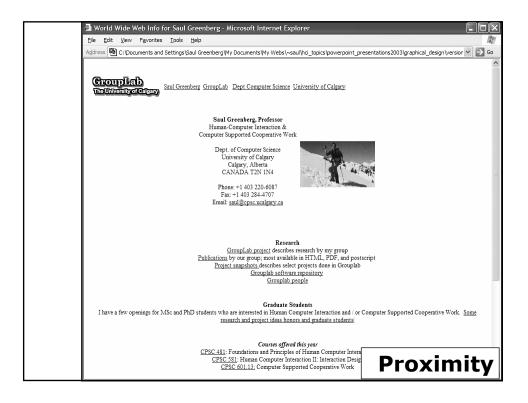
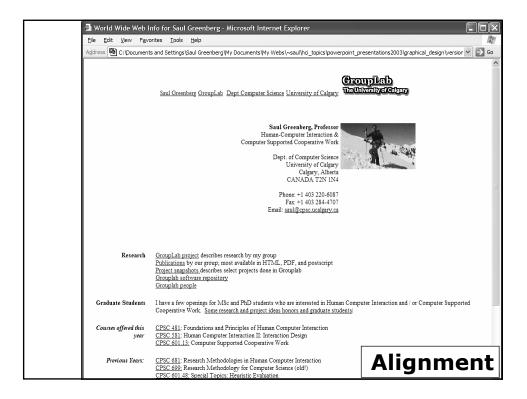


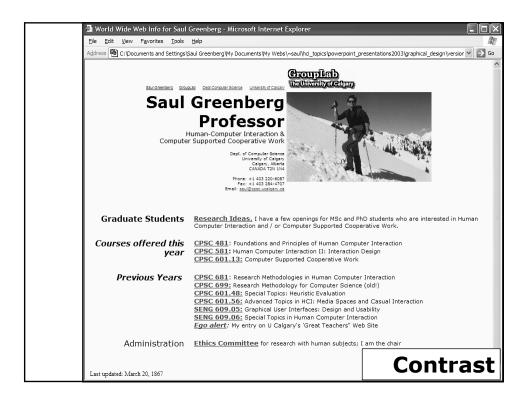
🖄 World Wide Web Info for Saul Greenberg - Microsoft Internet Explorer	. DX
Elle Edit View Favorites Iools Help	N.
Address 🖥 C: \Documents and Settings \Saul Greenberg \My Documents \My Webs \~saul \hci_topics \powerpoint_presentations 2003 \graphical_design \index. I 👻	
A first lesson in Graphical Design	~
Contrast	
Repetition	
Alignment	
Proximity	
Example: <u>this page</u> ,	
home page	
Original Proximity.2. Alignment.3 Contrast.4 Repetition.5	
	~

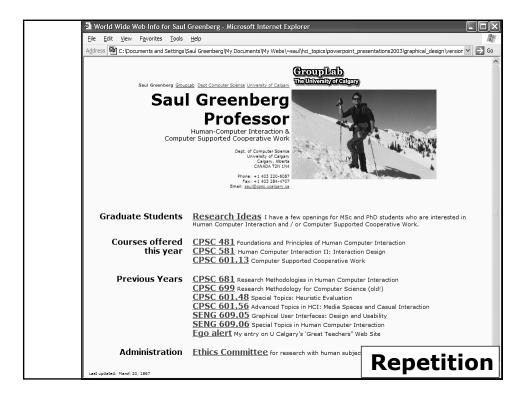
🚰 World Wide Web Info for Saul Greenberg - Microsoft Internet Explor	er 📃
Eile Edit View Favorites Tools Help	
Address T:\Documents and Settings\Saul Greenberg\My Documents\My Webs\~saul\ r	nci_topics \powerpoint_presentations2003 \graphical_design \exampl 💟 🚦
A First Lesson in	
Graphical Design	
-- -	
Contrast	Example This pac
Contrast	Saul's Home Pac
Repetition	Proxim Alignime
	<u>Contra</u> <u>Repetitic</u>
Alignment	
A lignment	
Proximity	
roximity	

