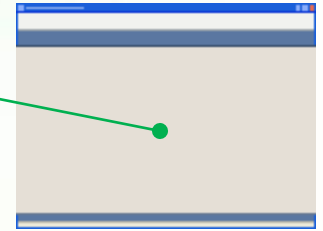
User Preferences

Sign Out

Workspace



Workspace



Header

Workspace

Footer

Sidebar

Content Area



Actions and Tasks

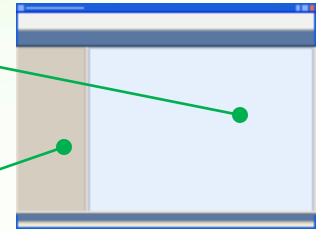
- **Sidebar actions** change the user current workflow, and generally represent primary tasks.
- **Content area actions** stay within the current workflow, and assist in the completion of the primary tasks. These can be thought of as ‘subtasks’.

Sidebar

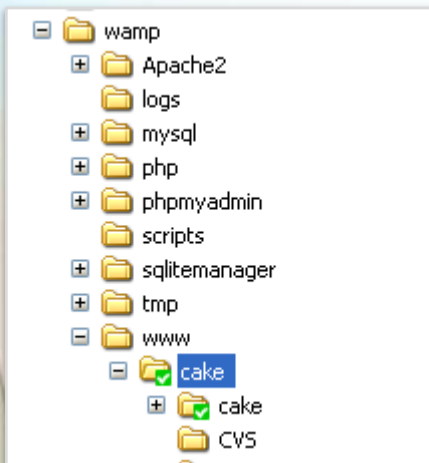
The primary way users get to content and perform tasks.

