

The design of visual information

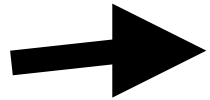
Anthony Hornof

October, 2003

February, 2011

October, 2014

Three main points on the design of visual information



- Make sure the information that the user will need is readily available.
- Organize the information so that it is presented in a manner that is easy for the user to access (given fundamental perceptual-cognitive-motor abilities).
- Always keep in mind what is the user's task, and how it will unfold over time.

Is this a good interface?

The screenshot shows a web browser window with the address bar displaying `uocatalog.uoregon.edu/arts_sciences/`. The browser's address bar also shows a search engine (Google) and navigation icons. The browser's tabs include "College of Arts and Scienc...", "Teaching at UO", "IHE Essay on how coll...", and "Miscellaneous".

The main content area features a large green banner with the University of Oregon logo (a yellow 'O' on a green shield) and the text "2014-15 CATALOG". Below the banner is a navigation menu with the following items: MAJORS | MINORS | GRADUATE MAJORS | CERTIFICATES | GENERAL-EDUCATIC.

The page content includes a breadcrumb trail: Home > College of Arts and Sciences. The main heading is "College of Arts and Sciences". Below the heading are two buttons: "Overview" and "College Scholars". The URL cas.uoregon.edu is displayed. The page also lists the Acting Dean, W. Andrew Marcus, with contact information: 541-346-3902 and 114 Friendly Hall.

The page contains several paragraphs of text describing the College of Arts and Sciences and the University of Oregon's liberal arts curriculum.

The fundamental academic mission of the college is to foster a solid and broad general education, which includes the

The task is to click on the CIS link or search the catalog.

The screenshot shows a web browser window with the address bar displaying uocatalog.uoregon.edu/arts_sciences/. The browser tabs include "College of Arts and Scienc...", "Teaching at UO", "Essay on how coll...", and "Miscellaneous". The page features a green and yellow header with the University of Oregon logo and the text "2014-15 CATALOG". Below the header is a navigation menu with links for MAJORS, MINORS, GRADUATE MAJORS, CERTIFICATES, and GENERAL-EDUCATION. The main content area includes a breadcrumb trail "Home > College of Arts and Sciences", a large green heading "College of Arts and Sciences", and two buttons: "Overview" and "College Scholars". The "Overview" button is highlighted. Below the buttons is the URL cas.uoregon.edu and the name "W. Andrew Marcus, Acting Dean" with contact information: "541-346-3902" and "114 Friendly Hall". The text describes the College of Arts and Sciences as the academic and intellectual hub of the University of Oregon, providing a core liberal arts curriculum to the vast majority of UO undergraduates. It also mentions that the University of Oregon was founded in 1876 on a liberal arts curriculum and is known as the premier liberal arts institution among the state's public universities. The fundamental academic mission of the college is to foster a solid and broad general education.

Home > [College of Arts and Sciences](#)

College of Arts and Sciences

[Overview](#) [College Scholars](#)

cas.uoregon.edu

W. Andrew Marcus, Acting Dean
541-346-3902
114 Friendly Hall

The College of Arts and Sciences is the academic and intellectual hub of the University of Oregon, providing a core liberal arts curriculum to the vast majority of UO undergraduates—even those who will go on to earn a degree in one of the professional schools such as journalism or business.

The University of Oregon was founded in 1876 on a liberal arts curriculum, which has evolved over time to meet the needs of contemporary students. Owing to the breadth and depth of the curriculum provided by the College of Arts and Sciences, the University of Oregon is known as the premier liberal arts institution among the state's public universities.

The fundamental academic mission of the college is to foster a solid and broad general education, which includes the

Support the user's task at the perceptual level.
Make necessary visual information visible.

The image shows a browser window displaying the University of Oregon Catalog website. The browser's address bar shows the URL uocatalog.uoregon.edu/arts_sciences/. The page features a green and yellow header with the University of Oregon logo and the text "2014-15 CATALOG". Below the header is a navigation menu with links for MAJORS, MINORS, GRADUATE MAJORS, CERTIFICATES, GENERAL-EDUCATION COURSES, and APPLY TO THE. The main content area includes a breadcrumb trail "Home > College of Arts and Sciences", the title "College of Arts and Sciences", and two buttons: "Overview" and "College Scholars". A link to cas.uoregon.edu is provided. The contact information for W. Andrew Marcus, Acting Dean, is listed: 541-346-3902, 114 Friendly Hall. A paragraph describes the college as the academic and intellectual hub of the University of Oregon. Another paragraph mentions the university's founding in 1876. On the right side, there is a "SEARCH CATALOG" button and a list of academic programs including African Studies, Anthropology, Asian Studies, Biology, Canadian Studies, Chemistry and Biochemistry, Cinema Studies, Classics, Comparative Literature, Computer and Information Science, Creative Writing, East Asian Languages and Literature, Economics, English, and Environmental Studies.

