

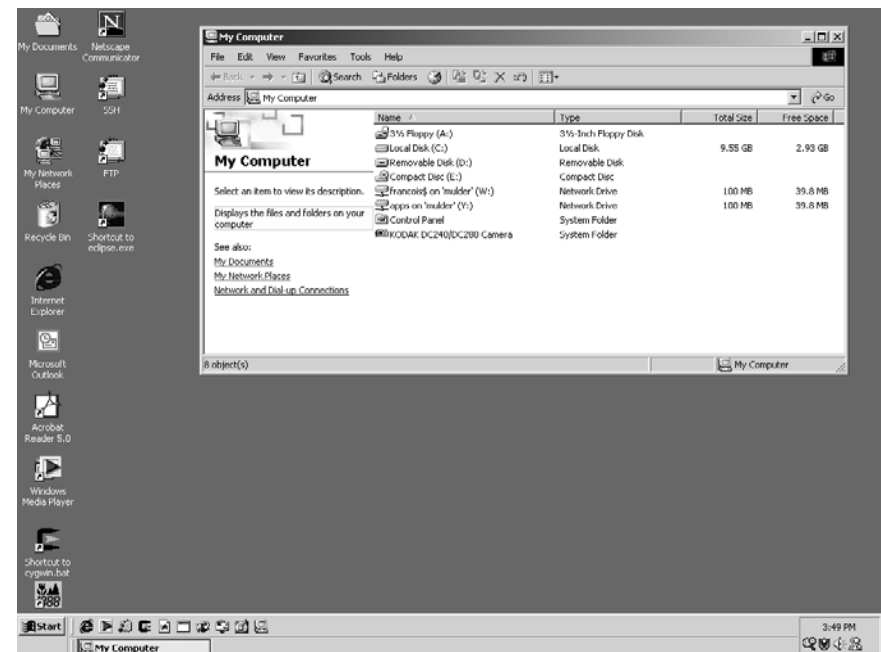
Questions?

- Project #3
 - Flash MX 30 days trial:
 - <http://www.macromedia.com/cfusion/tdrc/index.cfm?product=flash>
 - Tutorial
 - *Lessons inside Flash MX application (Help -> Lessons)*
 - <http://www.flashidea.com/ed285/download.htm>
 - http://www.flashidea.com/ed285/resource_flash.htm
 - Thanks for Sabrina Liao for providing this info
- HW#5

Graphic design

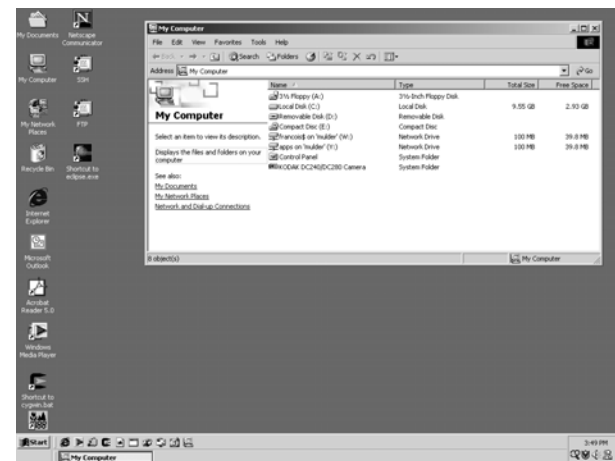
“Designing Visual Interfaces” Mullet and Sano

- Help users find their ways
 - Correct interaction sequencing
 - Correct cognitive model: organization of data, functions, and tasks
 - Consistency
- Provide a distinctive look (and feel)



Component of the visual language

- Layout
 - How the content is structured on the display
- Typography
 - Typefaces & typesetting
- Imagery
 - Visual identity, icons...
- Sequencing
 - How interactions unfold



US National Park Service

Yosemite

Yosemite National Park, California
National Park Service
U.S. Department of the Interior

Official Map and Guide



Yosemite National Park is a large, rugged landscape in the heart of the Sierra Nevada mountains. It is home to some of the most spectacular natural features in the United States, including the world-famous Yosemite Falls, the giant sequoia trees of the Mariposa Grove, and the breathtaking views of the Yosemite Valley. The park is a haven for outdoor enthusiasts, offering a wide range of recreational activities from hiking and climbing to fishing and skiing. The National Park Service is committed to preserving the natural beauty and cultural heritage of Yosemite for future generations.

