

3. Übung: Usability-Verbesserungen mit UI-Patterns

Jede Gruppe (bestehend aus genau 2 Personen) sucht sich 5 Patterns aus. Die Patterns müssen aus unterschiedlichen Kategorien stammen:

- Organising the content: Information architecture and application structure
- Getting around: Navigation, signposts and wayfinding
- Organising the page: Layout of page elements
- Doing things: Actions and commands
- Showing complex data: Trees, tables, and other information graphics
- Getting input from users: Forms and controls
- Builders and editors
- Making it look good: Visual style and aesthetics

Die Gruppe sucht Applikationen oder Webseiten, in denen diese ausgewählten Patterns angewendet werden können. Das kann natürlich nur ein kleiner Teilbereich solcher Applikation oder Website sein.

Die Gruppe wendet die Patterns für die ausgewählte Applikationen oder Webseiten an, indem sie einen Entwurf erstellt (auf Papier, in Form von einer Skizze, von der man dann ein Screenshot erstellt).

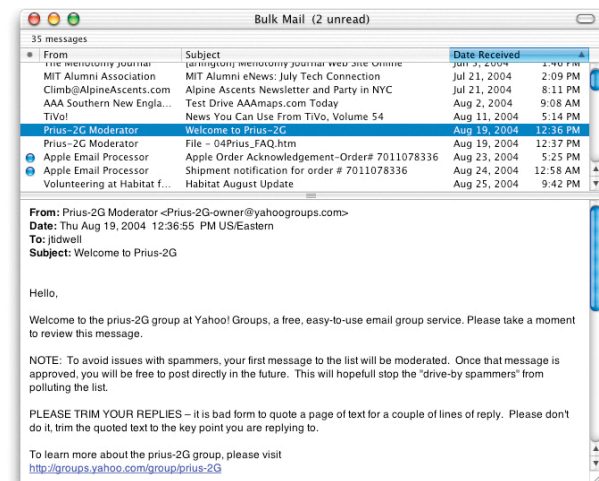
Die Gruppe erstellt ein Dokument, in dem diese fünf Pattern-Anwendungen dokumentiert werden:

- Um welche Applikation handelt es sich? (2 Sätze)
- Was fehlt in dieser Applikation, was ist falsch, was ist nicht "usable"? (3 Sätze)
- Wie schaut das aus? (ein Screenshot)
- Wie schaut es nach der Anwendung des Patterns aus? (ein Screenshot)
- Warum ist es jetzt aus Usability-Sicht besser? Was hat sich dadurch verbessert? (3 Sätze)

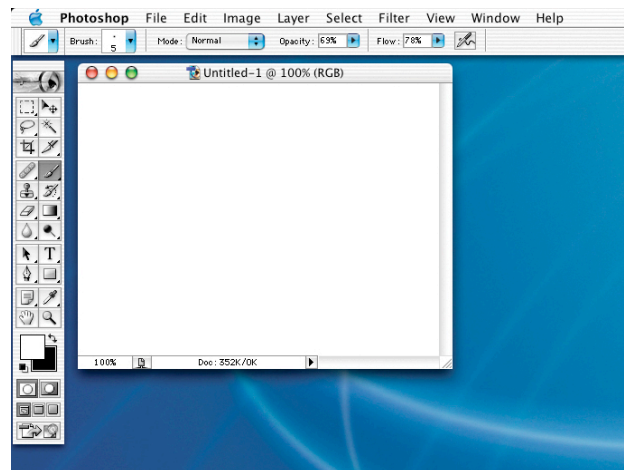
Die Gruppe gibt diese Arbeit bis spätestens 20.1. um 12h per Email ab. Im Subject von der Email soll die "Gruppennummer + 3. Übung" stehen.

Organising the Content: Information Architecture and Application Structure (8)