Content

Sidebar



Getting to Content

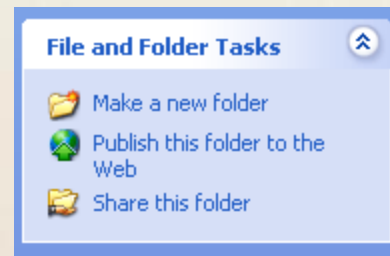


Browsing the menu



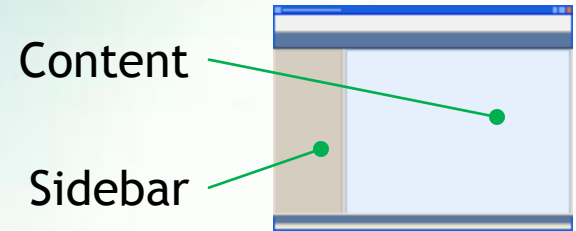
Searching the database

Performing Tasks



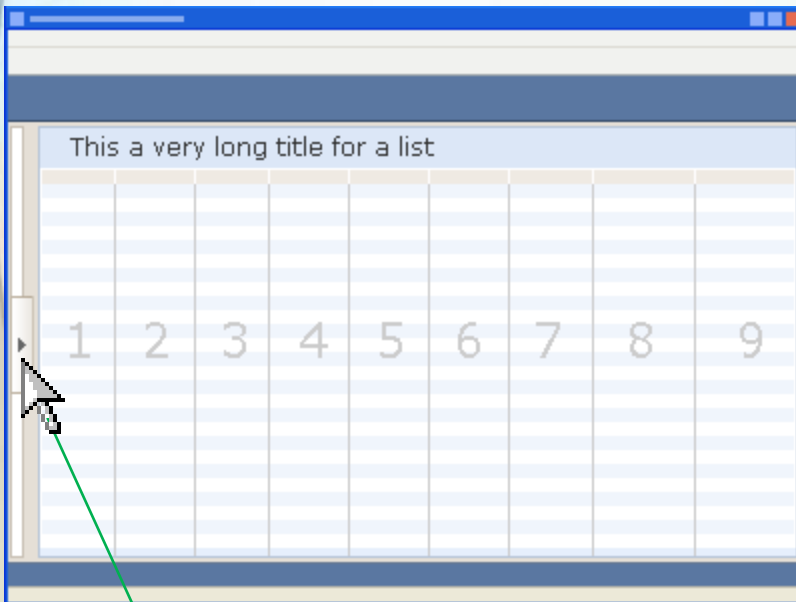
Selecting from the task list

Pinned Mode



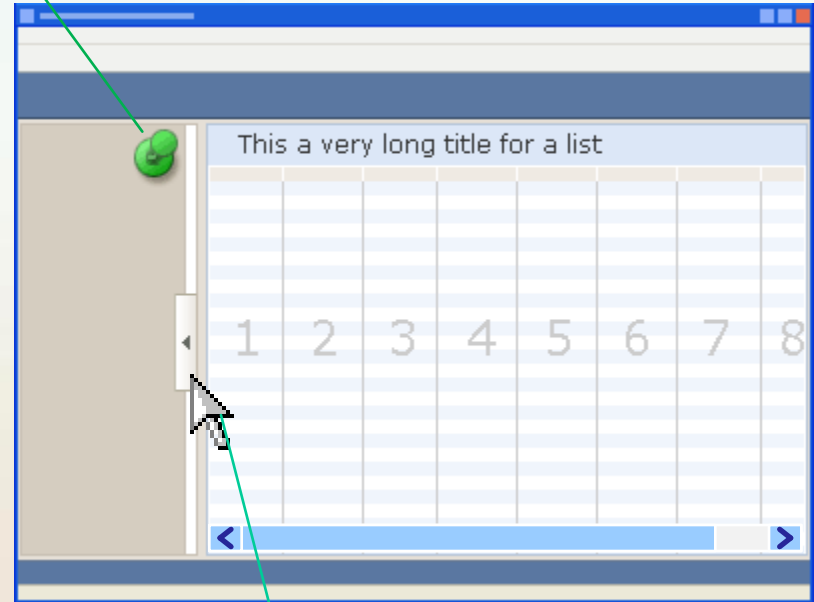
Switch to unpinned mode

Collapsed



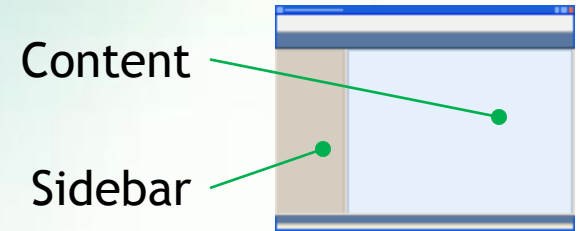
Click button to expand the sidebar

Expanded



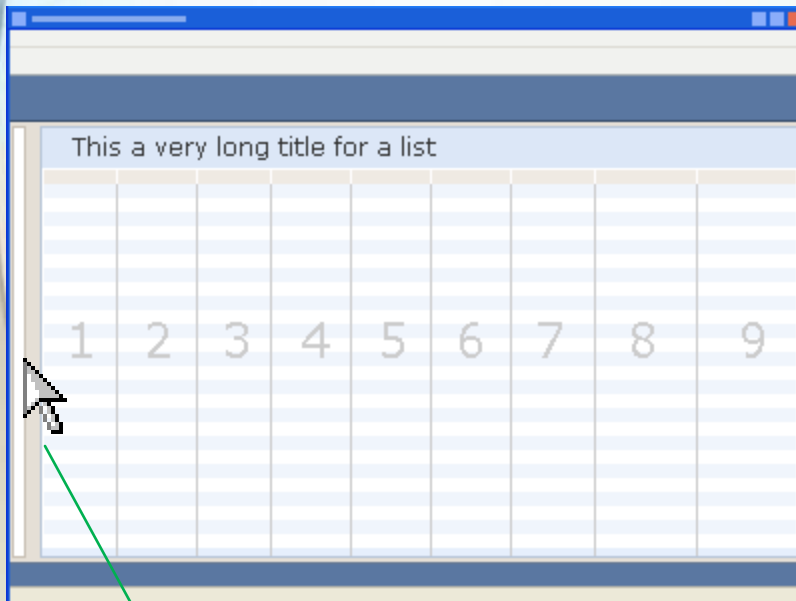
Click button to collapse the sidebar

Unpinned Mode



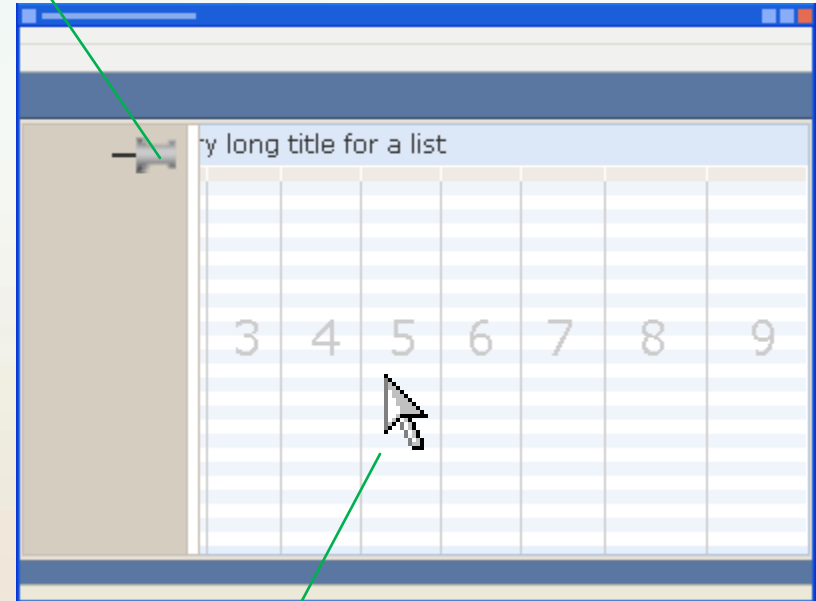
Switch to pinned mode

Hidden



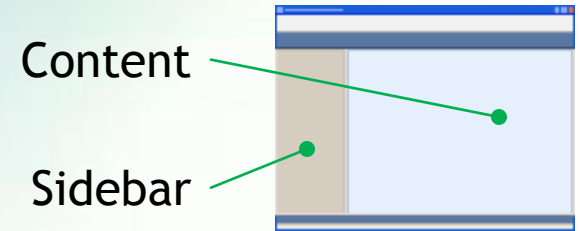
Move mouse over the sidebar =
Show the sidebar

Visible



Move mouse away from the sidebar =
Hide the sidebar

Comparing Modes



Unpinned

Advantages

More horizontal space for data

Disadvantages

- Decreased way-finding
- Decreased discoverability
- Decreased learn-ability
- Increased burden on recall
- Left-most content is hidden

Pinned

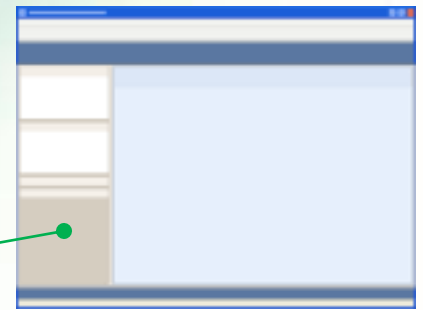
Advantages

- Increased way-finding
- Increased discoverability
- Increased learn-ability
- Decreased by burden on recall