Vicksburg

Vicksburg National Military Park
Mississippi
National Park Service
U.S. Department of the Interior

About Your Visit

Considered one of the most important battles of the American Civil War, the Siege of Vicksburg was a turning point in the conflict. The battle took place from May 18 to July 4, 1863, and resulted in the Union capturing the city of Vicksburg, Mississippi. The National Park Service is dedicated to preserving the historical significance of the battle and providing visitors with a comprehensive understanding of the events that unfolded. The park features several historic sites, including the Vicksburg National Cemetery, the Vicksburg National Military Park, and the Vicksburg National Battlefield. Visitors can explore the park's rich history through guided tours, exhibits, and educational programs.

Redwood

Redwood National Park
California
National Park Service
U.S. Department of the Interior

Official Map and Guide

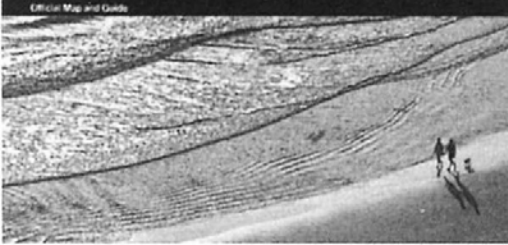


Redwood National Park is a stunning natural landscape in Northern California, home to the world's tallest and oldest trees. The park is a haven for outdoor enthusiasts, offering a wide range of recreational activities from hiking and climbing to fishing and skiing. The National Park Service is committed to preserving the natural beauty and cultural heritage of Redwood for future generations. The park features several historic sites, including the Redwood National Cemetery, the Redwood National Military Park, and the Redwood National Battlefield. Visitors can explore the park's rich history through guided tours, exhibits, and educational programs.

Padre Island

Padre Island National Seashore
Texas
National Park Service
U.S. Department of the Interior

Official Map and Guide

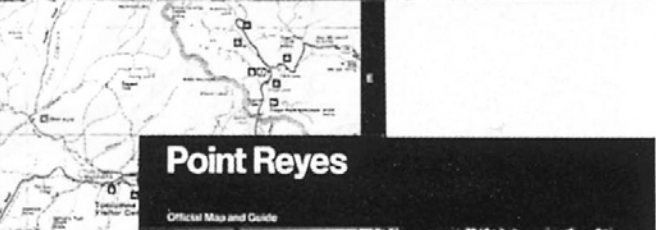


Padre Island National Seashore is a beautiful coastal area in Texas, known for its pristine beaches and dunes. The seashore is a haven for outdoor enthusiasts, offering a wide range of recreational activities from hiking and climbing to fishing and skiing. The National Park Service is committed to preserving the natural beauty and cultural heritage of Padre Island for future generations. The seashore features several historic sites, including the Padre Island National Cemetery, the Padre Island National Military Park, and the Padre Island National Battlefield. Visitors can explore the seashore's rich history through guided tours, exhibits, and educational programs.

Point Reyes

Point Reyes National Seashore
California
National Park Service
U.S. Department of the Interior

Official Map and Guide



Point Reyes National Seashore is a stunning coastal area in California, known for its rugged coastline and diverse wildlife. The seashore is a haven for outdoor enthusiasts, offering a wide range of recreational activities from hiking and climbing to fishing and skiing. The National Park Service is committed to preserving the natural beauty and cultural heritage of Point Reyes for future generations. The seashore features several historic sites, including the Point Reyes National Cemetery, the Point Reyes National Military Park, and the Point Reyes National Battlefield. Visitors can explore the seashore's rich history through guided tours, exhibits, and educational programs.