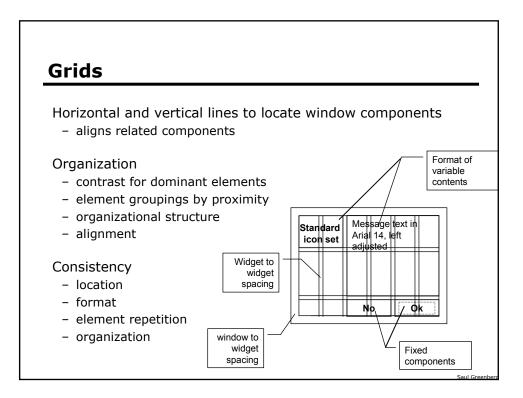
🐴 World Wide Web Info for Saul Greenberg - Microsoft Internet Explorer	
Ele Edit View Favorites Tools Help	R.
Address 🚳 C:\pocuments and Settings\Saul Greenberg\My Documents\My Webs\~saul\hd_topics\powerpoint_presentations2003\graphical_design\versior 🗙	→ Go
Croupleb ubultivisity of Calgary Saul Greenberg GroupLab Dept Computer Science University of Calgary	
Saul Greenberg, Professor Human-Computer Interaction & Computer Supported Cooperative Work Dept. of Computer Science University of Calgary Calgary, Alberta CANADA T2N IN4 Phone: +1 403 220-6087 Fax: +1 403 284-4707 Email: <u>saul@cepsc.ucalgary.ca</u>	III
Research	
GroupLab project describes research by my group	
Publications by our group; most available in HTML, PDF, and postscript	
Project snapshots describes select projects done in Grouplab	
Grouplab software repository	
Grouplab people	
Graduate Students	
I have a few openings for MSc and PhD students who are interested in Human Computer Interaction and / or Computer Supported Cooperative Work. Some research and project ideas honors and graduate students	
	al
CPSC 481: Foundations and Principles of Human Computer Intera	

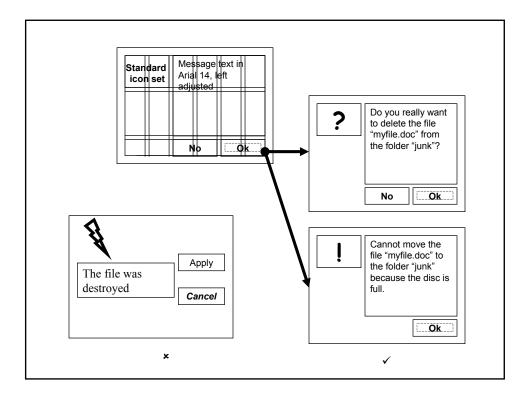


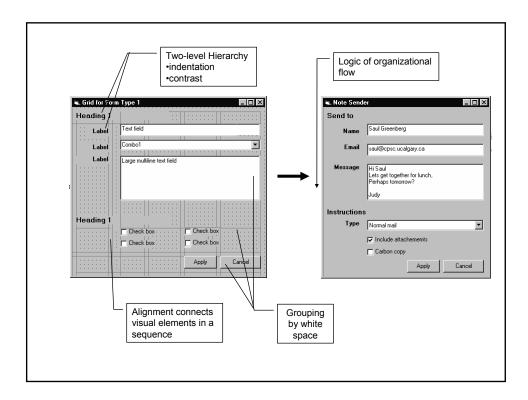


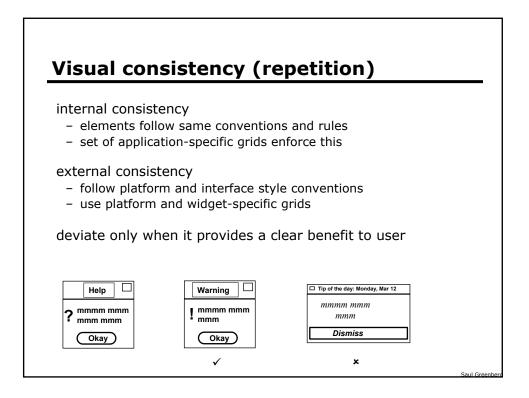












Relating scree	n elements	
proximal clusters alignment white (negative) space explicit structure	2	
Mmmm:	Mmmm:	Mmmm:
Mmmm:	Mmmm:	Mmmm:
Mmmm:	Mmmm:	Mmmm:

Form Title (appears above URL in most Q&D Software Development Order Desk Form Heading (appears at to	op of Web page in bold type)	Backgound Color: FFFBF0 Text Color:	
Q&D Software Development Order Desk	🔀 Center	000080	
E-Mail respones to (will not appear on	Alternate (for mailto forms only)	Background Graphic	
dversch@q-d.com			
Text to appear in Submit button	Text to appear in Reset button	O Mailto	
Send Order	Clear Form	ian 💿 💿	
Scrolling Status Bar Message (max length = 200 characters)			
/WebMania 1.5b with Image Map Wizard is here!!			
KK Prev Tab		Next Tab >>	
Terrible alignment – no flow			
Poor contrast - cannot distinguish colored labels from editable fields			
Poor repetition – buttons do not look like buttons			
Poor explicit structure – blocks compete with alignment Webforms			

	Advanced FAX Settings	
	Aptiva Communication Center	
	Speaker setting	
No regard for order and	O On In Un until connect C Off	
organization	Wait 45 👗 seconds for connection	
	Retry after 60 seconds Number of retries 3	
	Resolution	
	Fine O <u>S</u> tandard	
	Maximum transmit rate: 14400 bps	
	Paper size: Letter (8½ x 11 in)	
	Use custom editor: xe C:\Phoenix\fax_inst.wii" Bromse	
	Save Cancel <u>H</u> elp	
IBM's Aptiva Communication Center		

	xhustoni 2.0 Reta 2 Server: pimer_bb Corp
	and a server other boccorp
	Load V Store Submit View Print V Reset V Props Gen. Help V
Haphazard layout	Bug Id: Cc: Mode : Edit Create Update lists
	Category >> = Priority: 1 2 3 4 5
	(Subcategory) Severity: 1 Z 3 4 5
	Resp Mgr Bug/Rfe: bug rfe
	State
	Synapsis:
	Keywords:
	Description (Work around) (Suggested fix) (Comments) (Public summary)
	State triggers:
	(Evaluation)
	(Commit to fix in rel
	(Fixed in releases
	(Integrated in releases)
	Verified In raleases,
	Incomplete because
	Root cause
	(Fix affects docs b)
	Duplicate of: Interest list:
	Patch id: See also (bugids):
	History:
	Submitter : Date:
	Generic SYR4 problem?: no yes
	Dispatch operator : Date:
	Evaluator : Date:
	Commit operator : Date;
	Elv ondestor
Mullet & Sano	

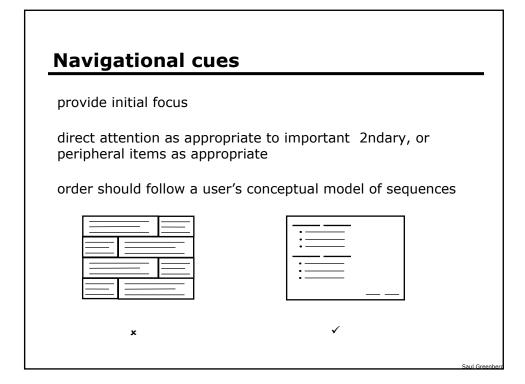
	ि छ <u><u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u></u></u>
	Report v View v Props v Help v Mode: Create Edit
Repairing the layout	Bug ID: 🔍 Type: Bug _ RFE
	Category: 😨 XView
	Subcategory: V ilbrary Priority: 1 2 3 4 5
	Release: 👽 1.0 Severity: 1 2 3 4 5
	Status: 📖 Submitted
	Synepsis:
	Keywards:
	Pub Summary:
	See also:
	Interest List:
	Description Work Around Suggested Fix Comments Evaluation
	*
	Root Cause: 🔽 documentation-confusing
	Same as:
	Flags: 🔲 Fix Affects Documentation
	Generic SV84 Problem
Mullet & Sano	