College of Arts and Sciences

2014-15
UNIVERSITY OF OREGON
CATALOG

MAJORS | MINORS | GRADUATE MAJORS | CERTIFICATES | GENERAL-EDUCATION COURSES | APPLY TO THE

Home > College of Arts and Sciences

College of Arts and Sciences

Overview | College Scholars

cas.uoregon.edu

W. Andrew Marcus, Acting Dean
541-346-3902
114 Friendly Hall

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SEARCH CATALOG

- African Studies
- Anthropology
- Asian Studies
- Biology
- Canadian Studies
- Chemistry and Biochemistry
- Cinema Studies
- Classics
- Comparative Literature
- Computer and Information Science
- Creative Writing
- East Asian Languages and Literature
- Economics
- English
- Environmental Studies

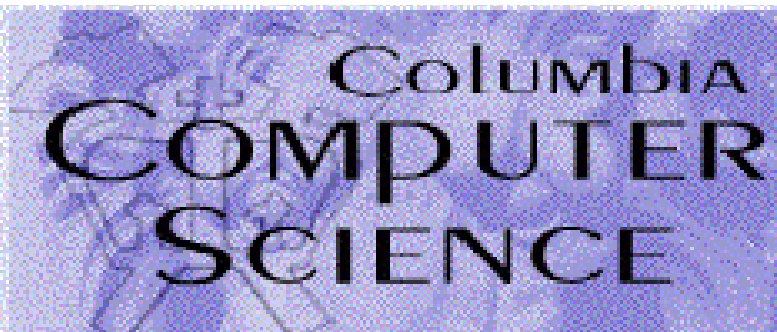
Make
necessary
information
visible.

Make task-
relevant text
readable.

Table of Contents
LAction
LActiveScroller
LApplication
LArray
LArrayIterator
LAttachable
LAttachment
LBEEPAttachment
LBorderAttachment
LBroadcaster
LButton
LCaption
LCIconButton
LCleanupTask
LClipboard
LCmdEnablerAttachment
LColorEraseAttachment
LCommander
LCommanderPane
LComparator
LControl
LDataArrived
LDatabase
LDatabaseView
LDBApplication
LDBExchangeView
LDBPopup
LDBTable
LDBTableView
LDefaultOutline
LDialogBox
LDocument
LDragAndDrop
LDragTask
LDropArea
LdtfApplication
LEditField
LEditList

Table of Contents

DontBeTarget()	.....
FindCommandStatus()	.....
GetDefaultCommander()	.....
GetLatentSub()	.....
GetSuperCommander()	.....
GetTarget()	.....
GetTopCommander()	.....
GetUpdateCommandStatus()	.....
HandleKeyPress()	.....
InitCommander()	.....
IsOnDuty()	.....
IsSyntheticCommand()	.....
IsTarget()	.....
ObeyCommand()	.....
PostAction()	.....
PostAnAction()	.....
ProcessCommand()	.....
ProcessCommandStatus()	.....
ProcessKeyPress()	.....
PutChainOnDuty()	.....
PutOnDuty()	.....
RemoveSubCommander()	.....
RestoreTarget()	.....
SetDefaultCommander()	.....
SetLatentSub()	.....
SetSuperCommander()	.....
SetTarget()	.....
SetUpdateCommandStatus()	.....
SwitchTarget()	.....
TakeChainOffDuty()	.....
TakeOffDuty()	.....
sTopCommander	.....
sTarget	.....



1214 Amsterdam Avenue, New York, NY 10027-7003
Telephone (212) 939-7000, Fax (212) 666-0140

We are looking for [faculty](#) to join our department!

General Info

[Directions to the Department](#), [Departmental Contacts](#), [University-Wide Links](#), [Computer Science Colloquiums](#), [Central Research Facilities \(CRF\)](#), [CS Newsgroups](#), [FTP Site](#), [Creating Web pages](#), [CA certificate for our secure servers](#)

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Admissions

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Collaborations:

- [National Computational Science Alliance](#)
- [Northwest Alliance for Computational Science and E](#)
- [Los Alamos National Laboratory](#)
- [HPC++ Project](#)
- [Parallel Tools Consortium \(PTOOLS\)](#)

Human-Computer Interaction, Graphics, and Visualization

[Sarah A. Douglas](#)

[Interactive Systems Group](#)

design, implementation, evaluation and use of interac

[Anthony Hornof](#)

Networking

[Arthur M. Farley](#)

[Scalable and Robust Multicast](#)

virtual topology for densely-populated multicast grou

[Stephen F. Fickas](#)

[Virginia M. Lo](#)

[Andrzej Proskurowski](#)

[Wearable Computers](#)

body-worn multi-purpose computer designed for tas

[Zary Segall](#)

[Daniel Zappala](#)

Affiliations:

[Network Research Group](#)

[Advanced Network Technology Center](#)

Parallel and Distributed Computing

[John S. Conery](#)

[Distributed Array Query and Visualization](#)

Editing the CIS web pages in DreamWeaver

Compare the two files currently loaded in the editor.

Find Differences

Compare **Files** ▼

New: **(other)** ▼ **Other...** Old: **(other)** ▼ **Other...**

Compare Options:

Case Insensitive Ignore Curly Quotes

Ignore Leading Space

Multi-File Compare:

Don't List Identical Files Only List Text Files

Flatten Hierarchies Skip (...) Folders

Only Compare if Contents **contain** ▼

Cancel **Compare**

Find Differences

Compare

Files ▼

New:

(other) ...

Old:

(other) ▼

Other...

(none s

mini-dev-2.lisp
mini-dev.lisp

(none selected)

Compare Options:

- Case Insensitive
- Ignore Leading Space

- Ignore Curly Quotes

Multi-File Compare:

- Don't List Identical Files
- Flatten Hierarchies
- Only Compare if Contents
- Only List Text Files
- Skip (...) Folders

contain ▼

Cancel

Compare

Templates

- 35mm Slide
- 4-Part Label
- Address
 - European Large
 - European
 - US Large
 - US
- Fanfold Card Stock

Saved Labels

- Label
- tmp

This is my label.

Barcode

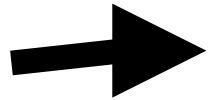
1.12 x 3.50 in ⓘ

+ - Lock sizes and positions 175%

Layout Advanced

Text Image Address Return Address Frame Barcode Print

Three main points on the design of visual information



- Make sure the information that the user will need is readily available.
- Organize the information so that it is presented in a manner that is easy for the user to access (given fundamental perceptual-cognitive-motor abilities).
- Always keep in mind what is the user's task, and how it will unfold over time.