Parsing visual input



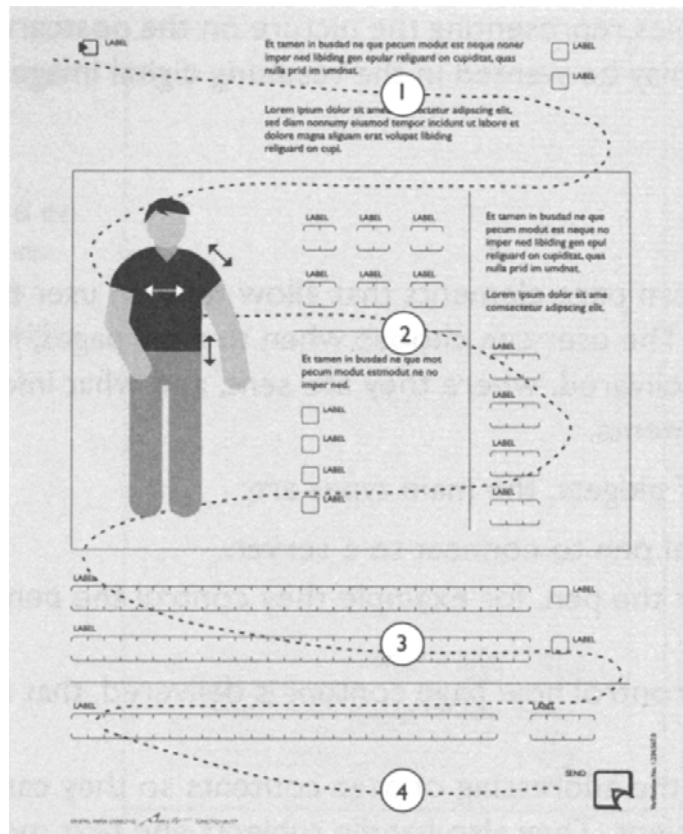
DOROTHEA LANGE. *Tractored Out, Childress County, Texas*. 1938. Gelatin-silver print. The Museum of Modern Art, New York.



PHILIP HENRY DELAMOTTE. *The Upper Gallery of the Crystal Palace, Sydenham, England*. ca. 1853. Salted paper print. Gernsheim Collection, Humanities Research Center, University of Texas, Austin.

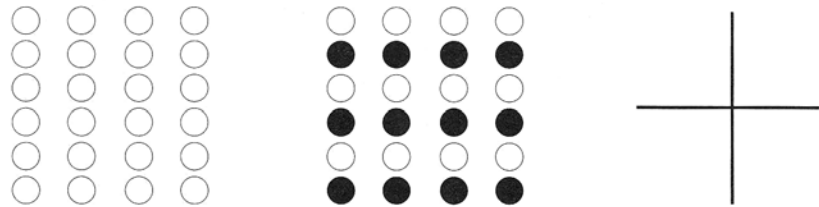
Document parsing

- Anoto design handbook
 - Design of paper based electronic forms

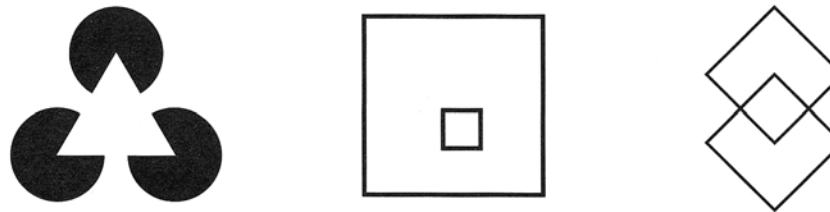


Gestalt principles

- Grouping
 - Proximity, Similarity, continuity

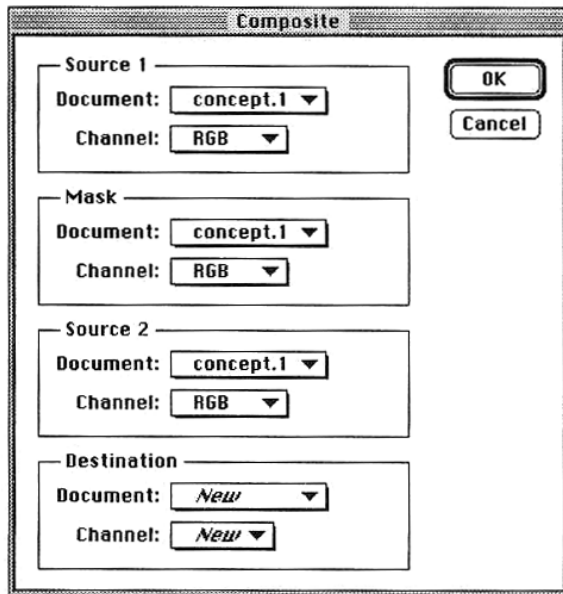


- Form perception
 - Closure, area, symmetry

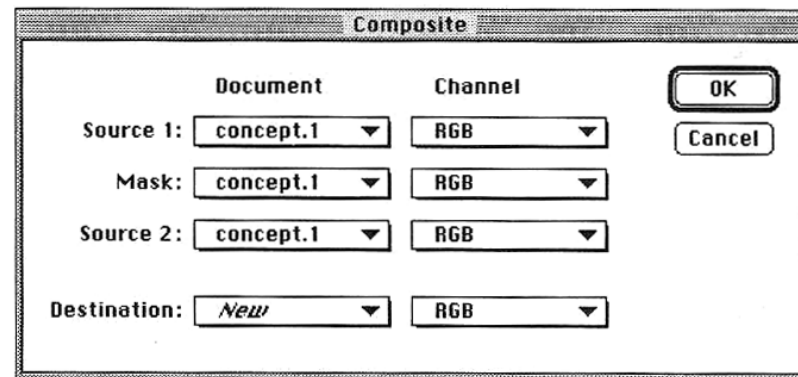


Relating structure: Grouping

- Help users parse the display into sub-units
 - Rely on Gestalt principles
 - Avoid explicit grouping