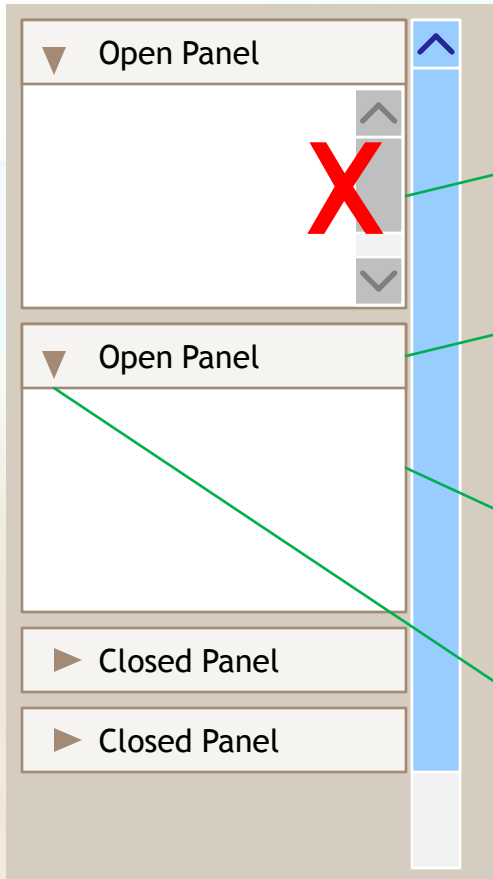
Disadvantages

- Decreased horizontal space for data
- Right-most content is hidden

Behavior of Panels



Sidebar



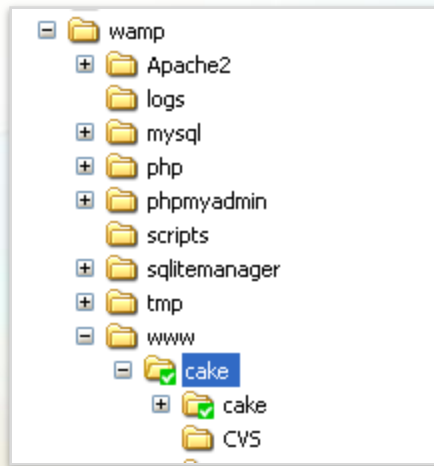
Scrollbars must **not** appear in the body of a panel.