Proximity
Alignment
Repetition
Contrast

Group related
items and give
them headings.

Finding the
best reviews **1**

Analyzing
their picks **2**

Identifying the
best products **3**

Choose a category
to start

Electronics

- [DVD Players](#)
- [Handheld Computers - PDA](#)
- [CD Writers](#)
- [VCRs](#)
- [TV-VCR Combos](#)
- [Television Sets](#)
- [More...](#)

Computers

- [Home Design Software](#)
- [Desktops, Budget](#)
- [Desktops, High-End](#)
- [Laptops, Budget](#)
- [Laptops, High-End](#)
- [Color Inkjet Printers](#)
- [More...](#)

Photo & Video

- [Digital Cameras](#)
- [Digital Camcorders](#)
- [35mm Cameras](#)
- [SLR Cameras](#)
- [APS Cameras](#)
- [Camcorders](#)
- [More...](#)

Office

- [Portable PC Projectors](#)
- [Fax Machines](#)
- [Job Sites](#)
- [Desktop Copiers](#)
- [Desktop Publishing Software](#)
- [Office Chairs](#)
- [More...](#)

House & Home

- [Vacuums, Upright](#)
- [Washing Machines](#)
- [Long Distance Phone Service](#)
- [Cordless Drills](#)
- [Air Conditioners](#)
- [Air Purifiers](#)
- [More...](#)

Kitchen

- [Breadmakers](#)
- [Dishwashers](#)
- [Espresso Machines](#)
- [Cookware](#)
- [Coffee Makers](#)
- [Juicers](#)
- [More...](#)

Family

- [Car Seats, Infant](#)
- [Baby Monitors](#)
- [Men's Electric Shavers](#)
- [Car Seats, Convertible](#)
- [Cat Food](#)
- [Double Strollers](#)
- [More...](#)

Personal Finance

- [Tax Preparation Software](#)
- [Online Brokers](#)
- [Small-Cap Mutual Funds](#)
- [Bond Mutual Funds](#)
- [Online Bill Paying](#)
- [Large-Cap Mutual Funds](#)
- [More...](#)

Automotive

- [Tires](#)
- [SUVs](#)
- [Minivans](#)
- [Pickup Trucks](#)
- [Radar Detectors](#)
- [Family Sedans](#)
- [More...](#)

Health & Fitness

- [Treadmills](#)
- [Home Gyms](#)
- [Elliptical Trainers](#)
- [Exercise Bikes](#)
- [Weight Loss Programs](#)
- [Stair Steppers](#)
- [More...](#)

Sports & Leisure

- [Gas BBQ Grills](#)
- [Handheld GPS](#)
- [Binoculars](#)
- [Backpacking Stoves](#)
- [Hiking Boots](#)
- [Kids Bikes](#)
- [More...](#)

Lawn & Garden

- [Snow Blowers](#)
- [Leaf Blower-Vacs](#)
- [Lawn Mowers](#)
- [Hedge Trimmers](#)
- [String Trimmers](#)
- [More...](#)

Use
perceptual
groupings.

Location: <http://www.cs.columbia.edu/home/textonly/>

Columbia University Department of Computer Science

450 Computer Science Building
Fu Foundation School of Engineering & Science

Telephone (212) 939-7000, Fax (212) 666-0140

Mailing Address:
1214 Amsterdam Avenue, Mailcode: 0401
New York, NY 10027-7003

The frames and image version is [here](#).

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[Admissions](#) - [[Undergraduates](#)] [[Masters](#)] [[Professional](#)] [[Doctorate](#)]

[Resources](#) - [[HELP](#)] [[Job Center](#)] [[WICS](#)] [[CS Newsgroups & Archives](#)] [[About This Server](#)]

[Search](#) this website (for textonly-version documents):

[CUCS Webmaster](#) < webmaster@cs.columbia.edu >

Created on: Sun Nov 8 19:14:46 1998 | Version: 1.0 | Last modified: Wed Dec 2 15:13:36 1998