A screenshot of a 'Composite' dialog box. It features four distinct sections, each enclosed in a rectangular frame. The first section is labeled 'Source 1' and contains 'Document: concept.1' and 'Channel: RGB'. The second section is labeled 'Mask' and contains 'Document: concept.1' and 'Channel: RGB'. The third section is labeled 'Source 2' and contains 'Document: concept.1' and 'Channel: RGB'. The fourth section is labeled 'Destination' and contains 'Document: New' and 'Channel: New'. To the right of these sections are 'OK' and 'Cancel' buttons. The use of frames and labels helps users parse the complex set of options into manageable sub-units.



A screenshot of a 'Composite' dialog box with a flat layout. It lacks the grouped sections seen in the first image. Instead, it has a header with 'Document' and 'Channel' labels. Below this, the options are listed in a single column: 'Source 1: concept.1', 'Mask: concept.1', 'Source 2: concept.1', and 'Destination: New'. Each option is followed by a 'Channel' dropdown set to 'RGB'. 'OK' and 'Cancel' buttons are on the right. This layout relies on Gestalt principles like proximity and alignment for grouping, but it is less explicit than the first design.

Relating structure: Hierarchy

- Provide a context for each piece of information
 - Example: distinctive style for labels

The image shows a software dialog box titled "Pizza: Pizza Pie Properties". It is organized into two main sections: "BOTTOM STUFF" and "TOPPING STUFF".

BOTTOM STUFF

Style: Thin | Thick | crust

Sauce: Regular | Spicy | Pesto

TOPPING STUFF

Toppings:

Meat	Veggies	Other
Ham	Olive	Cheese
Bacon	Pepper	Pesto
Sausage	Onion	Anchovy

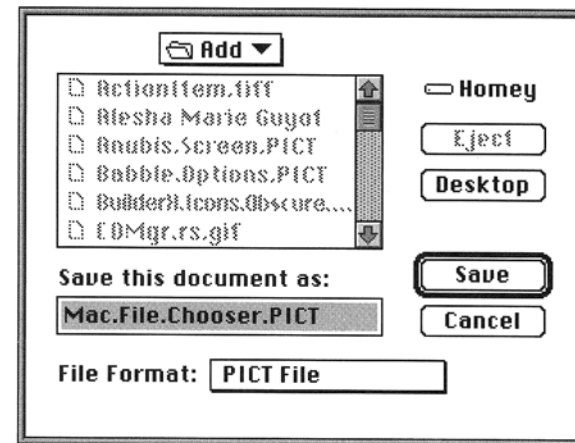
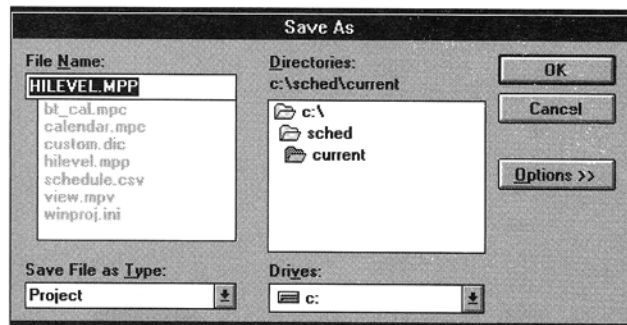
Options:

- ☒ Red Peppers
- ☐ Extra Cheese

At the bottom of the dialog are two buttons: "Apply" and "Reset".