Click anywhere on the panel header to expand or collapse panel

The panel body expands to display **all** of the information in the panel

The triangle icon indicates if a panel is open or closed

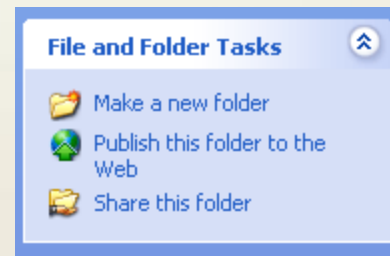
Contents of a Panel



Tree

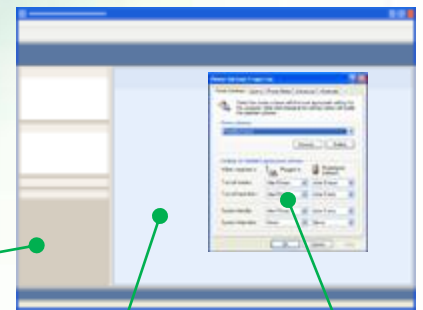


Form



List of Links

Types of Panels

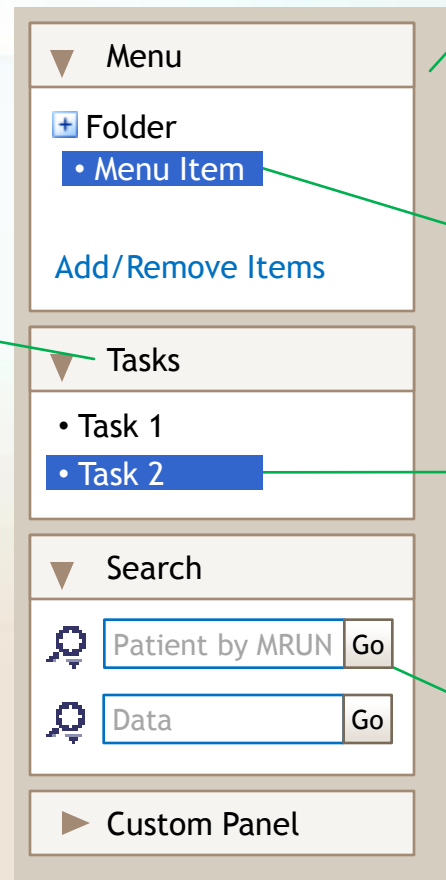


Sidebar

Content

Dialog

If complicated,
can be displayed
as a tree

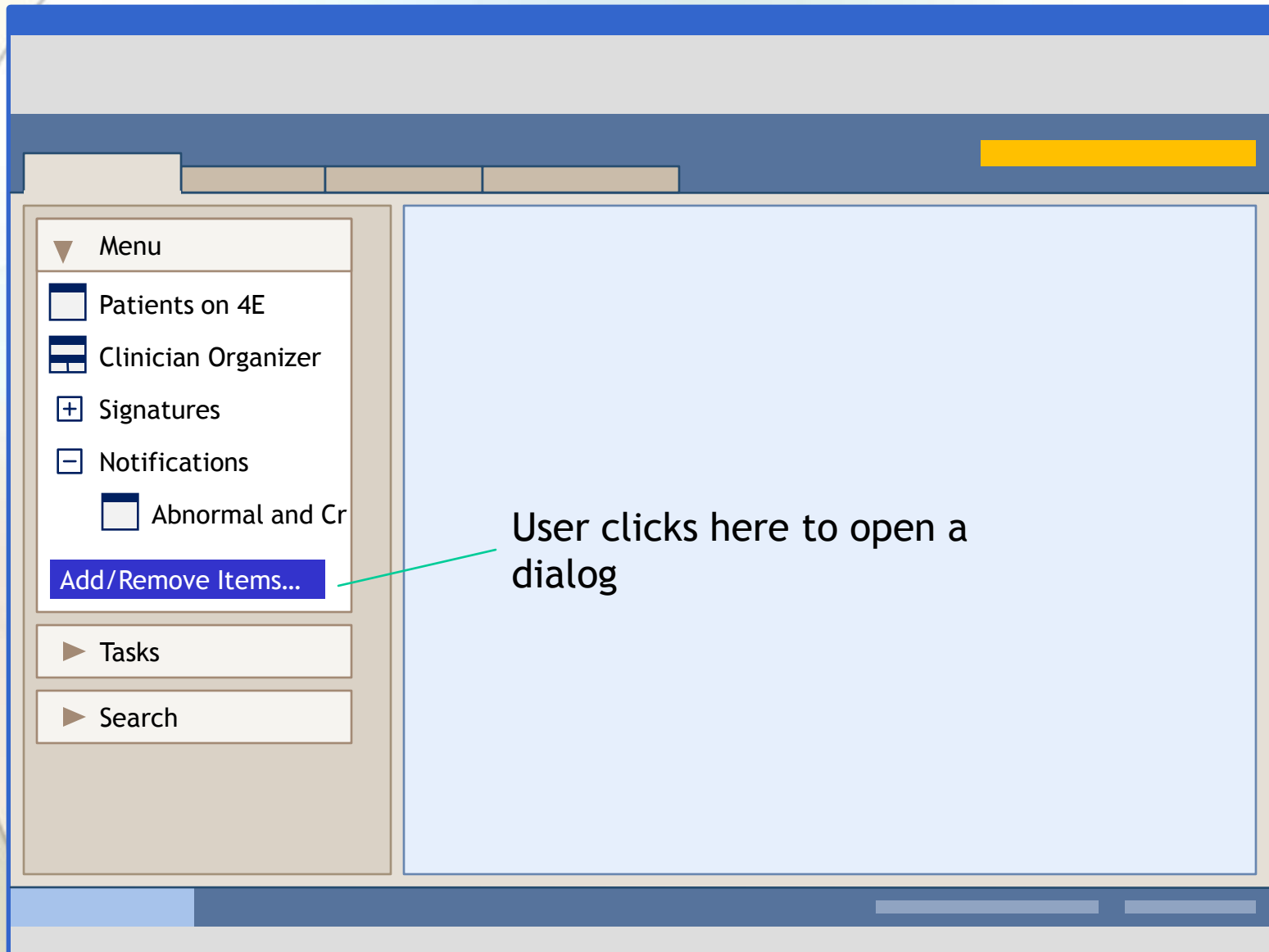


Clicking on a destination selects the link and refreshes the **content area**

Clicking on a task may open a **dialog** (new window) or refresh the **content area**

Search results may open a **dialog** (new window) or refresh the **content area**

Add/Remove Items from the Menu



Add/Remove Items from the Menu

Dropdown of Available Content

Add/Remove Content

The user's menu for the selected tab

Sequencing

Content within a category

Choose Content:

Patient Lists

- Rounds List
- My Patients
- Patients on 3E

Add >>

Remove

Menu

- Patients on 4E
- Clinician Organizer
- Signatures
- Notifications
- Abnormal and Critical