MEDIA UNION

UNIVERSITY OF MICHIGAN

people

projects

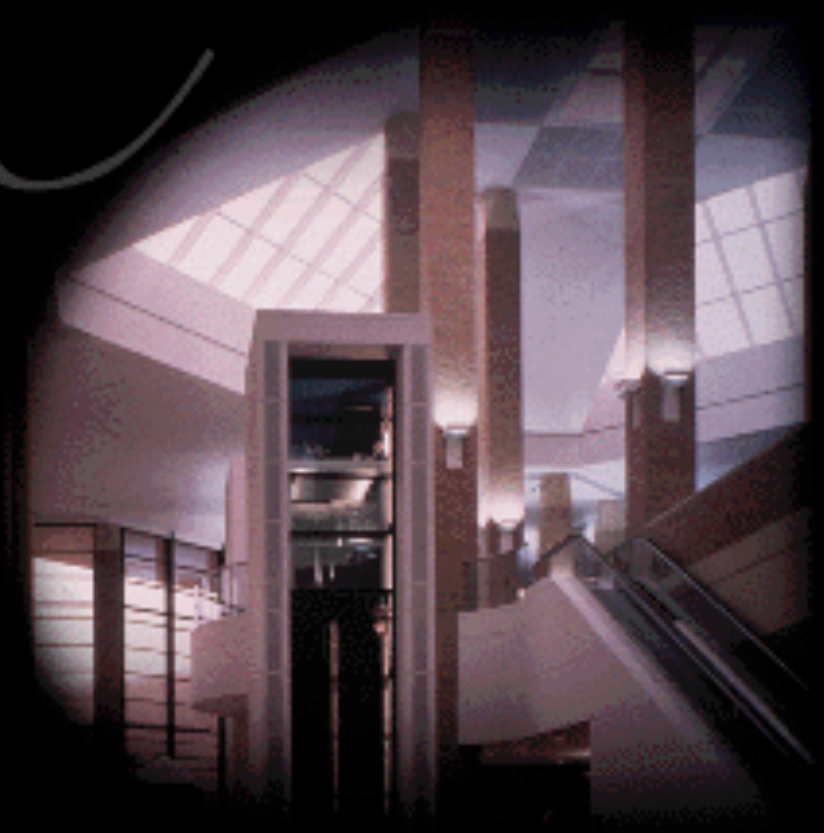
the library

news & events

technical resources

about the media union

■ **main menu**



Use a grid.

A grid consisting of seven vertical lines spaced evenly across the page, intended for writing.

Adv **DIGITAL, MOBILE, NETWORKING SOLUTIONS** **TOSHIBA**

TECHNOLOGY

[Tips](#)

- CyberTimes**
DAILY NEWS & COLUMNS
- E-COMMERCE - MONDAYS**
[Traffic Does Not Always Equal Profit](#)
 - NEW ECONOMY - MONDAYS**
[Behind Bars, a Market for Goods](#)
 - EDUCATION - WEDNESDAYS**
[School District Buys 23,000 Laptops](#)
 - STATE OF THE ART - THURSDAYS**
[Palmtops Add Spice](#)
 - CYBER LAW - FRIDAYS**
[Does a Parody Site Go Too Far?](#)

Circuits ON THURSDAYS

Specials/Forums

7 DAY INDEX

Navigator: THE NEW YORK TIMES NEWSROOM WEB LINKS

[Wireless Updates](#)
[Technology Text Version](#)

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Circuits: A weekly newsletter of personal technology.

 **CNET News.com**

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 - [Find Product Reviews](#)
 - [Compare Product Prices](#)

Search CNET for:

CIRCUITS - HOW IT WORKS



Sony and AOL Join Forces on the Video Game Front

By JOHN MARKOFF
Sony Computer Entertainment and America Online, seeking a strategic alliance against Microsoft, plan to announce a new relationship intended to blend the video-game and online Internet experience.

Review of Revised Internet Names Contract

By SUSAN STELLIN
VeriSign and the Internet Corporation for Assigned Names and Numbers will review an agreement that would change the contract that governs VeriSign's control over the Internet address system.

Loss of Internet Provider Has Businesses Searching for a Link

By JAYSON BLAIR
Hundreds of New York small business owners still struggle to replace the DSL service they lost when Internet service provider NorthPoint Communications declared bankruptcy last month and shut down its network.

Advanced Micro Unveils New Chip

By CHRIS GAITHER
Advanced Micro Devices introduced a new line of mobile microprocessors in an effort to re-establish a presence in laptop computers.

The Green Revolution Yields to the Bottom Line

By ANDREW POLLACK
Agricultural research -- once the realm of public institutions like land-grant colleges -- is increasingly being controlled by private companies.



High Bail Is Ordered in Trade-Secret Case

By THE NEW YORK TIMES
A federal magistrate ordered that bail be set at \$900,000 each for the three men accused of conspiring to steal trade secrets from Lucent Technologies.

An Audio Spotlight Creates a Personal Wall of Sound

By JENNIFER S. LEE
A 28-year-old graduate student has invented a device that projects a discrete beam of sound in much the same way a spotlight projects a beam of light.