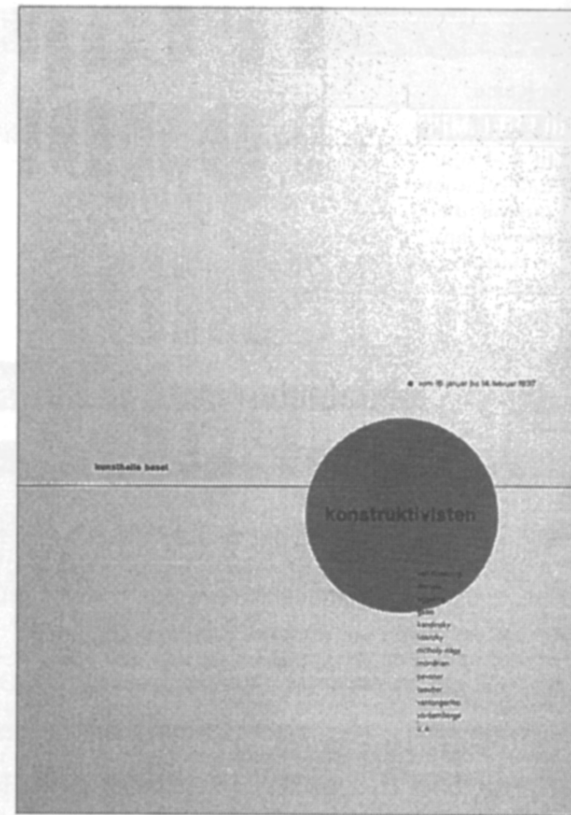
Relating structure: Relationship

- Parallel presentation and relationship
 - Example: present folder before its content



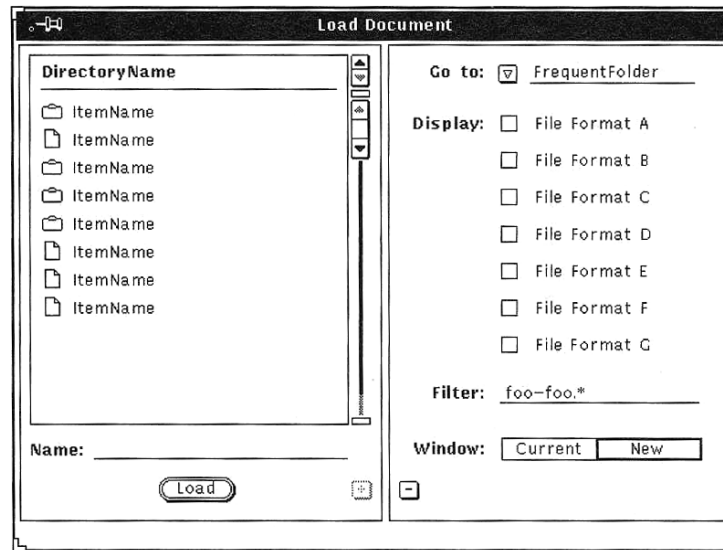
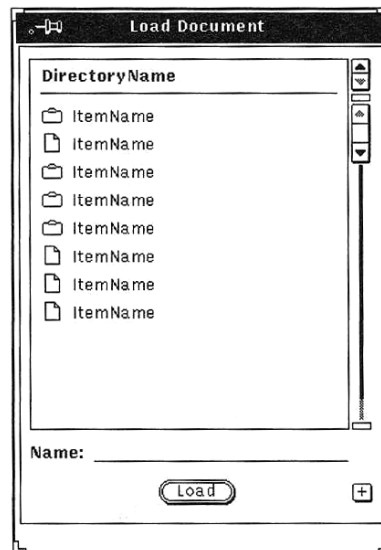
Relating structure: Balance

- Harmonious global arrangement
 - Can be symmetrical or asymmetrical



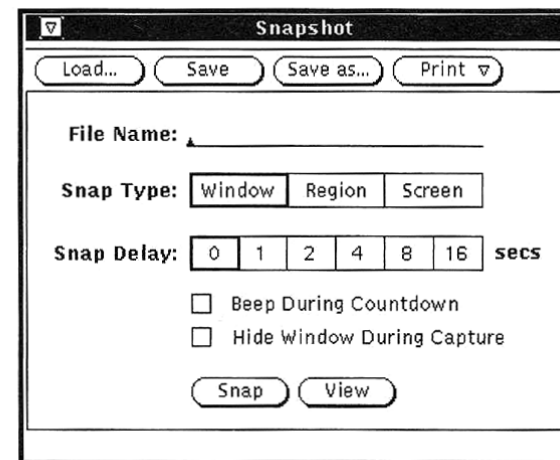
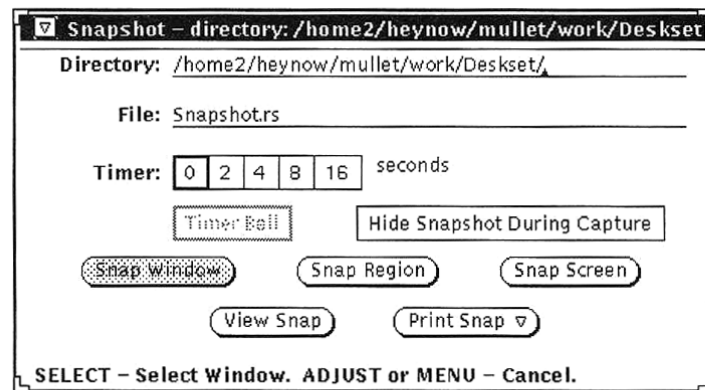
Tool: Symmetry