New Folder

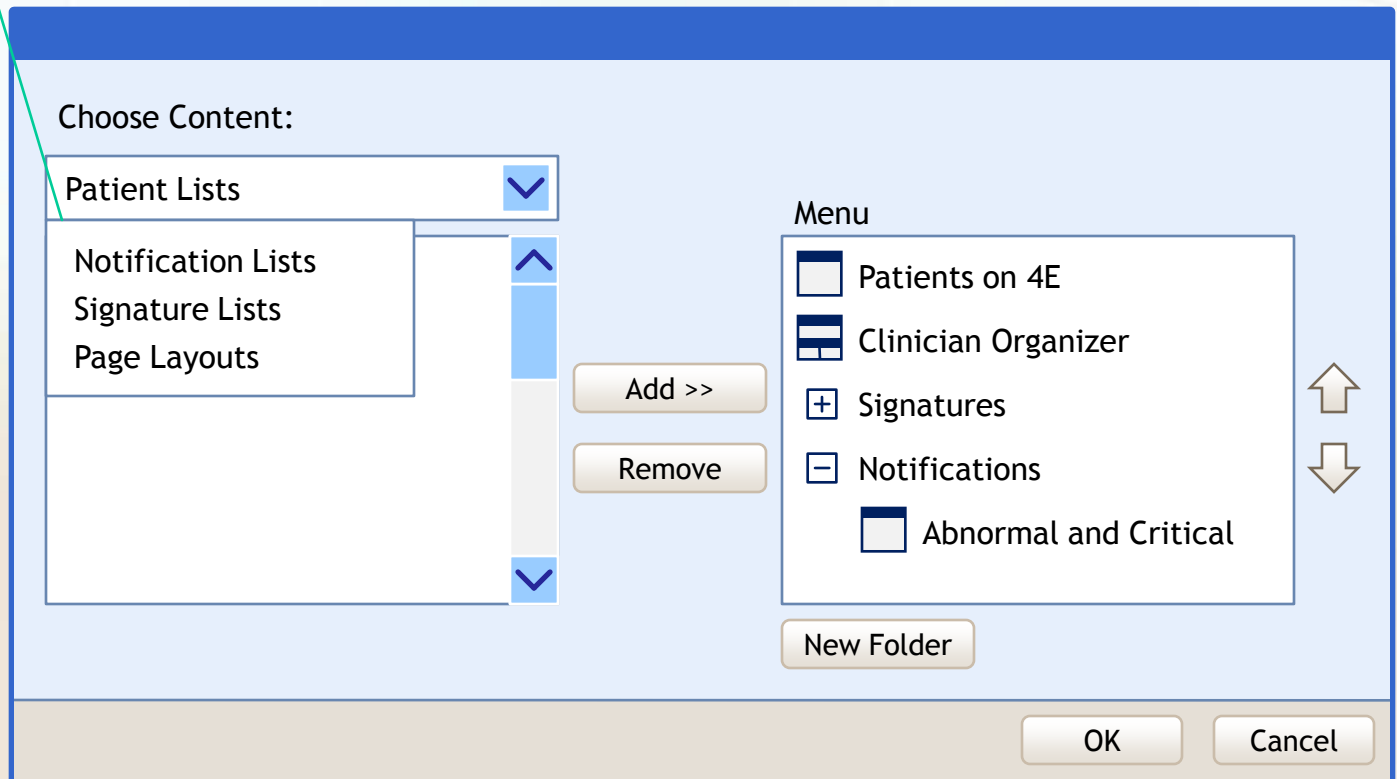
OK Cancel

New Folder

Add/Remove Items from the Menu

Dropdown of Available Content

- List of Available Categories
- Page Layouts



Context (Right-Click) Menu for Menu Items

Opens menu item in this area

Removes menu item from the menu

Dialogs

Menu

- My Page Layout
- All Data
- All R

Add/R

Open

Remove

Rename

Edit

Duplicate

Rename

Name: Current Name of View/Layout/Frame

Description: Some description

Rename Cancel

Rename

Name: Current Name of View/Layout/Frame

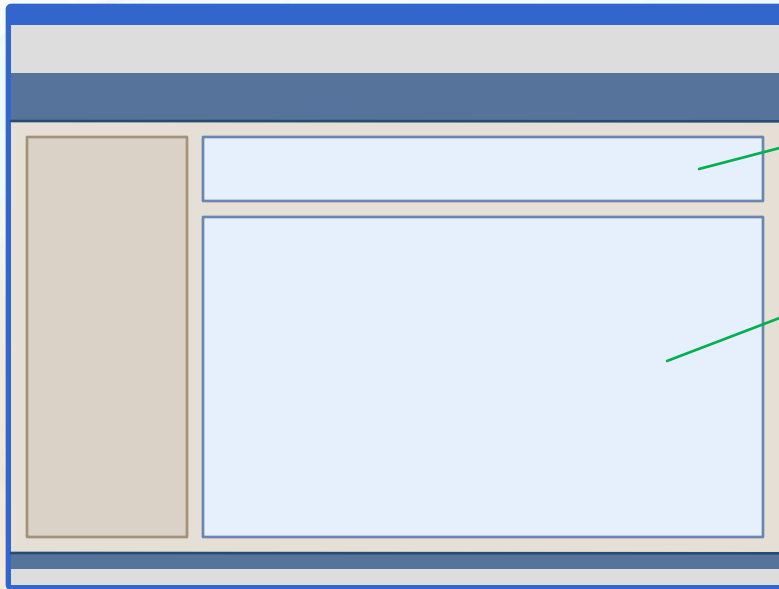
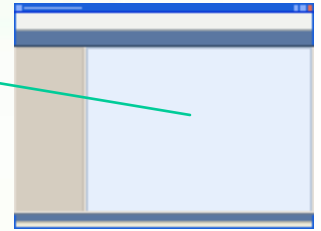
Description: Some description

Rename Cancel

Dialogs

Content

Content

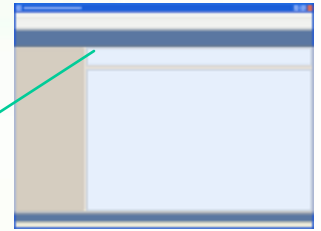


Account Header
(Optional for single account tab)

Page Layout

Account Header

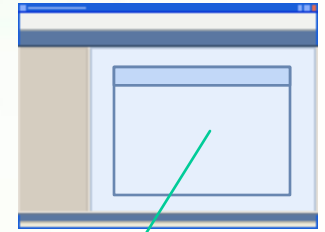
Account Header



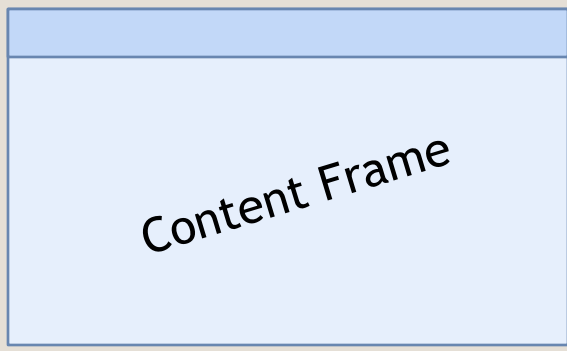
Primary Identifier - Identifier 2 - Identifier 3

Constantly displayed information...

Page Layouts

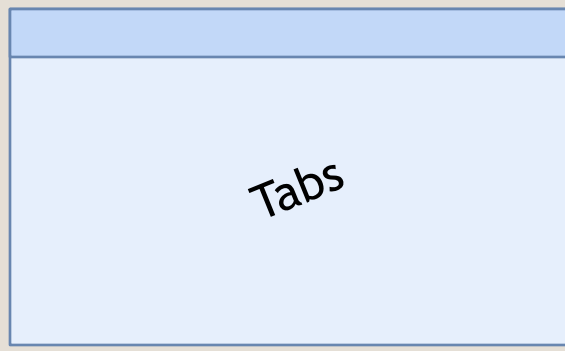


Page Layout



Content Frame

Selected Menu Item ...



Tabs

Selected Menu Item ...

Selected Tab Tab Two Tab Three



Frameset

Display content frame as frameset

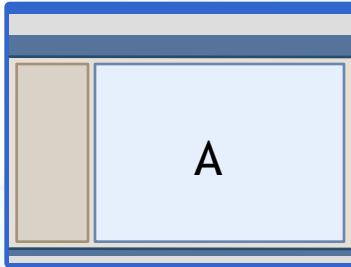
Choose content frame to display

Selected Menu Item ...

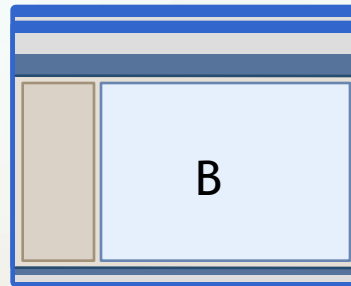
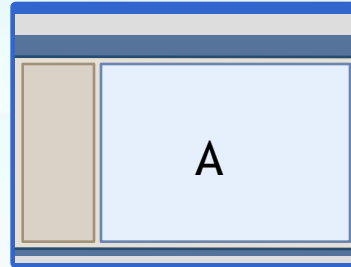
All Top Bottom

Comparison of Page Layouts

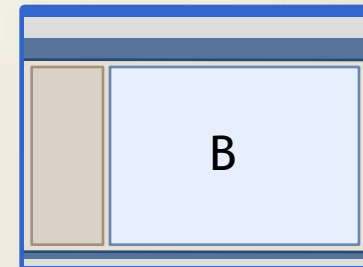
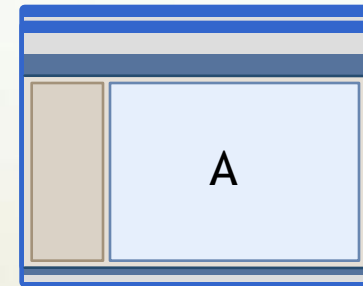
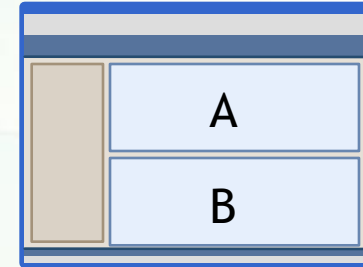
Single Frame