BREAKING NEWS FROM
 **CNET News.com**

[CaIPERS spreads wealth around](#) 6:20 p.m. ET

[Label releases copy-protected CD with Pride](#) 4:55 p.m. ET

[Microsoft and XP give USB 2.0 a break](#) 4:40 p.m. ET

[Clarent lays off 10 percent](#) 3:10 p.m. ET

[VC watch: This week's funding wins](#) 2:40 p.m. ET

[Publishing start-up captures Adobe veteran](#) 1:50 p.m. ET

["Spyware" piggybacks on Napster rivals](#) 12:45 p.m. ET

[Telecom scavengers bulk up with bargains](#) 12:45 p.m. ET

[Agere's ax falls](#) 12:25 p.m. ET

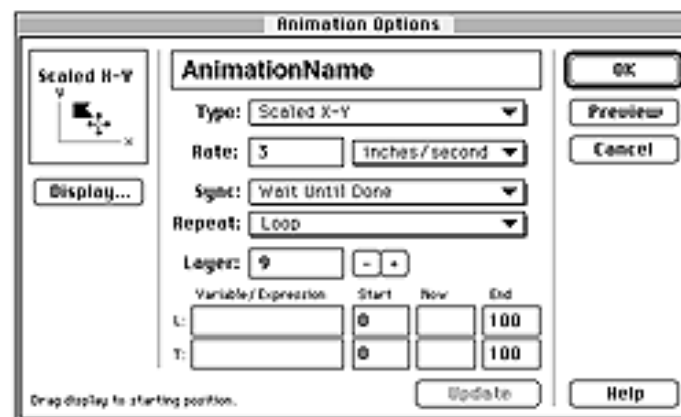
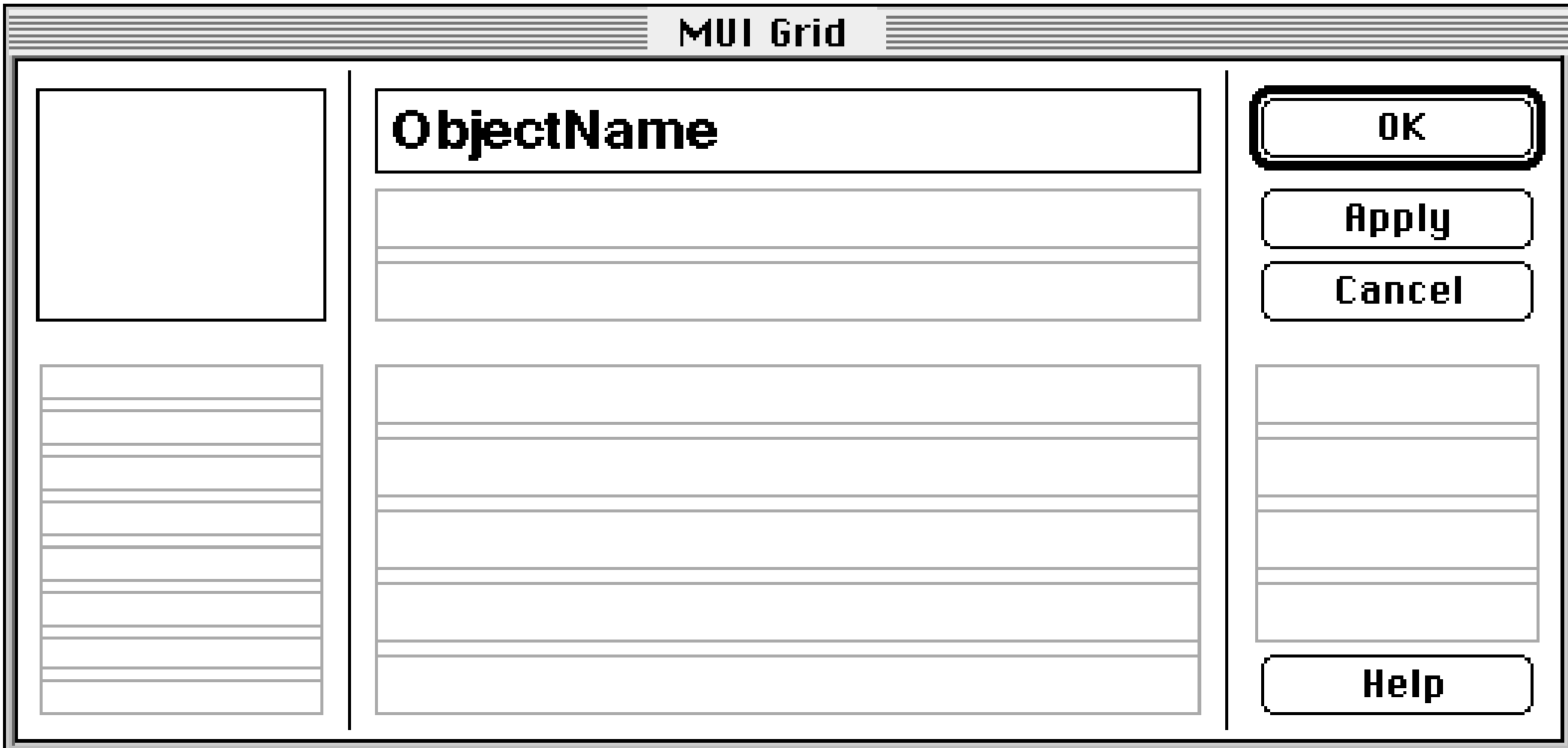
[New XML e-business standard introduced](#) 12:15 p.m. ET

[Web popularity swells overseas](#) 12:10 p.m. ET

[HP fights counterfeiting in Asia](#) 11:15 a.m. ET

BREAKING TECHNOLOGY NEWS
[AP | REUTERS](#)

Use a grid system.



Proximity Alignment Repetition Contrast



[Advanced Search](#) [Preferences](#) [Search Tips](#)

human-computer interaction

Google Search

I'm Feeling Lucky

Searched the web for **human-computer interaction**. Results **1 - 10** of about **204,000**. Search

Category: [Computers > Human-Computer Interaction](#)

[University of Maryland, Human-Computer Interaction Lab](#)

... The **Human-Computer Interaction** Lab (HCIL) at the University of Maryland has a mission to design, implement, and evaluate new interface technologies that are ...

Description: Development of user interfaces and research. Projects include information visualization, digital...

Category: [Computers > Human-Computer Interaction](#)

www.cs.umd.edu/hcil/ - 23k - [Cached](#) - [Similar pages](#)

[Human-Computer Interaction Resources on the Net](#)

Human-Computer Interaction Resources on the Net.

By Mikael Ericsson. This is a collection ...

Description: a collection of information related to **Human-Computer Interaction** (HCI) by Mikael Ericsson

Category: [Computers > Human-Computer Interaction](#)

www.ida.liu.se/labs/aslab/groups/um/hci/ - 7k - [Cached](#) - [Similar pages](#)

[HCI Bibliography : Human-Computer Interaction Publications and ...](#)

HCI Bibliography : **Human-Computer Interaction** Resources Last Modified:

2001-04-02 Accesses since 1998-04-10: 234307 ...

Description: The HCI Bibliography (HCIBIB) is a list of publications and resources on **human-computer interaction**

Category: [Computers > Human-Computer Interaction](#)

www.hcibib.org/ - 11k - [Cached](#) - [Similar pages](#)

[Human-Computer Interaction Institute](#)

Category: [Computers > Human-Computer Interaction > Departments](#)

www.cs.cmu.edu/afs/cs.cmu.edu/user/hcii/www/hcii-home.html - 3k - [Cached](#) - [Similar pages](#)

[A Brief History of Human Computer Interaction Technology](#)

A Brief History of **Human Computer Interaction** Technology. ... Keywords:

Human Computer

Interaction, History, User Interfaces, **Interaction** Techniques. ...

www.cs.cmu.edu/~amulet/papers/uihistory.tr.html - 34k - [Cached](#) - [Similar pages](#)

[[More results from www.cs.cmu.edu](#)]

[University of Maryland, Human-Computer Interaction Lab](#)

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Description: Development of user interfaces and research. Projects include information visualization, digital...