- Center information around the axis of symmetry
 - Balance
 - Vertical axis more prevalent



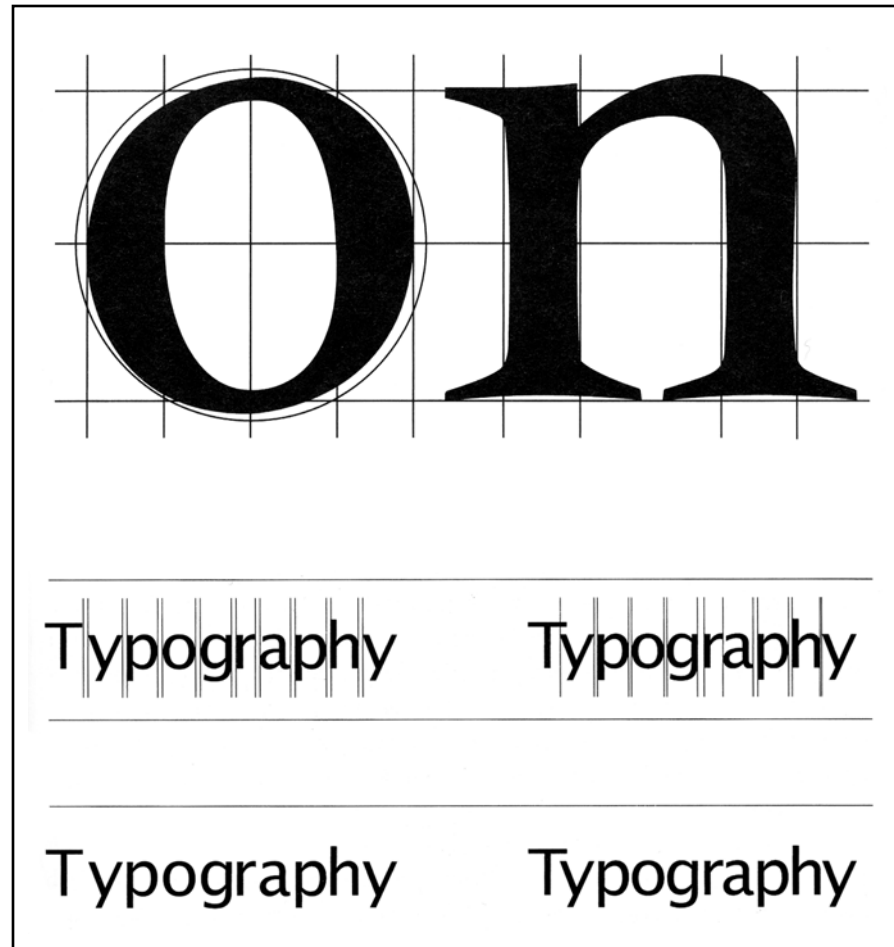
Tool: Alignment

- Enhance boundaries and grouping
- Pay attention to false alignment
 - Almost but not quite aligned
 - Free standing objects
 - Be aware of optical adjustment