Tabs



Frameset



Nested Page Layouts are Forbidden

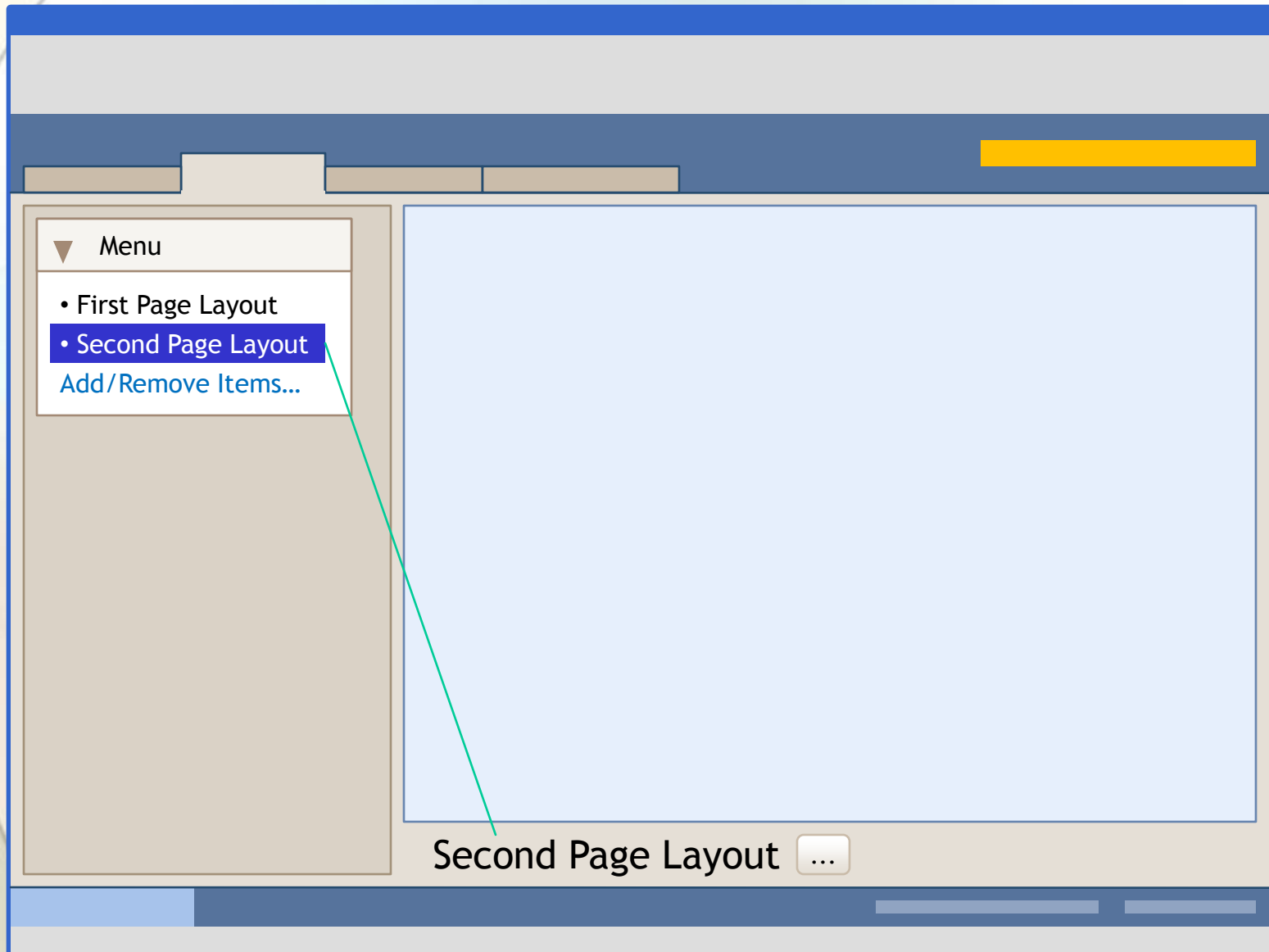
No framesets in framesets

No tabs in framesets

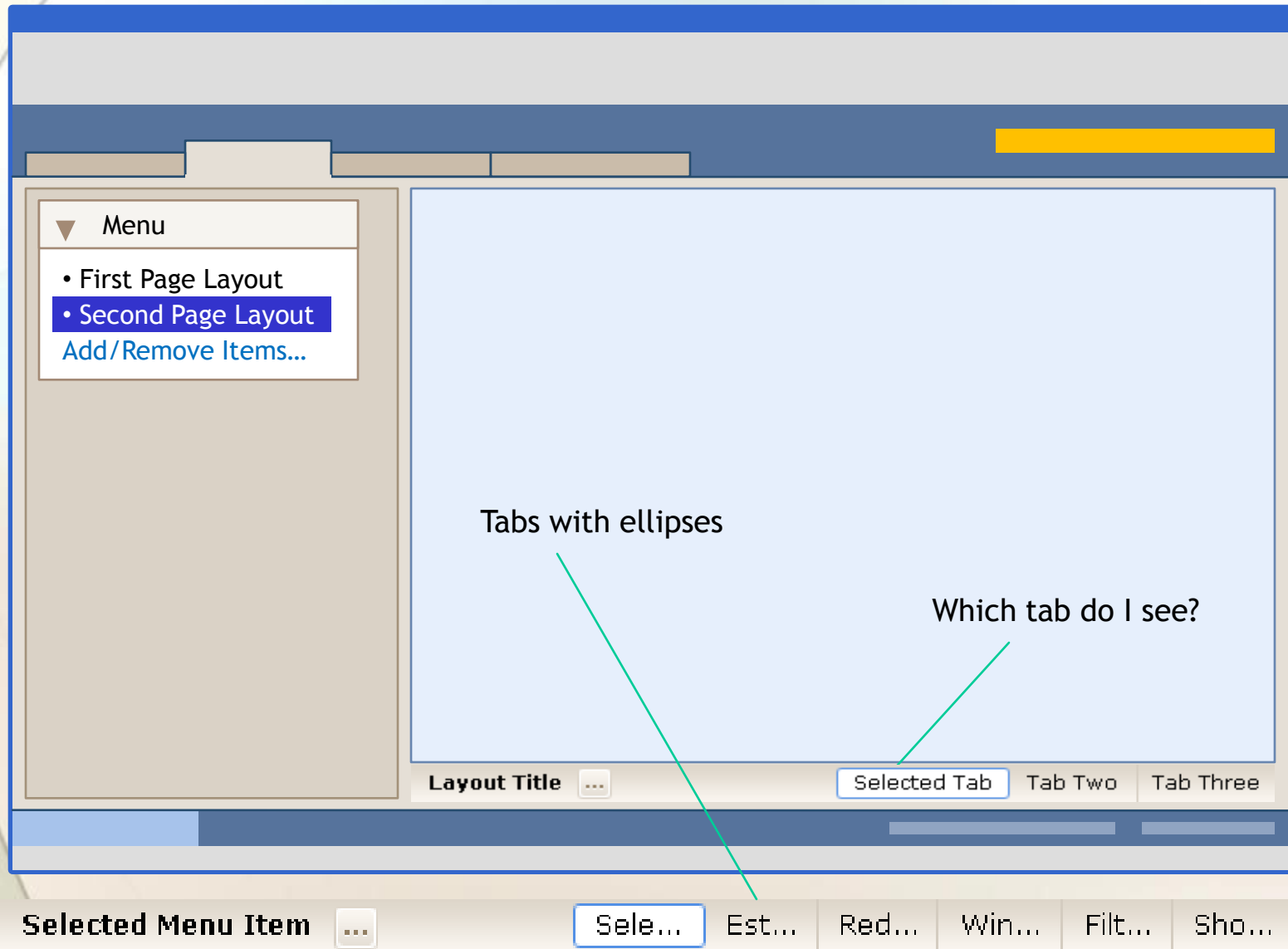
No tabs in tabs

No framesets in tabs

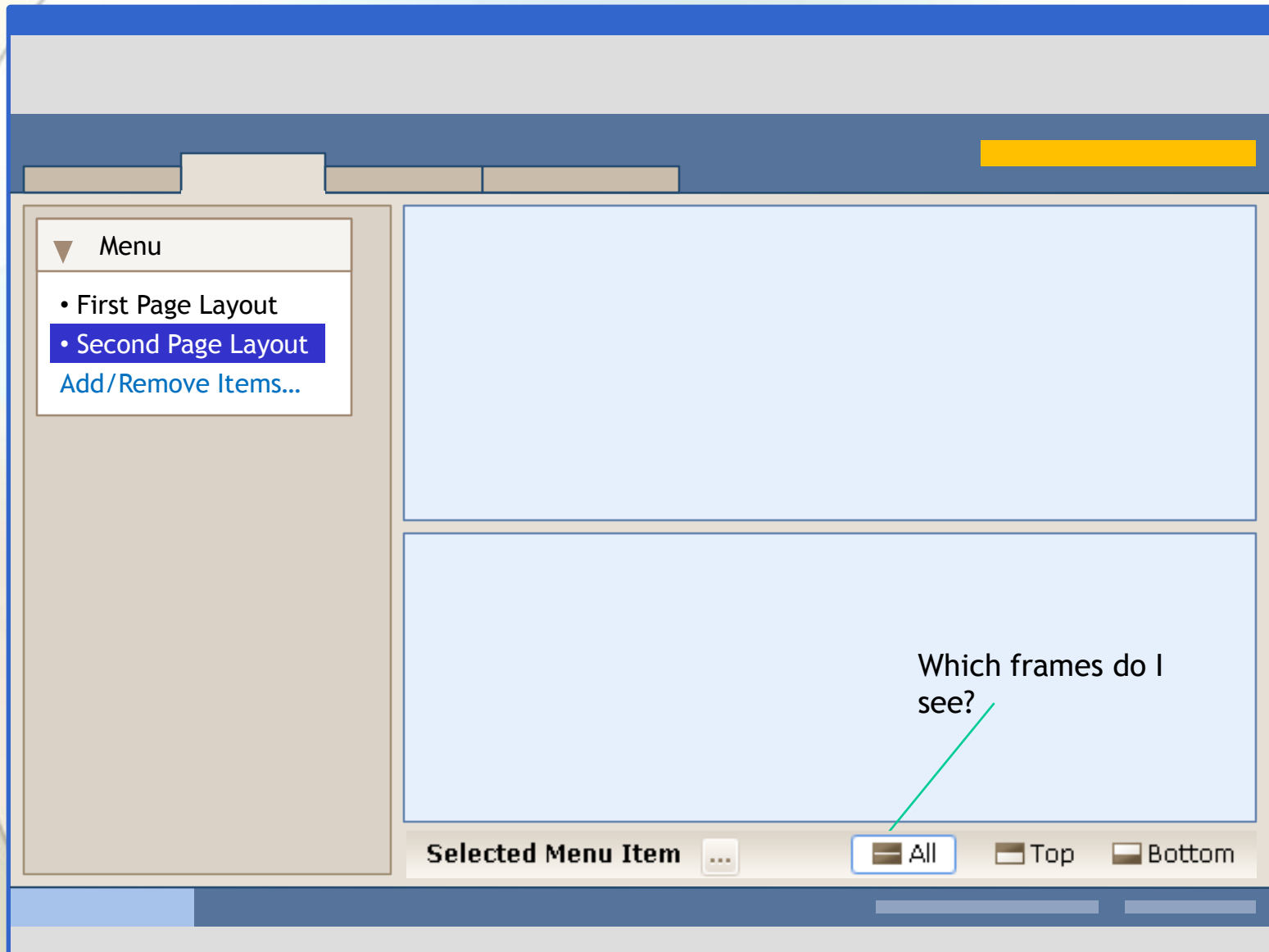
Single Frame



Tabs



Frameset



Allowed Framesets

50% by 100%	50% by 100%
-------------	-------------

100% by 50%
100% by 50%

100% by 50%	
50% by 50%	50% by 50%

50% by 50%	50% by 50%
100% by 50%	

50% by 100%	50% by 50%
	50% by 50%

50% by 50%	50% by 100%
50% by 50%	

50% by 50%	50% by 50%
50% by 50%	50% by 50%

Content Frame

View Title

View

View Actions

Category

The screenshot shows a software interface with a light blue header and a white content area. The header contains the text "This is the Location of the Title" followed by a dropdown arrow. Below the header is a toolbar with several icons and text labels: a document icon labeled "Text", another document icon labeled "Text", a dropdown arrow, a dropdown arrow labeled "Text", a document icon labeled "Text", a document icon labeled "Text", a yellow button labeled "Text", and a document icon labeled "Text". On the right side of the header, the word "Category" is displayed. The main content area is enclosed in a black border and contains a blue cylinder icon representing a database. Three green arrows originate from the database icon and point to three different data visualizations: a table of data, a line chart, and another table of data. At the bottom of the content area, there is a "Selected Menu Item" label next to a three-dot menu icon.