Two-Panel Selector



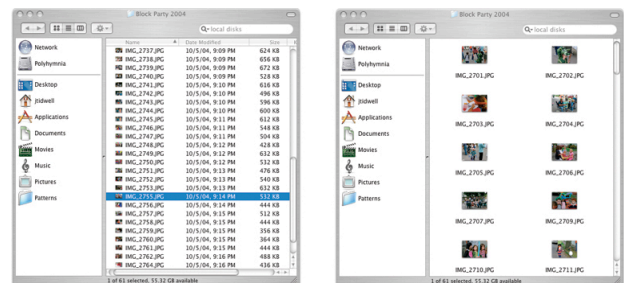
Canvas Plus Palette



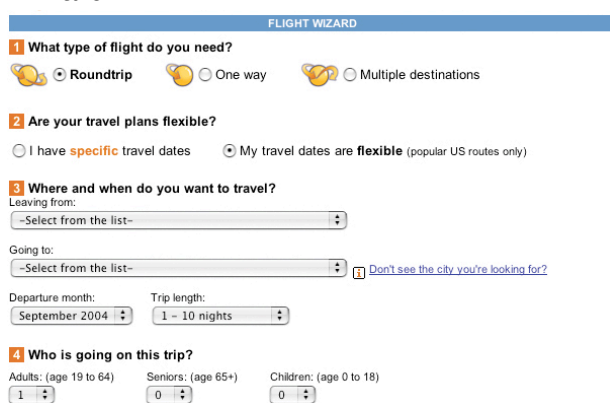
One-Window Drilldown



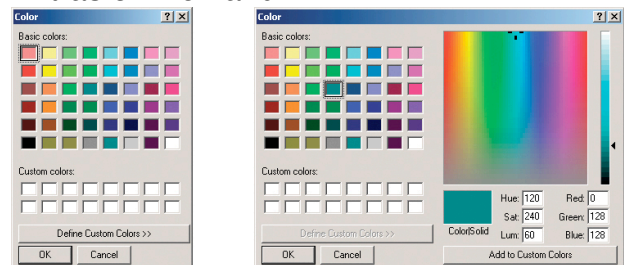
Alternative Views



Wizard



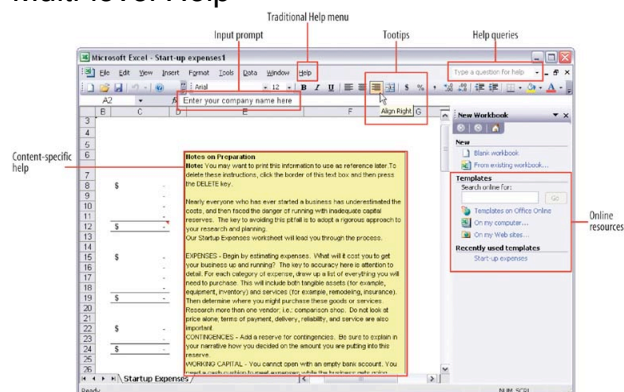
Extras on Demand



Intriguing Branches



Multi-level Help



Getting Around: Navigation, Signposts, and Wayfinding (11)

Clear Entry Points



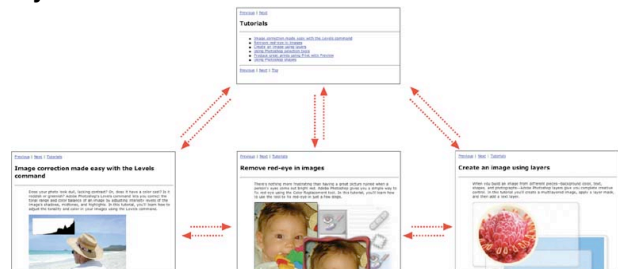
Global Navigation



Hub and Spoke



Pyramid



Modal Panel



Sequence Map



Breadcrumbs



Annotated Scrollbar

ount; they put it front-and-center, in bold lettering and
re. The three other tasks (probably used more frequently
d in a group, each with equal visual weight. The most
v my account," is at the top.

Page: 10

will additionally list other n Clear Entry Points
nd these would be much smaller, visible only to those
re more specialized; they don't lead you directly into the
garage door leads you directly into the living room of a

not a manifestation of Clear Entry Points, since they
the user. They merely pass the captive user along from

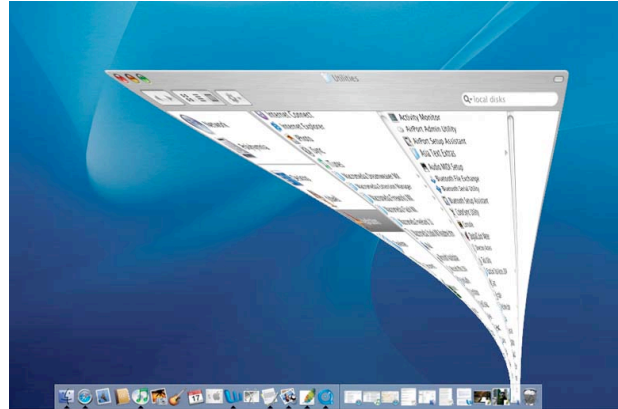


Getting Around: Navigation, Signposts, and Wayfinding (11)

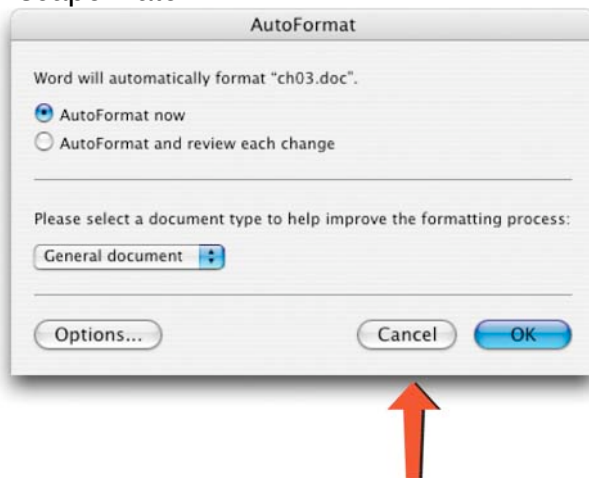
Color-Coded Sections



Animated Transition

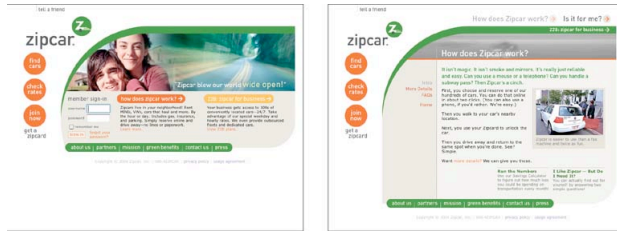


Escape Hatch

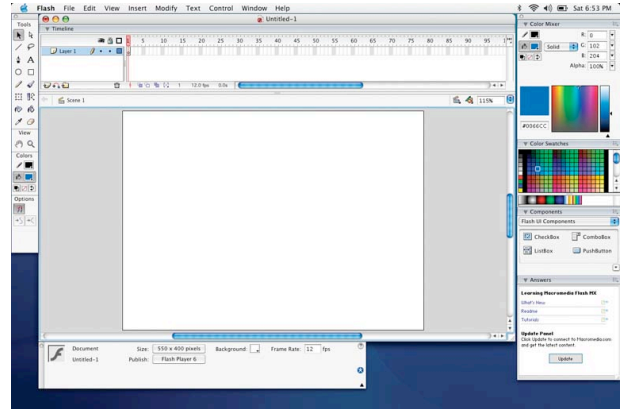


Organising the page: Layout of page elements (12)