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[www.cs.umd.edu/hcil/](#) - 23k - [Cached](#) - [Similar pages](#)

[Human-Computer Interaction Resources on the Net](#)

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[www.ida.liu.se/labs/aslab/groups/um/hci/](#) - 7k - [Cached](#) - [Similar pages](#)

[HCI Bibliography : Human-Computer Interaction Publications and ...](#)

HCI Bibliography : **Human-Computer Interaction** Resources Last Modified:

2001-04-02 Accesses since 1998-04-10: 234307 ...

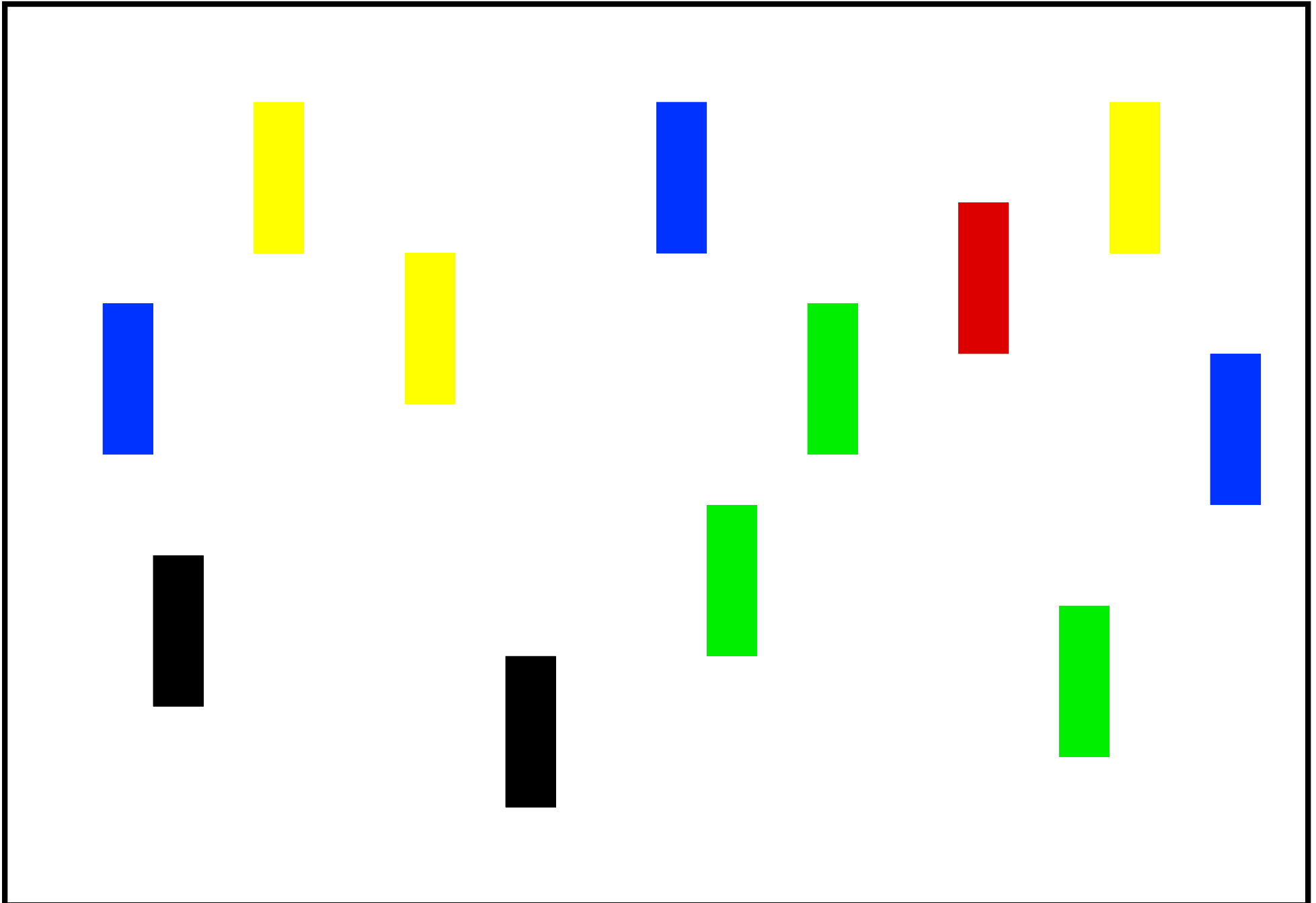
Description: The HCI Bibliography (HCIBIB) is a list of publications and resources on **human-computer interaction**

Category: [Computers > Human-Computer Interaction](#)