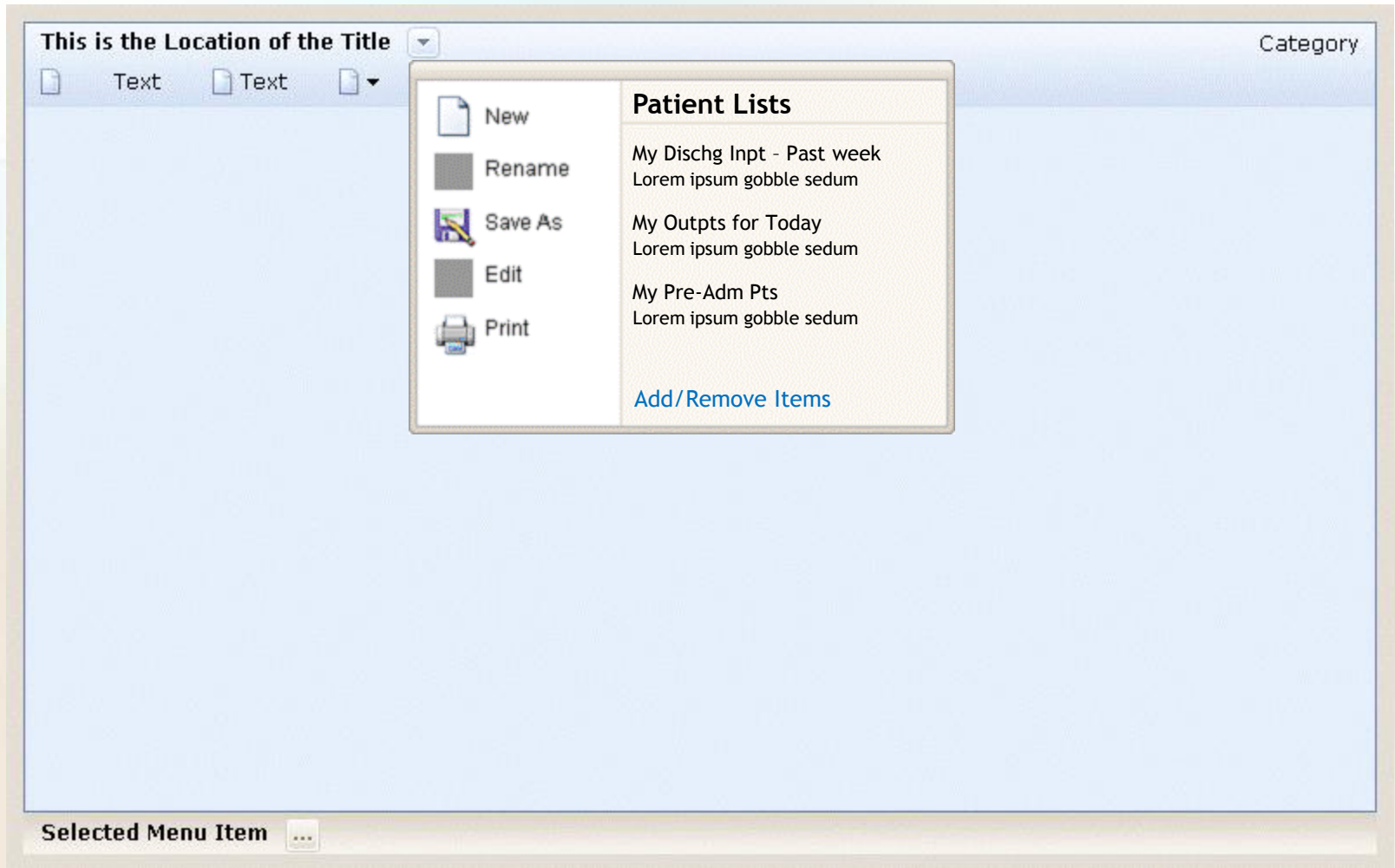
Selected Menu Item



Current Menu Item

Edit Layout Button

Example Content Frame



More Examples of Content Frames

My Inpatients [Rounds] Patient List

Open Pt Chart Copy Pt Move Pt Remove Pt

Abnormal & Critical Results Notification List

Open Pt Chart Acknowledge & Remove

All Signatures Signature List

Open Pt Chart View and Sign

Content Frame Menu

The screenshot shows a software window titled "This is the Location of the Title" with a "Category" dropdown in the top right. A menu is open, listing "New", "Rename", "Save As", "Edit", and "Print". A sub-menu titled "Category" is also open, showing three "Title" items with "Lorem ipsum gobble sedum" descriptions and a blue "Add/Remove Items" link at the bottom. A "Rename" dialog box is open in the foreground, with "Content Menu of Views/Practices" in the "Name" field and "Some description" in the "Description" field. A "Selected Menu Item" dropdown is visible at the bottom of the window.

Category

Category

New
Rename
Save As
Edit
Print

Category
Title
Lorem ipsum gobble sedum
Title
Lorem ipsum gobble sedum
Title
Lorem ipsum gobble sedum

Add/Remove Items

Available Views Menu

Rename
Name: Content Menu of Views/Practices
Description: Some description
Rename Cancel

Selected Menu Item ...

Actions not requiring a selection always open dialogs

Dialog for adding and removing views from the Available Views menu.