Visual Framework



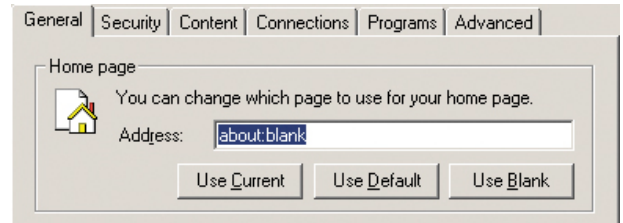
Center Stage



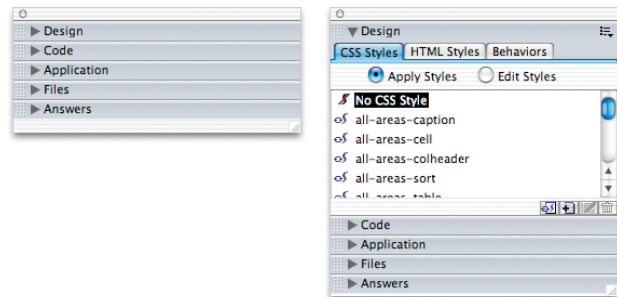
Titled Sections



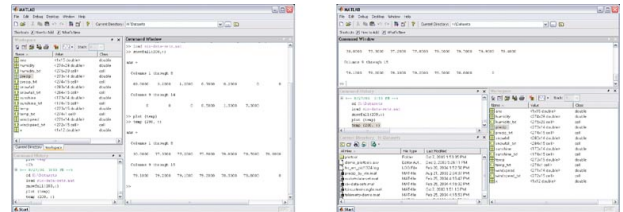
Card Stack



Closable Panels



Movable Panels



Right/Left Alignment

Table size

Number of rows:

Number of columns:

Options

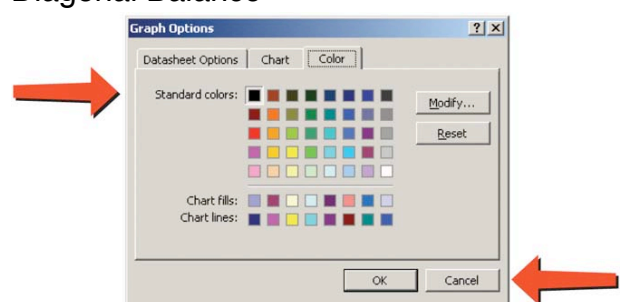
Table width: ☒ Default width ☐ Specific width: pixels

Border thickness: pixels

Cell padding: pixels between border and content

Cell spacing: pixels between cells

Diagonal Balance



Organising the page: Layout of page elements (12)

Property Sheet

The screenshot shows the Visual Studio Property Sheet for a **CancelButton** control. The control is of type **System.Windows.Forms.Button**. The properties are organized into sections: **Accessibility**, **Appearance**, **Font**, and **Behavior**. The **TextAlign** property is highlighted, showing its value as **MiddleCenter**. A description at the bottom states: "The alignment of the text that will be displayed in the face of the control."

Responsive Disclosure

The image compares two versions of a login form. The left version is a standard form with a "Sign In" button. The right version implements "Responsive Disclosure" by showing a "Forgot password?" link and a "Remember my user ID on this computer" checkbox only when the user is logged in. The form also includes a "Sign In" button.

Responsive Enabling

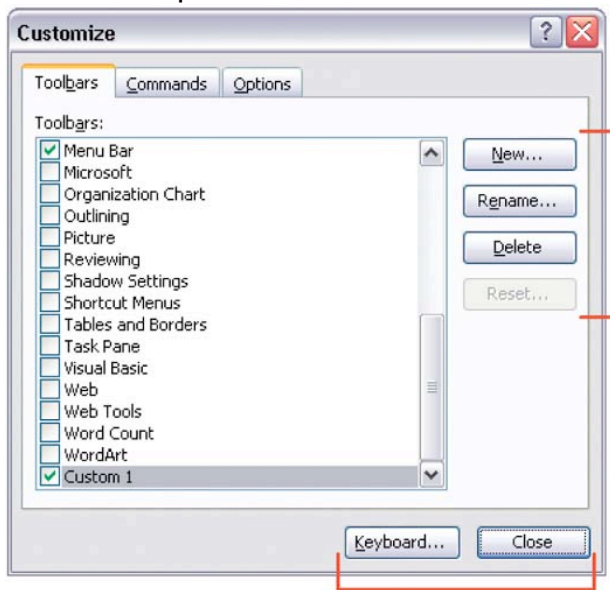
The image compares two settings for displaying the date and time. The left version shows a standard digital clock. The right version implements "Responsive Enabling" by showing a "Show AM/PM" checkbox and a "Show the day of the week" checkbox only when the user is logged in. The form also includes a "Show the date and time" checkbox.