PrintMonitor Printing Picture 4 @ Immediate Gratificatio	Spatial Tension
Waiting	₩ ↔ (d)
Cancel Printing Set Print 1 Printing Status: Picture 4 Pages To Print: 2 Looking for LaserWriter "Immediate Gratif	Preferences Snap to point Transform pattern tiles Scale line weight Preview and print patterns Type Preferences
	Show placed images Progressive Colors Split long paths on Save/Print Progressive Colors
(a)	Constrain angle: 0.05 in O Tile imageable areas
N NN NNN	Cursor key distance: 0.014 in O Tile full page
	Freehand tolerance: 2 pixels Ruler units Auto Trace over gap: 0 pixels © Inches
(b) Mullet & Sano	Autput resolution: dpi OPicas/Points

	Sort			
	First Sort Sort By:	Second Sort Sort By:	Third Sort Sort By:	
Footnote	Start Time 🔻	No Sort 🔻	Na Sort 💌	
Maximum Height Per Colum 54.0 pc Numbering Style:	 Ascending Descending 	O Ascending O Descending	 ○ Я+cending ○ Be+cending 	
● Numeric (4) ▼ ○ Custom: *†‡		C.	ancel OK	
Number Format:	Number Format:			
In Main Text:	In Footnote:			
Position: Superscript ▼ Prefix: Prefix: Prefix: Suffix: .\t				
Set Cancel Help Using explicit structure (a) as a crutch				
Mullet & Sano				

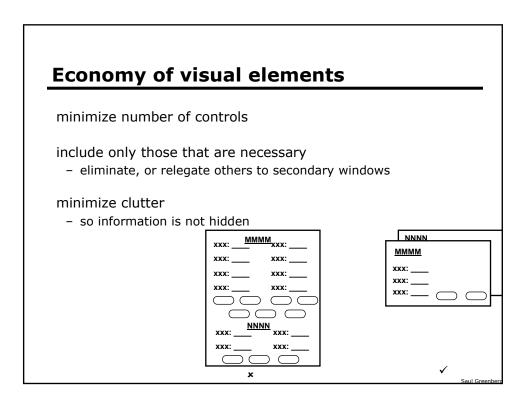
Form to Export: Image: Construction of the export to Access Database Image: Construction of the export to text file (CSV) Image: Purge responses from original table Image: Construction of the exponent of the exponen
VebForms

Selected files: C:\GRAPHICS\GIFCON\VFORM\base9 C:\GRAPHICS\GIFCON\VFORM\base9 C:\GRAPHICS\GIFCON\VFORM\base9 C:\GRAPHICS\GIFCON\VFORM\base9 C:\GRAPHICS\GIFCON\VFORM\base9 C:\GRAPHICS\GIFCON\VFORM\base9 Select Delete How do you chose when you canno screen elements from each other?	✓ Outline_Collapse ✓ Outline_Expand ✓ Outline_Initialize ✓ Popup_Menu_Clea ✓ Popup_Menu_Dela ✓ Popup_Menu_Initia ✓ Popup_Menu_Sela ✓ TreeClear ✓ t discriminate
 GIF Construction Set	Microsoft Access 2.0



Directory: //www./www.iten.jet/weik/Lesking Directory: //www./wullet/work/Deskget/,	View Site of state Load Save Save as Print v
File: Snapshotrs Timer: 0 2 4 8 15 seconds Sister Epile Hide Snapshot During Capture (Snap Wildow) Snap Region Snap Screen (View Snap) (Print Snap o SELECT - Select Window, AD/UST or MENU - Cancel.	File Name:
Redesigning a layout using alignment and fa Mullet & Sano	actoring

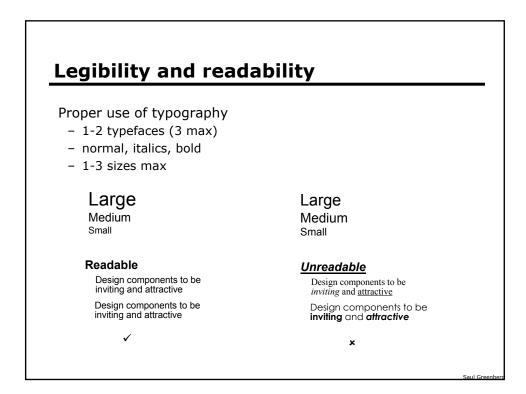
🛱 Image Preferences	🛱 Image Preferences
Image Type: Monochrome Gray Scale Color	Image Type: Monochrome Gray Scale Color
EPSF Quality: Use Preview Image Use Postscript	EPSF Quality: Use Preview Image Use Postscript Greeking: 7.0 pt.
Greeking Text Limit: 7.0 pt.	Options: Auto Backup on Save
Options: Auto Backup on Save Auto Save Every <u>Minutes</u>	(Apply) Cancel (Reset)
(Apply) (Cancel) (Reset)	
The importance of negative space a	and alignment
Mullet & Sano	
	Saul Greenber