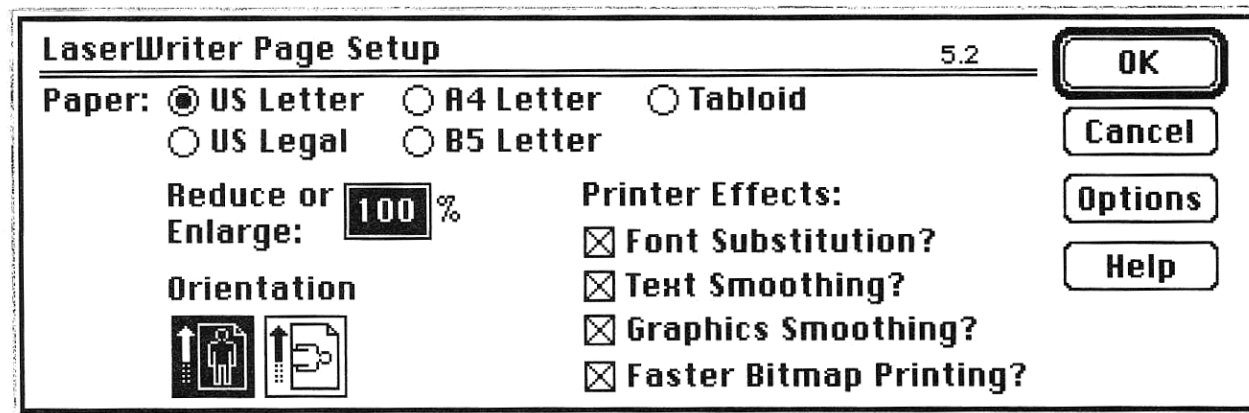
Tool: Alignment

- Example of optical adjustment



Tool: Negative space

- The ground on which the design appears
- Enhance the structure of the display
 - Reduce the use of border



Tool: Occam's razor

“Entities should not be multiplied unnecessarily”

“In anything at all, perfection is finally attained not when there is no longer anything to add, but when there is no longer anything to take away.”

Antoine de Saint Exupery

Redesign example

xbugtool 2.0 Beta 2 Server: elmer-bb.Corp

Load ▾ Store ▾ Submit ▾ View ▾ Print ▾ Reset ▾ Props ▾ Gen. Help ▾

Bug ID: _____ Cc: _____ Mode: Edit Create Update lists

Category: ▾ Priority: 1 2 3 4 5
Subcategory: _____ Severity: 1 2 3 4 5
Resp Mgr: _____ Bug/Rfe: bug rfe
State: ▾ Responsible Engineer: _____

Synopsis: _____
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 releases...
Closed because ▾
Incomplete because ▾

Root cause...
Fix affects docs ▾

Duplicate of: _____ Interest list: _____
Patch id: _____ See also (bugids): _____

History:

Submitter : _____ Date: _____
Generic SVR4 problem?: no yes
Dispatch operator : _____ Date: _____
Evaluator : _____ Date: _____
Commit operator : _____ Date: _____
Fix operator : _____ Date: _____

(a)

Bugtool

Report ▾ View ▾ Props ▾ Help ▾ Mode: Create Edit

Bug ID: ▾ Type: Bug RFE
Category: ▾ XView Priority: 1 2 3 4 5
Subcategory: ▾ library Severity: 1 2 3 4 5
Release: ▾ 1.0
Status: ☒ Submitted
Synopsis: _____
Keywords: _____
Pub Summary: _____
See also: _____
Interest List: _____