Liquid Layout

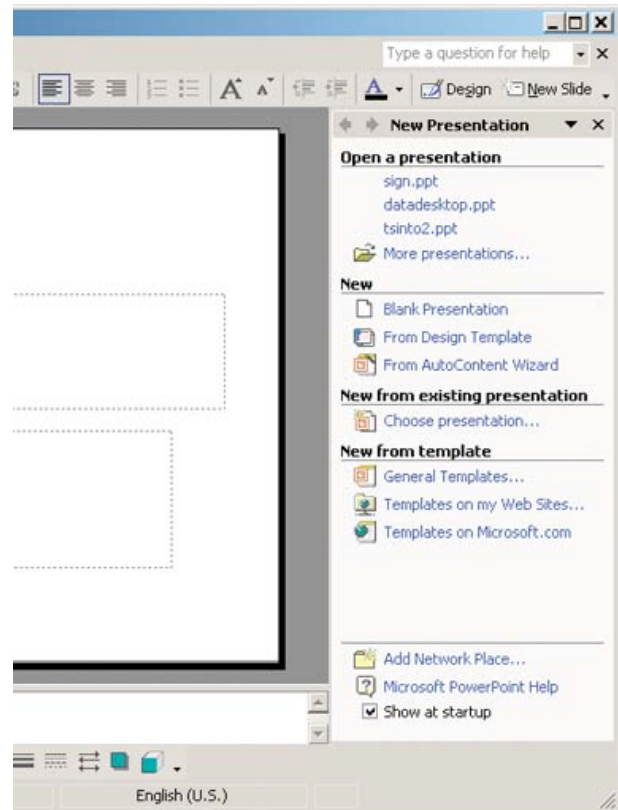
The image compares two versions of a web page layout. The left version is a standard fixed-width layout. The right version implements "Liquid Layout" by using a fluid grid system that adjusts the width of the content area based on the browser window size. The layout includes a header, a main content area, and a sidebar.

Doing things: Actions and commands (10)

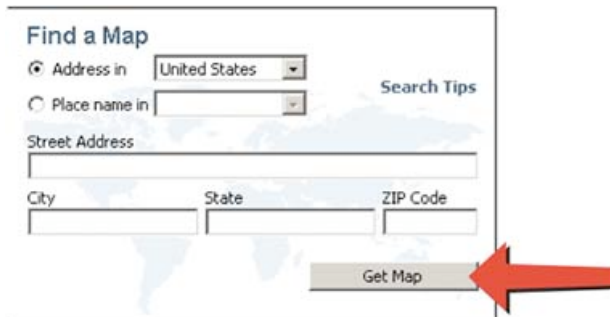
Button Groups



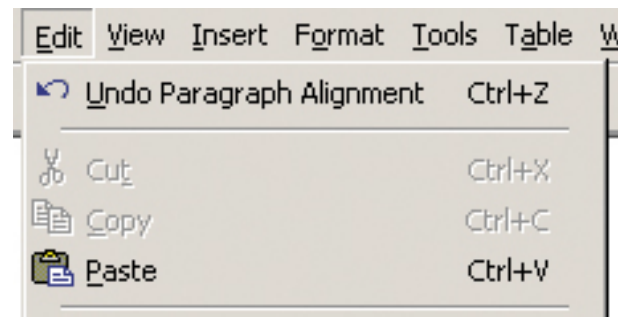
Action Panel



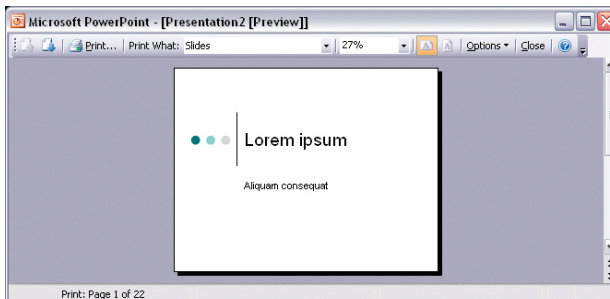
Prominent "Done" Button



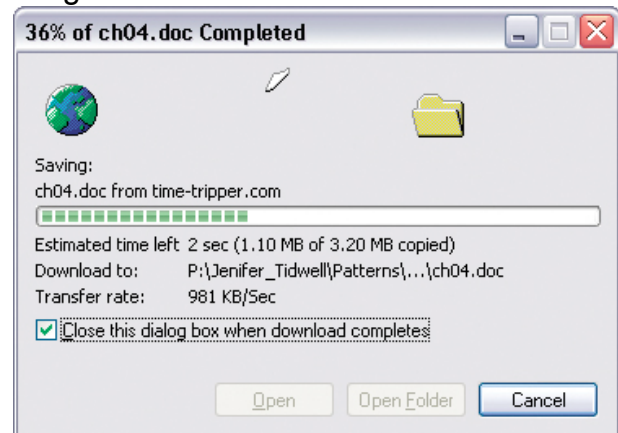
Smart Menu Items



Preview

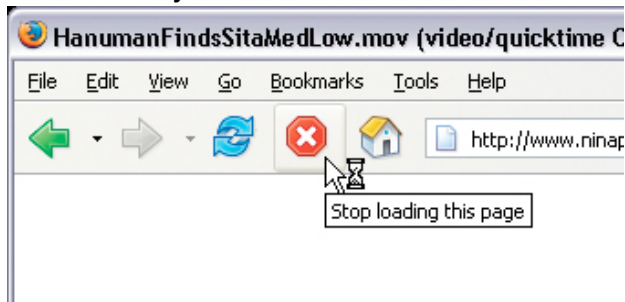


Progress Indicator

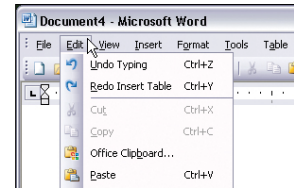
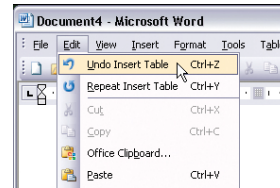