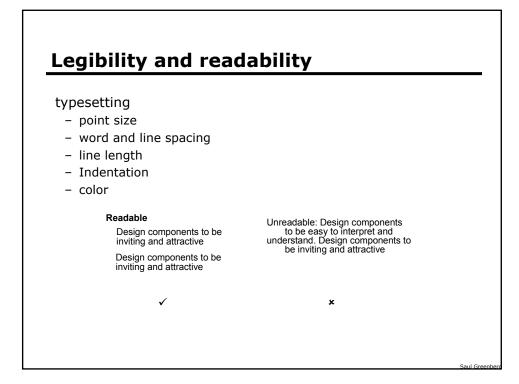


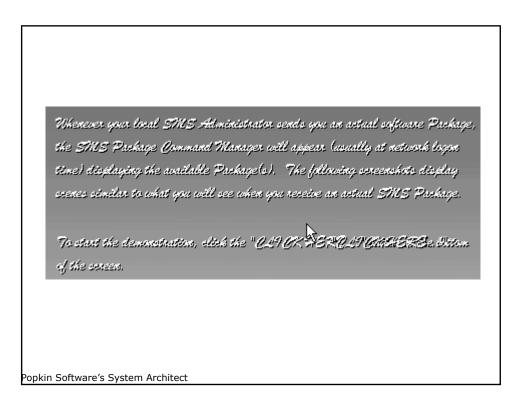
	ø					bugtool propert	tles		
	Update to	•	Reset values in properties :	sheet)		Update tool and .bugtra	qrc file)		
	Configura		Fields		Default Fie		Default Fiel	d Values	
	Create			Create			Category	deskset	
	5		Keywords		E.	Evaluation	Subcategor		
		×	Responsible Manager		6	Commit to fix	Release	3.0 aw_prefcs	
	56	ø	Responsible Engineer		đ	Fixed in	(Hardware (OS version.	4.1.1reub	
	50	Ø	Work Around		ď	integrated in	Priority:	12345	ļ
	56	ø	Suggested fix			Verified in	Severity:	1 2 3 4 5	
	50	ø	Comments		ď	Closed because	Bug/kfs:	bug rfe	ļ
	56	ø	See also		ď	in complete because	Responsible Company: :	Sun Microsystems, inc.	ļ
			Haak 1		đ	Submitter	Employee:		. !
			Hook 2		ď	Dispatch operator	Sun contai	© Bugtool: Properties	h
		ø	Root Cause			Evaluator	се:	Category: 🗹 Default Submission Info	h
		ø	Fix affects documentation			Commit operator	Miscellans Number of r		
	5	ø	Interest list			Fix operator	30 5 4	Hardware Model: 💟 SPARCstation SLC	
			Patch Id			integrating operator	(Text subw	OS Version: 🗹 SunOS 4.1	
		ď	Company			verify operator	Auto upda	Window System: 🛛 OW 3.0	Ш
		ď	Employee			Closeout operator	(View wind) (Start in mo	Company:	
		ď	OS version			Duplicate of	Bug Trag S	Employee:	
			50 number			Old name	Server me	SalesOffice:	
			Sun contect			Change log		Sun Contact:	
	(a)							Apply Reset	
	a)								Į١.
							(6)		3
							(b)	B	2
	Rep	aiı	ring excess	ive	d	isplav dens	sitv		
		~			2	ispia, aon	,		
Mullet & Sano									
									-