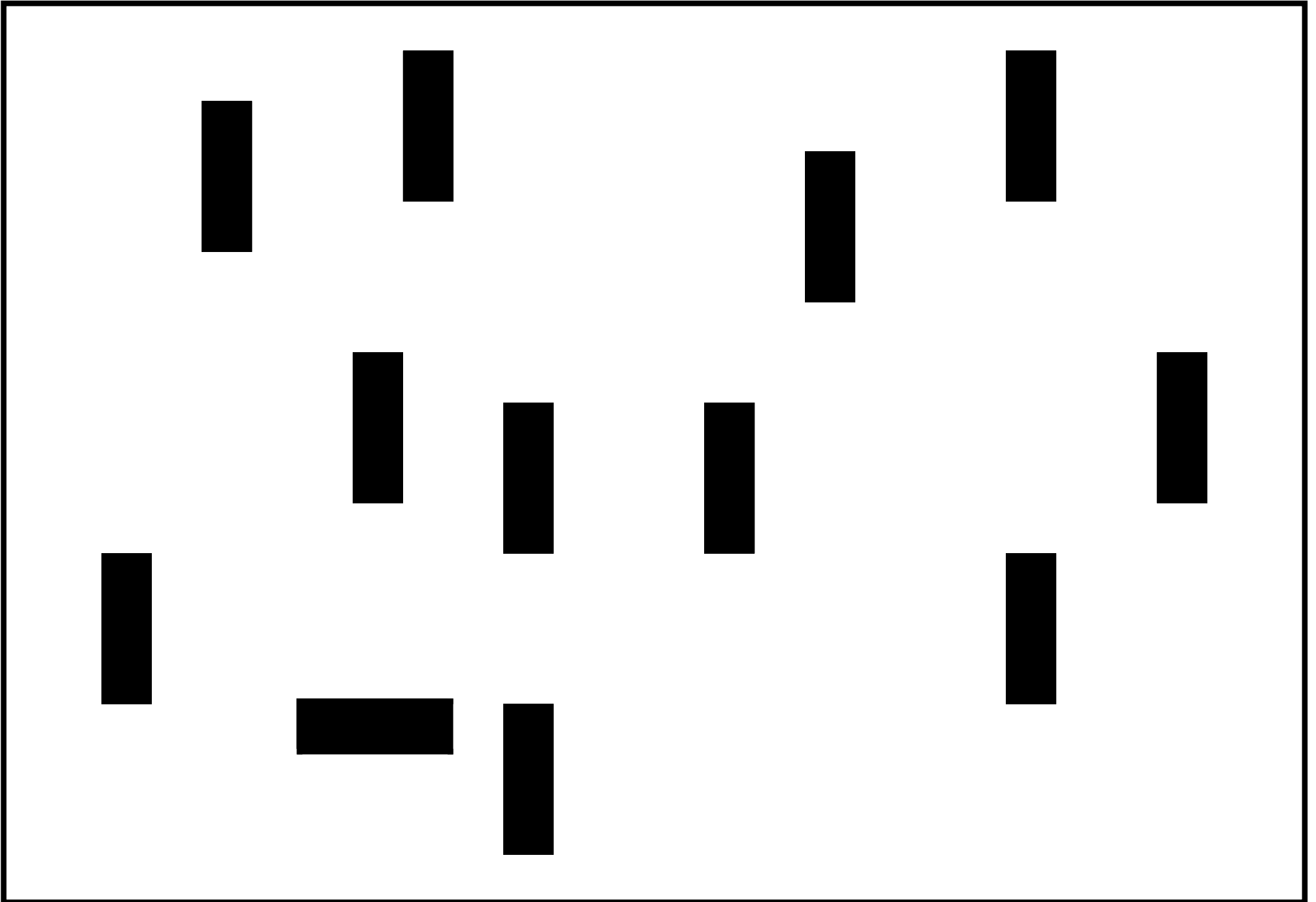
[www.hcibib.org/](#) - 11k - [Cached](#) - [Similar pages](#)

Peripherally-salient primary visual features such as color, size, and orientation appear to “pop-out.” Use these features to distinguish the target item.

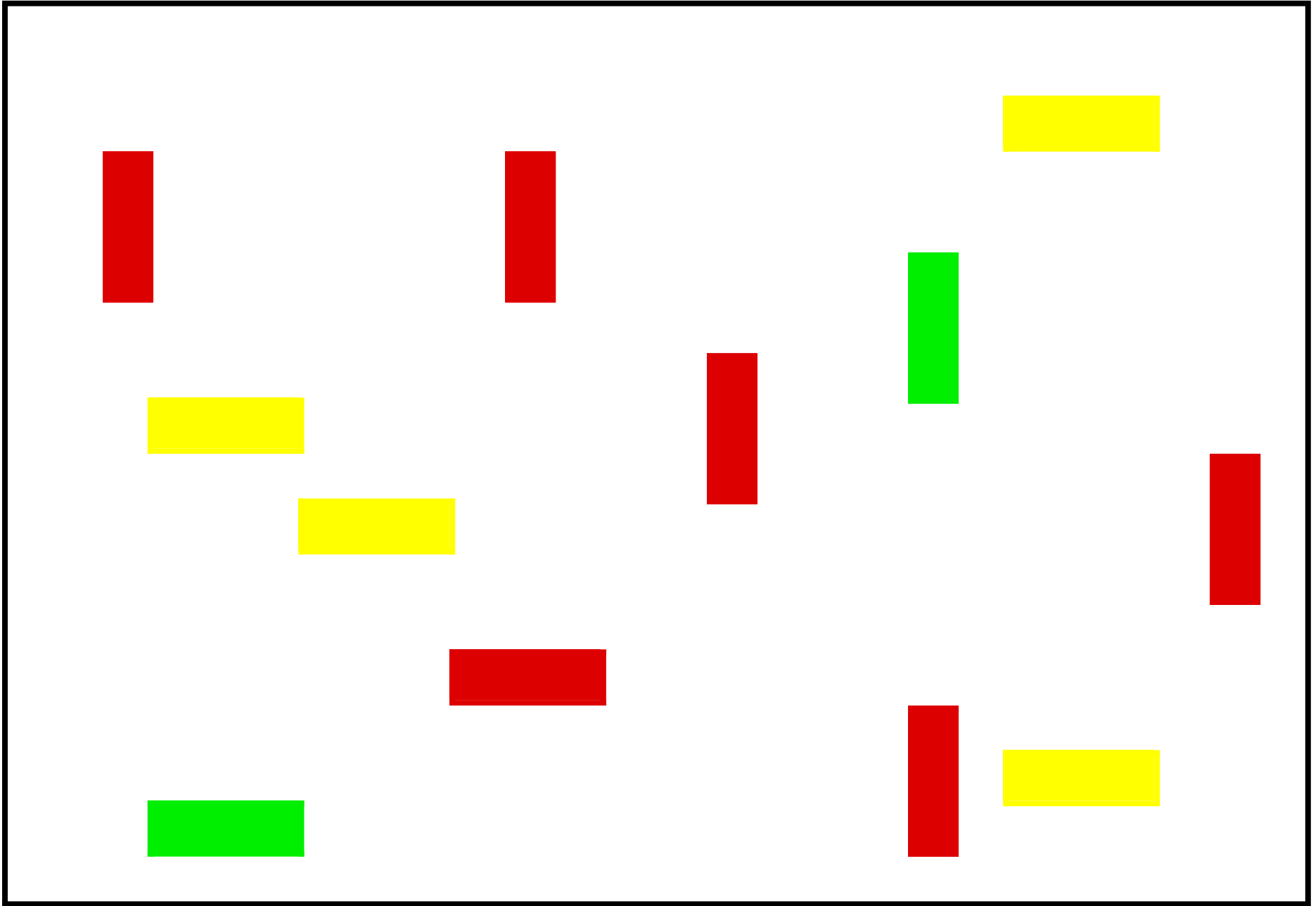
Find the red target.