Doing things: Actions and commands (10)

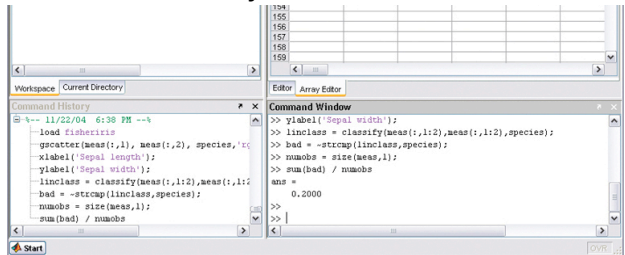
Cancelability



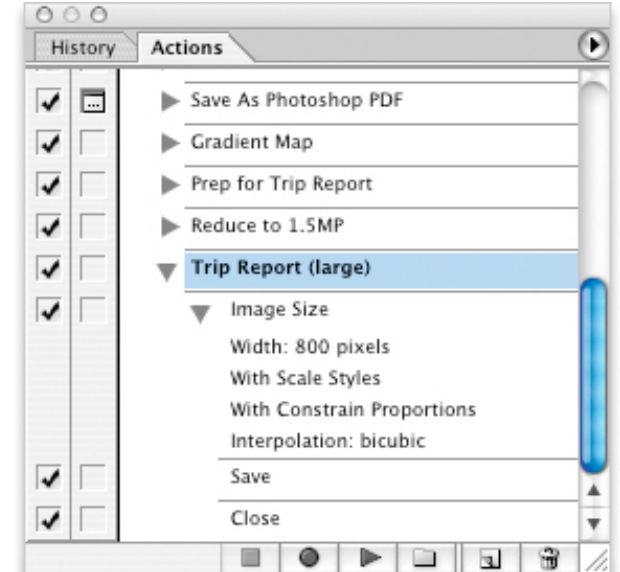
Multi-Level Undo



Command History



Macros

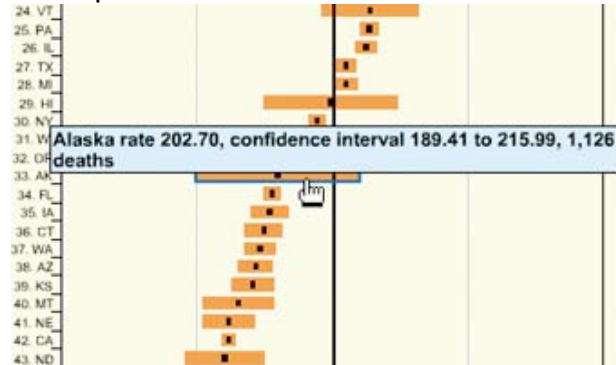


Showing complex data: Trees, tables and other information graphics (14)

Overview Plus Detail



Datatips



Dynamic Queries

Filters

- ☐ 1. Show Available Items
- ☐ 2. Show Items w/ Pictures

3. Price:

n/a 11 117 239 469 1.5K

\$79 \$1,008

4. Avg. Customer Rating:

n/a 1 2.00 3 4 5.00

5. # of Customer Reviews:

n/a 1 3 5 10 13

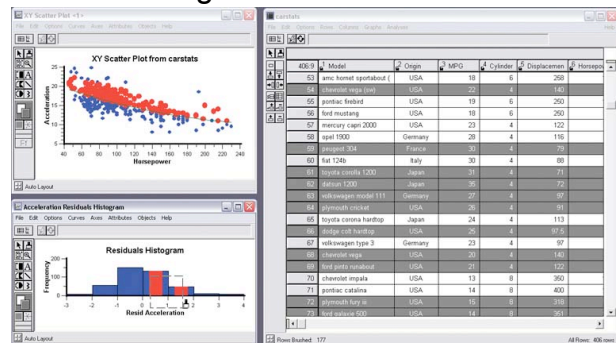
6. Sales Rank:

n/a 111 3K 6K 10K 14.5K

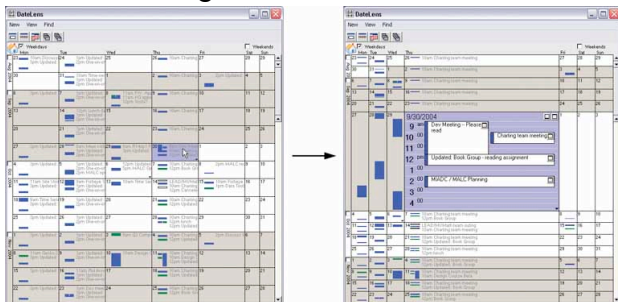
14,578

Brand	Model	Price	Rating	Reviews	Sales Rank
Tamron	TAMRON 28-75MM F/2.8...	\$399.99	4.00	1 Review(s)	
Sony		\$153...	3.67	3	
Sony		\$144.94	3.00	1	
Sony		\$138.99	3.00	1	
Sony		\$10...	4.07	3	
Vivitar		\$189.88	3.00	1	
Kon...		\$175.99	4.17	1	