View General Edit Print Save Spelling Advanced General options	Save Security Speling and Style View General Edit Print Show Image: Status gene when inserting new slides Image: Status gene Image: Status gene Image: Status gene Image: Status gene Image: Status gene Image: Status gene Image: Status gene Image: Status gene Image: Status gene Image: Status gene Image: Status gene Image: Status gene Image: Status gene Image: Status gene Image: Status gene Image: Status gene Image: Status gene Image: Status gene Image: Status gene Image: Status gene Image: Status gene Image: Status gene Image: Status gene Image: Status gene Image: Status gene Image: Status gene Image: Status gene Image: Status gene Image: Status gene Image: Status gene Image: Status gene Image: Status gene Image: Status gene Image: Status gene Image: Status gene Image: Status gene Image: Status gene Image: Status gene Image: Status gene Image: Status gene Image: Status gene Image: Status gene Image: Status gene Image: Status gene Image: Status gene Image: Status gene Image: Status gene Image: Status gene
Cancel	CKCancel

haracters, symbols, grap oticable and distinguisha	hical elements should be easily ble
Text set in Helvetica	TEXT SET IN CAPITOLS
Text set in Times Roman	Text set in Braggadocio
	Text set in Courier
\checkmark	×

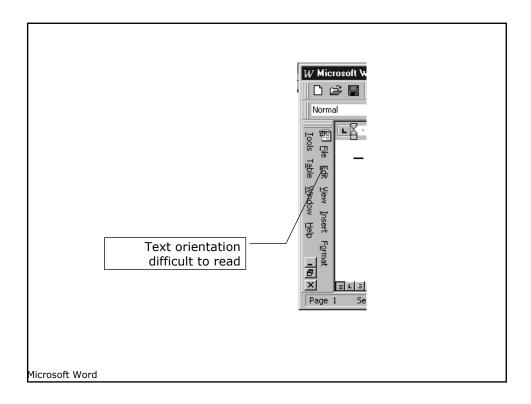


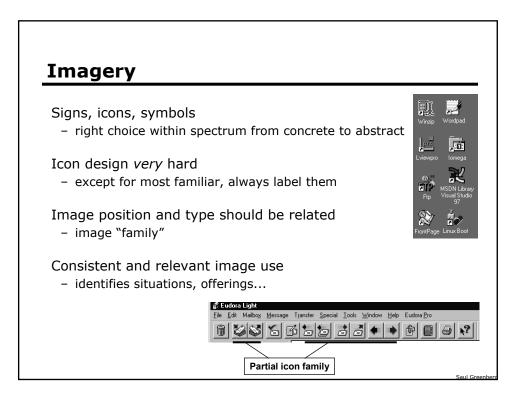


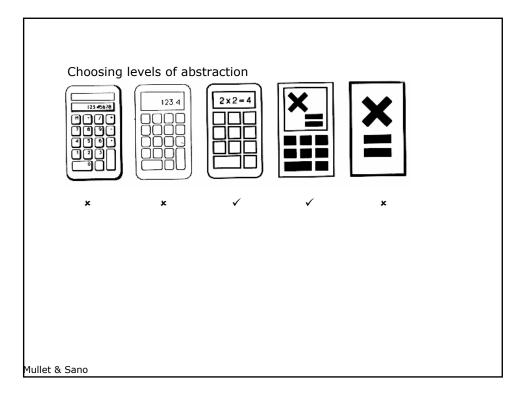


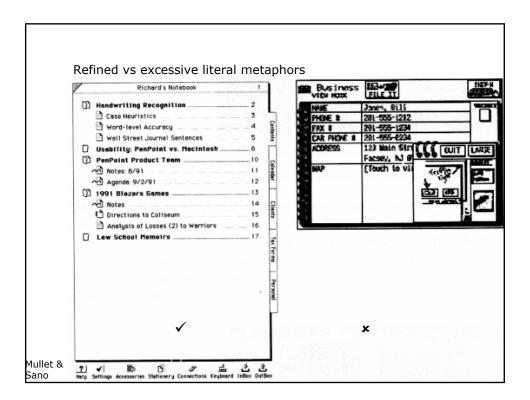
	If you wish to add/change network information, please select one of the following options.
	I WANT TO CONNECT TO AN EXISTING TIME & CHAOS WORKGROUP OR MODIFY THE CONNECTION SETTINGS.
	C I WANT TO BUILD A BRAND NEW WORKGROUP.
	e choices must be really important, e they?
ne & Cł	haos