Description Work Around Suggested Fix Comments Evaluation

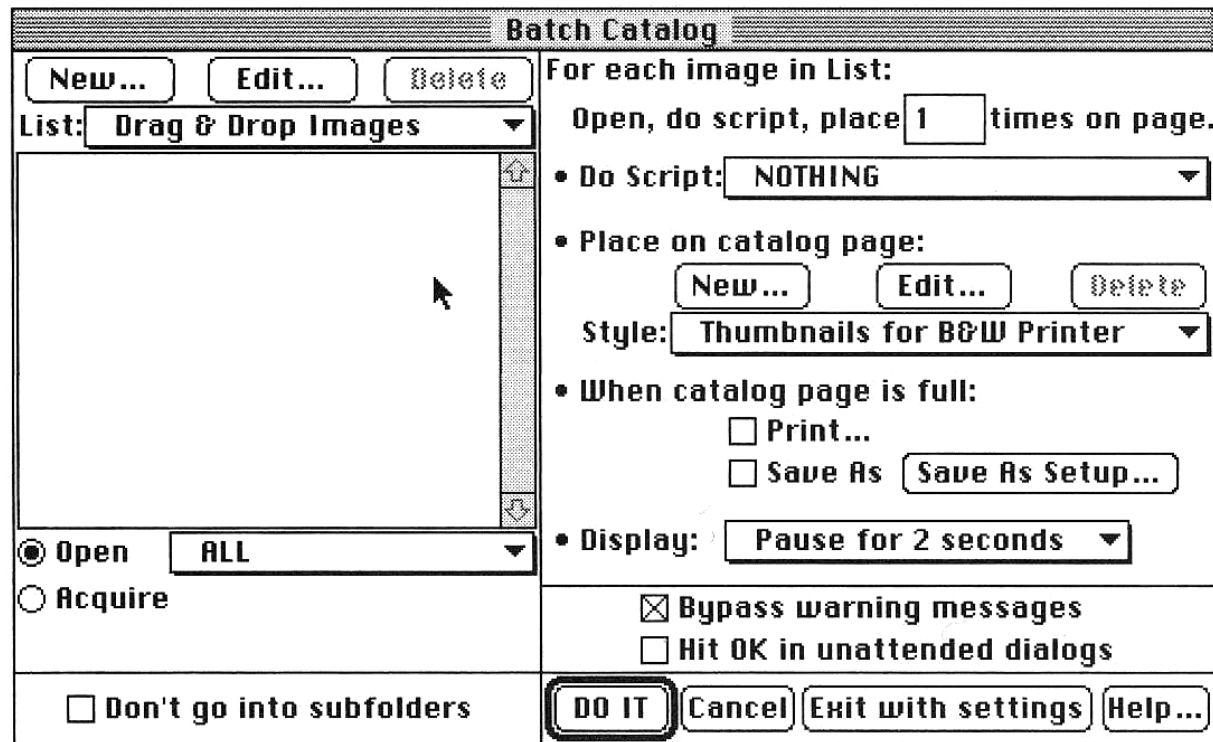
+

Root Cause: ☒ documentation-confusing
Same as: _____
Resp Mgr: ☒ none Hook 1: _____
Resp Engr: ☒ none Hook 2: _____

Flags: ☐ Fix Affects Documentation
☐ Generic SVR4 Problem

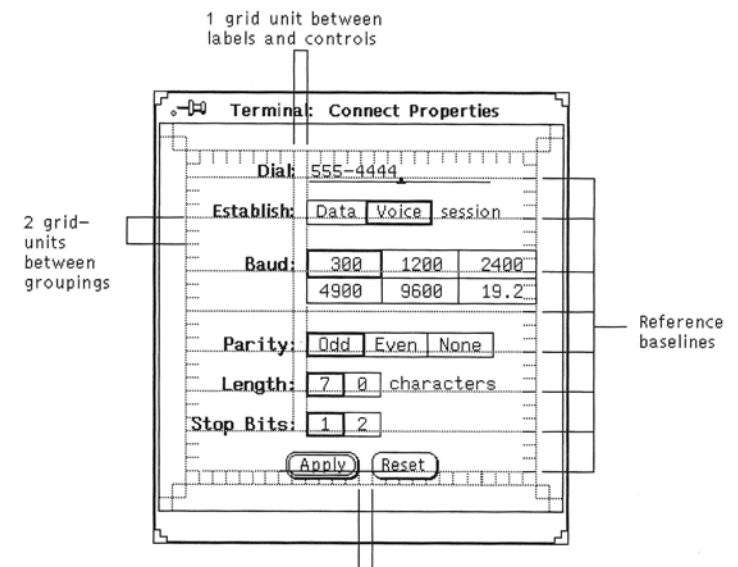
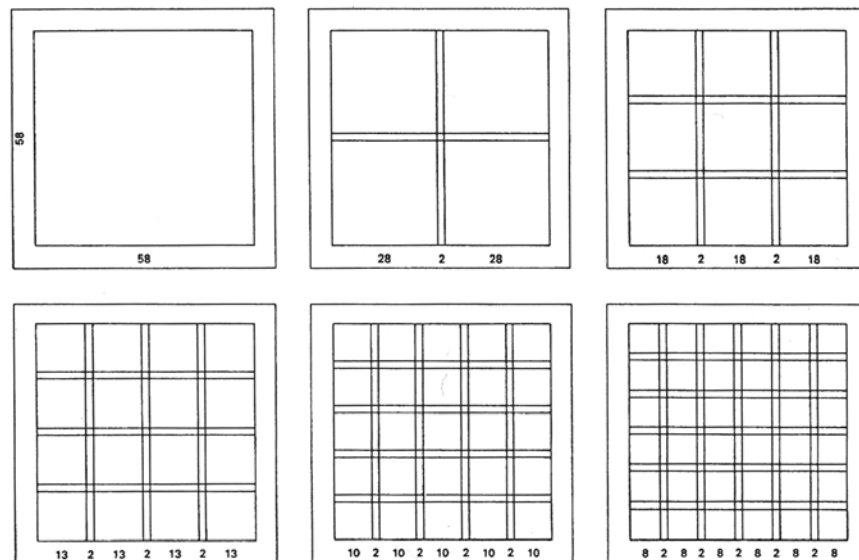
(b)

What not to do!



Consistency

- Internal
 - Inside an application
- External
 - Platform and interface guideline conventions
- Using grids



Grid example: US National Park Service