Data Brushing



Local Zooming



Row Striping

Song Name	Time	Artist	Album	Price
3 Silver Thunderbird	4:38	Marc Cohn	Marc Cohn	\$0.99
4 Dig Down Deep	5:08	Marc Cohn	Marc Cohn	\$0.99
5 Walk on Water	4:01	Marc Cohn	Marc Cohn	\$0.99
6 Miles Away	3:23	Marc Cohn	Marc Cohn	\$0.99
7 Saving the Best for Last	5:35	Marc Cohn	Marc Cohn	\$0.99
8 Strangers in a Car	2:47	Marc Cohn	Marc Cohn	\$0.99
9 29 Ways	3:06	Marc Cohn	Marc Cohn	\$0.99
10 Perfect Love	4:23	Marc Cohn	Marc Cohn	\$0.99
11 True Companion	4:10	Marc Cohn	Marc Cohn	\$0.99

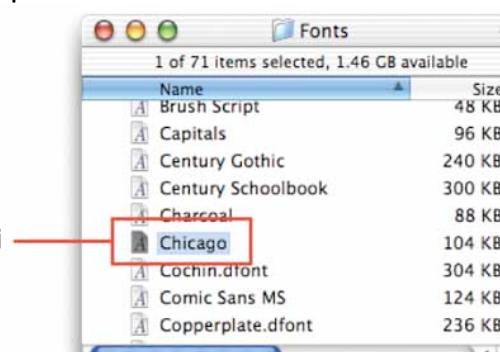
Showing complex data: Trees, tables and other information graphics (14)

Sortable Table

Name	Size	Type	Modified
demo		File Folder	8/12/2001 8:38 PM
doc		File Folder	8/12/2001 8:38 PM
frameworks		File Folder	8/12/2001 8:38 PM
javadoc		File Folder	8/12/2001 8:38 PM
lib		File Folder	8/12/2001 8:38 PM
index.html	1 KB	HTML Document	5/1/2001 12:03 PM
license.html	14 KB	HTML Document	5/1/2001 12:04 PM
release_notes.html	1 KB	HTML Document	5/1/2001 12:03 PM
rn_connect.html	1 KB	HTML Document	5/1/2001 12:03 PM
rn_dev.html	25 KB	HTML Document	5/2/2001 4:53 PM
rn_sync.html	1 KB	HTML Document	5/1/2001 12:03 PM

Name	Size	Type	Modified
demo		File Folder	8/12/2001 8:38 PM
doc		File Folder	8/12/2001 8:38 PM
frameworks		File Folder	8/12/2001 8:38 PM
javadoc		File Folder	8/12/2001 8:38 PM
lib		File Folder	8/12/2001 8:38 PM
index.html	1 KB	HTML Document	5/1/2001 12:03 PM
license.html	14 KB	HTML Document	5/1/2001 12:04 PM
release_notes.html	1 KB	HTML Document	5/1/2001 12:03 PM
rn_connect.html	1 KB	HTML Document	5/1/2001 12:03 PM
rn_dev.html	25 KB	HTML Document	5/2/2001 4:53 PM
rn_sync.html	1 KB	HTML Document	5/1/2001 12:03 PM

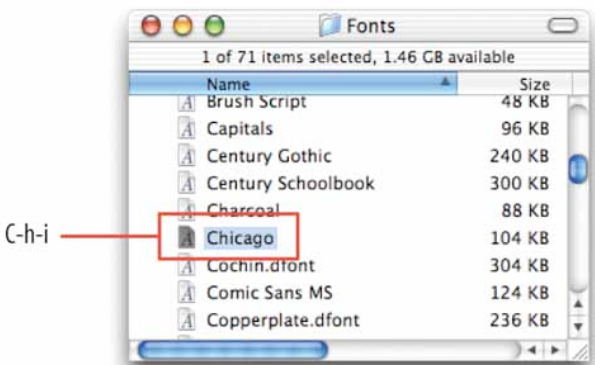
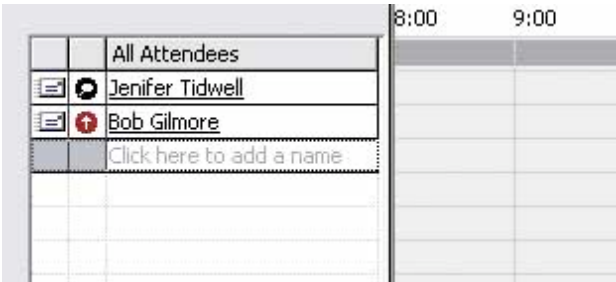
Jump to Item



A screenshot of a Mac OS X 'Fonts' window. The window title is 'Fonts'. Below the title bar, it says '1 of 71 items selected, 1.46 GB available'. The font list is as follows:

Name	Size
Brush Script	48 KB
Capitals	96 KB
Century Gothic	240 KB
Century Schoolbook	300 KB
Charcoal	88 KB
Chicago	104 KB
Cochin.dfont	304 KB
Comic Sans MS	124 KB
Copperplate.dfont	236 KB

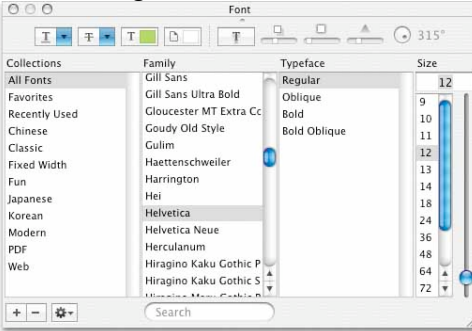
The 'Chicago' font is highlighted with a blue selection bar. A red rectangle is drawn around the 'Chicago' entry, and a red arrow points from the text 'C-h-i' to this rectangle.

[illegible]

Selecting a Font

The screenshot shows the 'Font' menu in a Mac OS X application. The menu is organized into four columns: Collections, Family, Typeface, and Size. The 'Helvetica' font is selected in the Family column. The 'Size' column shows a slider set to 12. The 'Style' column shows 'Regular' selected.