	Greyed-out example text hard to read. Why not make it black? Appearance samples Positive: \$123,456,789.000 Negative: \$123,456,789.000 Currency symbol: \$ No. of digits after decimal: #
Regional preference	ces in Windows 95

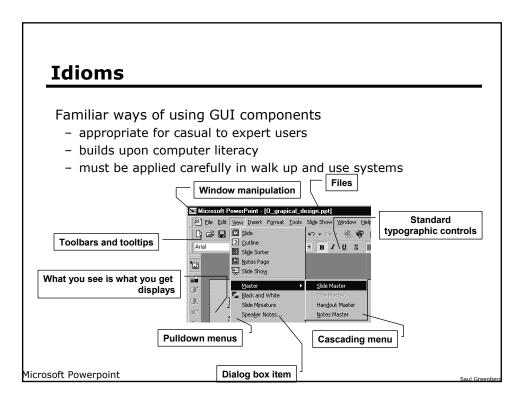








2 GroupWise Guides	
GroupWise Guides	
Return to This Menu	
GroupWise Basics Find out what is new in GroupWise. Learn the basics of messaging and scheduling.	
What do these images mean?no tooltips includedone of the tabs is a glossary explaining which one?	these images!
Novell GroupWise 5.1	





What components must be in the display?

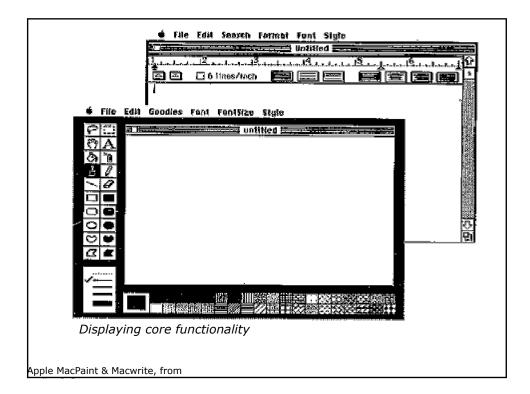
- necessary visual affordances
- frequent actions
 - direct manipulation for core activities
 - buttons/forms/toolbar/special tools for frequent/immediate actions
 - menus/property window for less frequent actions
 - secondary windows for rare actions

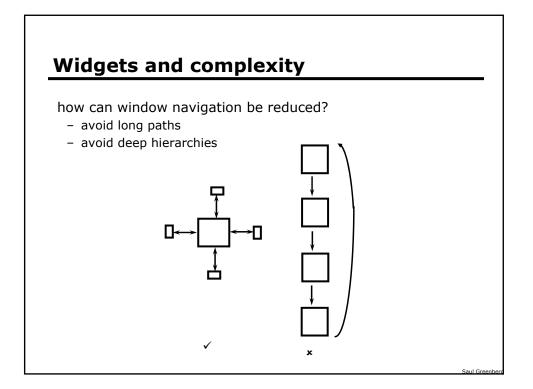
How are components related?

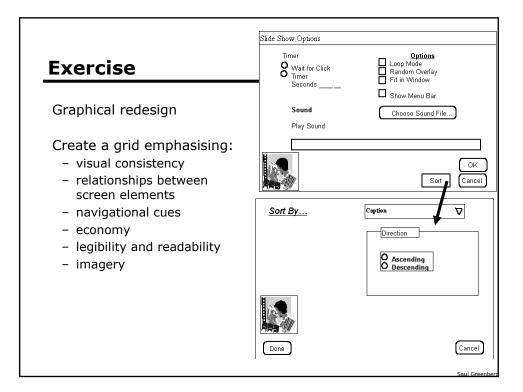
- organize related items as "chunks"

What are familiar and expected idioms?

- cross application look and feel







Constructing a grid

- 1. Maintain consistency with GUI style
 - locate standard components title bar, window controls, ...
- 2. Decide navigational layout + white space + legibility + typography
 - annotated grid shows location of generic components
 - these generic components may have their own grids.

