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Interaction Scenario

Mr. King can see that Sally is already there when he arrives: The Current Visitors list shows her name. When he arrives, his name is added and flashes briefly in red, so Sally notices him arrive and greets him with a chat message. He quickly notes that she has already added several new items---a title page (which is displayed by default in the main view) and a slide show. He selects her name in the Visitors list, and then uses Control+! to see what she is viewing. The miniature window titled Slide Show flashes in red, so he figures she must be working on her slides. Leaving her name selected in the list, he uses Control+F to synchronize his view with hers. His main viewing area updates to display the message, "Slide show being modified." PowerPoint then opens to the side, positioned at the slide she is working on. Mr. King's view of the slides is now controlled by Sally; when she moves to a new slide, so does he. He watches and makes suggestions as she refines the slides, using the text chat.

Sally tells Mr. King that several elements in the template are still empty, but that she has developed most of her material and is about to upload it. Because he is still synchronized with her, he is able to watch this process. She selects a template icon, then selects Get File from the Construction menu. A familiar file-browsing dialog box appears, and he watches as she selects the files from her PC and then presses the Upload button. After each upload, the miniaturized window updates and flashes in red briefly.

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Example: Word 97 print	
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I: Control in the initial initinitialininitia initialininitia initial initia initial initial ini	
nive C Current page C Selection C Pages: Dffit Like Enter page numbers and/or page ranges separated by commas. For exemple, 1,3,5–12	
2006 Print what: Document Print: All pages in range et y gptions OK Cancel	
Tuccess.	30







Direct manipulation

- Graphical objects on the screen are directly manipulated with a pointing device.
- Physical actions or labeled button presses instead of complex syntax.
- Rapid, incremental, reversible operations with immediately visible impact.
- Direct manipulation requires bitmapped screens so that each picture element or pixel can be used for input and output, and a pointing device.



Horton's checklist for icon designers

- Understandable. Spontaneously suggest the intended concept to the viewer?
- Familiar. Objects in the icon ones familiar to the user?
- Unambiguous. Are additional cues (label, other icons documentation) available to resolve any ambiguity?
- Memorable. Feature concrete objects in action?
- Informative. Why is the concept important?
- Few. Is the number of arbitrary symbols less than 20?
- Distinct. Is every icon distinct from all others?
- Attractive. Does the image use smooth edges and lines?
- Legible. Test all combinations of color and size?
- Compact. Is every object, every line, every pixel necessary?
- Coherent. Is it clear where one icon ends and another begins?
- Extensible. Can I draw the image smaller? Will users still recognize it?











	out co	lumns	
Laying		lamis	
sherbert	75	sherbert	75
toffee	120	toffee	20
chocolate	35	chocolate	35
fruit gums	27	fruit gums	27
coconut dreams	85	coconut dreams	85
Hard to scan ac	oss cols		-
()		(ii)	
sherbert	75	sherbert	75
toffee	120	toffee 1	20
chocolate	35	chocolate	35
fruit gums	27	fruit gums	27
coconut dreams	85	coconut dreams	85
	1200000000		



Designing with color

Marcus '92

- Use a maximum of 5 +/- 2 colors.
- Use foveal (central) and peripheral colors appropriately.
- Use a color area that exhibits a minimum shift in color and/or size if the color area changes in size.
- Rule 5. Use familiar, consistent color codings with appropriate references.
- Color connotations can vary dramatically even within a culture.
 - E.g., blue in the US is interpreted different by different groups for healthcare professionals it is taken to indicate death; for movie-goers it is associated with pornography; for accountants it means reliability or corporateness (think of the 'Big Blue' – IBM).

































- Apple Interface Guidelines
- Microsoft Windows UI Guidelines
- IBM's Common User Access
- Motif Style Guide
- Java Look and Feel





TABLE 7 POIR	Mouse Pointers TABLE 7 Pointer Types Available in JDK 1.1 and the Java 2 SDK (200%)							
Pointer	MacIntosh	Windows 95	CDE	Usage In Java Look and Feel Applications				
Default	۹.	k	۹.	Pointing, selecting, or moving				
Crosshair	+	Ť.	+	Interacting with graphic objects				
Hand	27	Ð	ΠŞ	Panning objects by direct manipulation				
Move	0	+‡+	+	Moving objects				
Text	I	I	Ι	Selecting or inserting text				
Wait	Ð	8	Ð	Indicating that an operation is in progress and the user cannot do other tasks				
S Resize	÷	ţ	$\underline{\downarrow}$	Adjusting the lower (southern) border of an object				
N Resize	÷	I	个	Adjusting the upper (northern) border of an object				
E Resize	+	\leftrightarrow	≯	Adjusting the right (eastern) border of an object				





P4 – Design Sketches Due in 1 week (10/19)

 You will explore possible design options, and sketch what your interface will look like.

Interaction Scenarios

 Expand each of your activity design scenarios (3+) into full interaction scenarios, thinking about what the user perceives and the actions he/she performs at each major step in the scenario.

Design Options

• Three options for your most important window or dialog box, and brief rationale for why you selected one over the other two.

Preliminary interface design.

 One or more sketched windows or dialog boxes, along with the menus and controls that the user manipulates.

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