Collections	Family	Typeface	Size
All Fonts	Gill Sans	Regular	12
Favorites	Gill Sans Ultra Bold	Oblique	9
Recently Used	Gloucester MT Extra Condensed	Bold	10
Chinese	Goudy Old Style	Bold Oblique	11
Classic	Gulim		12
Fixed Width	Haettenschweiler		13
Fun	Harrington		14
Japanese	Hei		18
Korean	Helvetica		24
Modern	Helvetica Neue		36
PDF	Herculanum		64
Web	Hiragino Kaku Gothic Pro		72
	Hiragino Kaku Gothic Pro		
	Hiragino Maru Gothic Pro		



Tree Table

Subject	From	Sent	Size
 local maxima?	Yuri Strukov	6/3/2002 12:16 PM	1KB
 Problems with for loops...can someone help??	Liz Montabana	6/3/2002 12:18 PM	1KB
 Re: Problems with for loops...can someone help??	Dan Hensley	6/3/2002 12:36 PM	2KB
 Re: Problems with for loops...can someone help??	Elizabeth Mont...	6/3/2002 1:10 PM	2KB
 Changing the "zero" element in sparse matrices	Giampiero Salvi	6/3/2002 1:31 PM	1KB
 Re: Changing the "zero" element in sparse matrices	Cleve Moler	6/3/2002 2:20 PM	1KB
 Re: Changing the "zero" element in sparse matrices	Lars Gregersen	6/3/2002 5:01 PM	2KB
 Determining the number of Simulink Systems open?	Joshua Stiff	6/3/2002 2:08 PM	1KB

Subject	From	Sent	Size
local maxima?	Yuri Strukov	6/3/2002 12:16 PM	1KB
Problems with for loops...can someone help??	Liz Montabana	6/3/2002 12:18 PM	1KB
Re: Problems with for loops...can someone help??	Dan Hensley	6/3/2002 12:36 PM	2KB
Re: Problems with for loops...can someone help??	Elizabeth Mont...	6/3/2002 1:10 PM	2KB
Changing the "zero" element in sparse matrices	Giampiero Salvi	6/3/2002 1:31 PM	1KB
Re: Changing the "zero" element in sparse matrices	Cleve Moler	6/3/2002 2:20 PM	1KB
Re: Changing the "zero" element in sparse matrices	Lars Gregersen	6/3/2002 5:01 PM	2KB
Determining the number of Simulink Systems open?	Joshua Stiff	6/3/2002 2:08 PM	1KB

Multi-Y Graph

The chart displays two Relative Strength Index (RSI) values over time. The top chart shows the RSI(14) for the S&P 500, with values ranging from 7.1 to 8.3. The bottom chart shows the RSI(14) for the Dow Jones Industrial Average, with values ranging from 0 to 100. Both charts show a general upward trend in the RSI values over the period.

Relative Strength Index(14) — @BigCharts.com



Small Multiples

Given : depth

100 200 300 400 500 600

165 175 185

165 175 185

165 175 185

165 175 185

165 175 185

long

-35 -30 -25 -20 -15

165 175 185

165 175 185

165 175 185

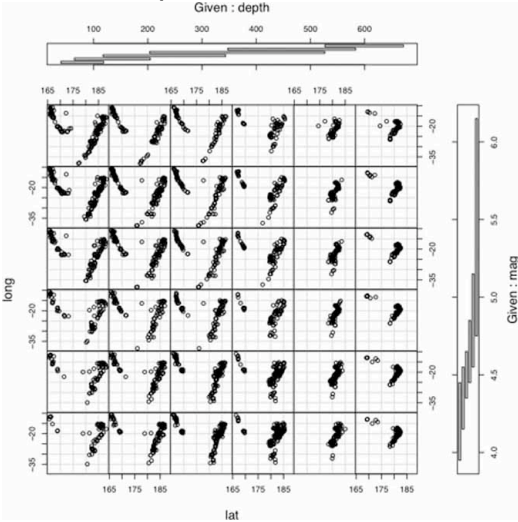
165 175 185

165 175 185

lat

Given : mag

4.0 4.5 5.0 5.5 6.0



Treemap



Getting input from users: Forms and controls (11)

Forgiving Format

Structured Format

Fill-in-the-Blanks

Input Hints

Input Prompt

Autocompletion

Dropdown Chooser

Illustrated Choices

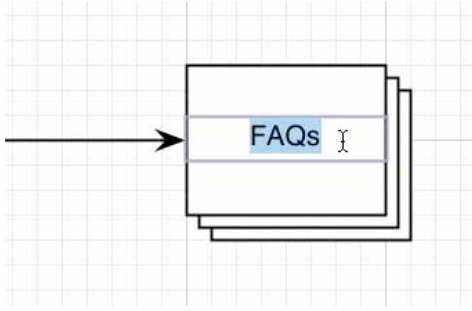
List Builder

Good Defaults

Same-Page Error Messages

Builders and editors (9)

Edit-in-Place



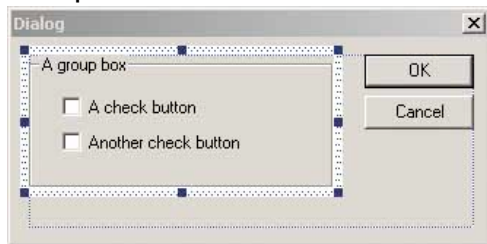
Smart Selection

"There's no place
like home."

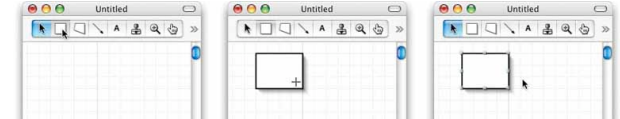
"There's no place
like home."

"There's no place
like home."

Composit Selection



One-Off Mode



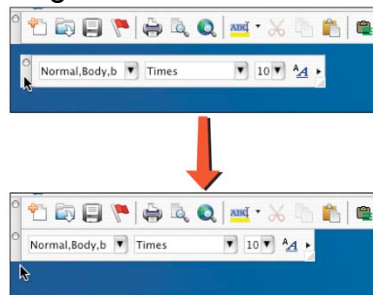
Spring-Loaded Mode



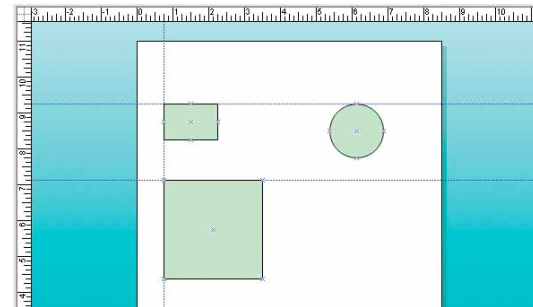
Constraint Resize



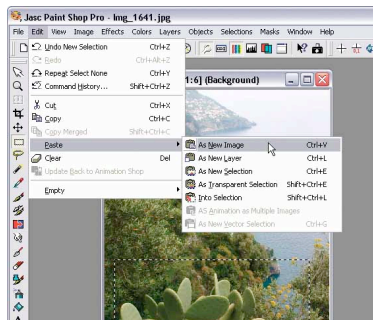
Magnetism



Guides

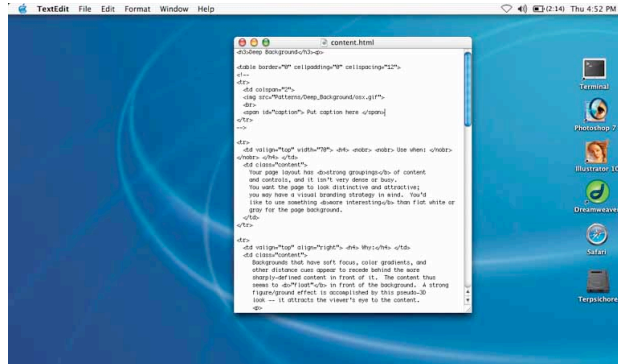


Paste Variations

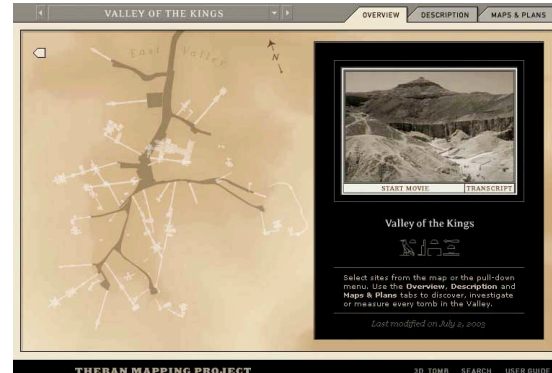


Making it look good: Visual style and aesthetics (7)

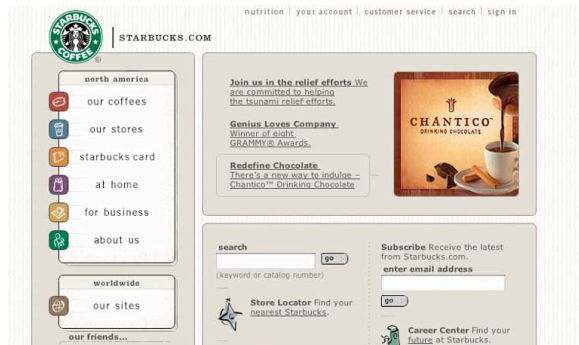
Deep Background



Few Hues, Many Values



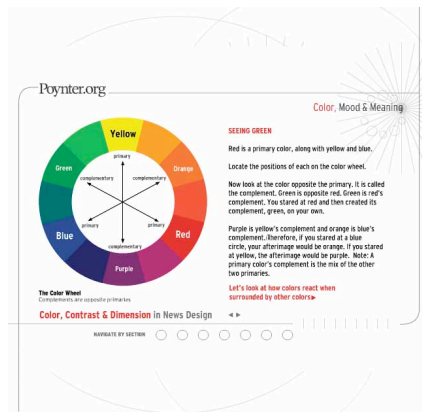
Corner Treatments



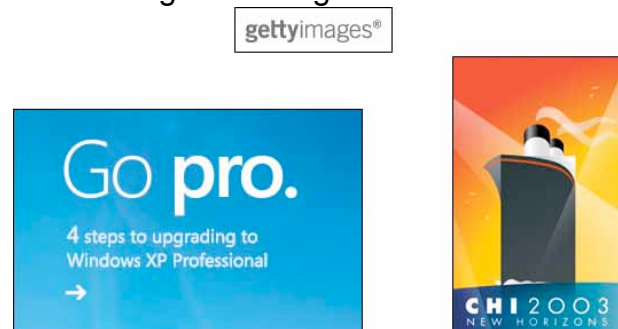
Borders That Echo Fonts



Hairlines



Contrasting Font Weights



Skins