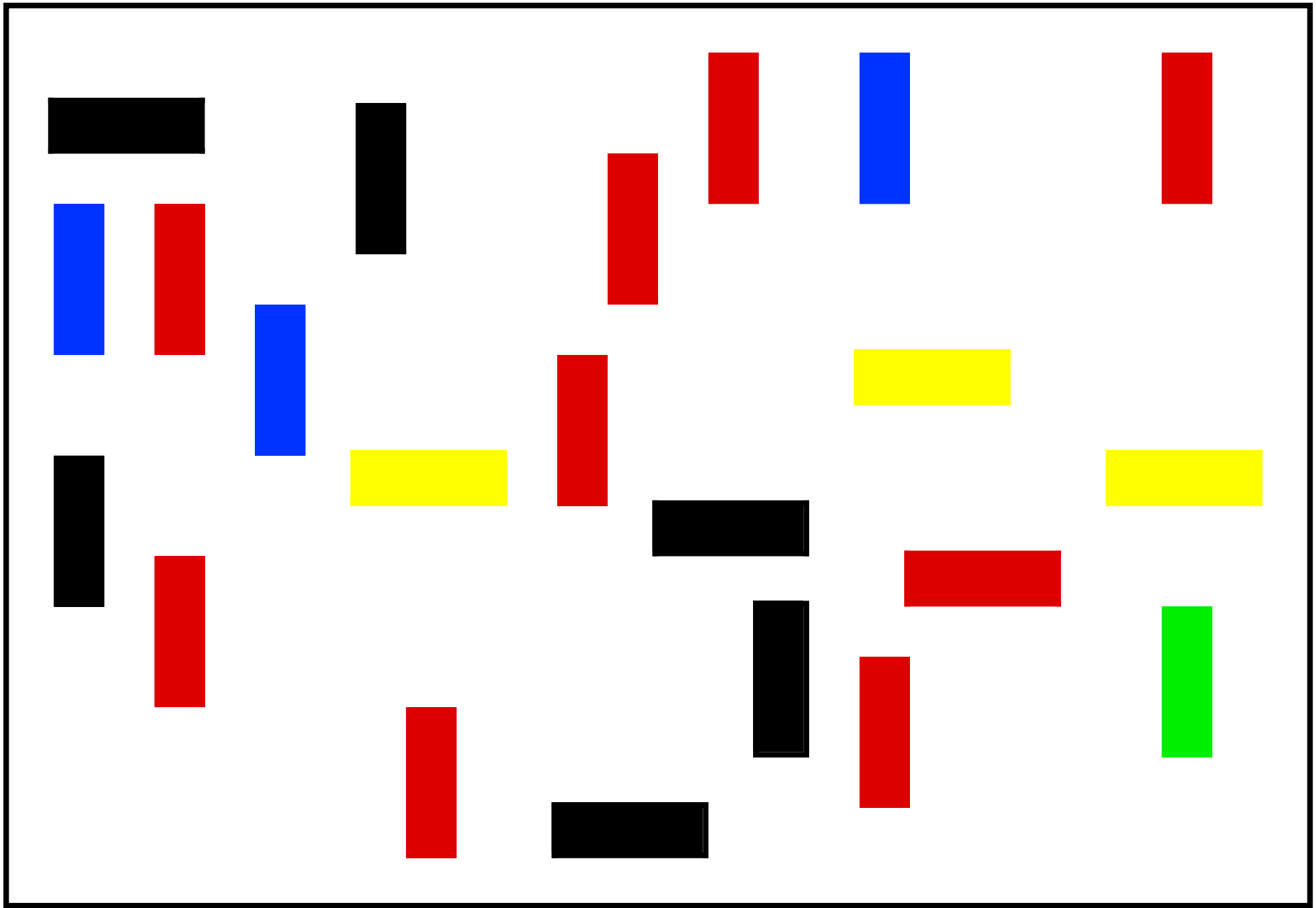
Find the horizontal target.



Find the horizontal red.

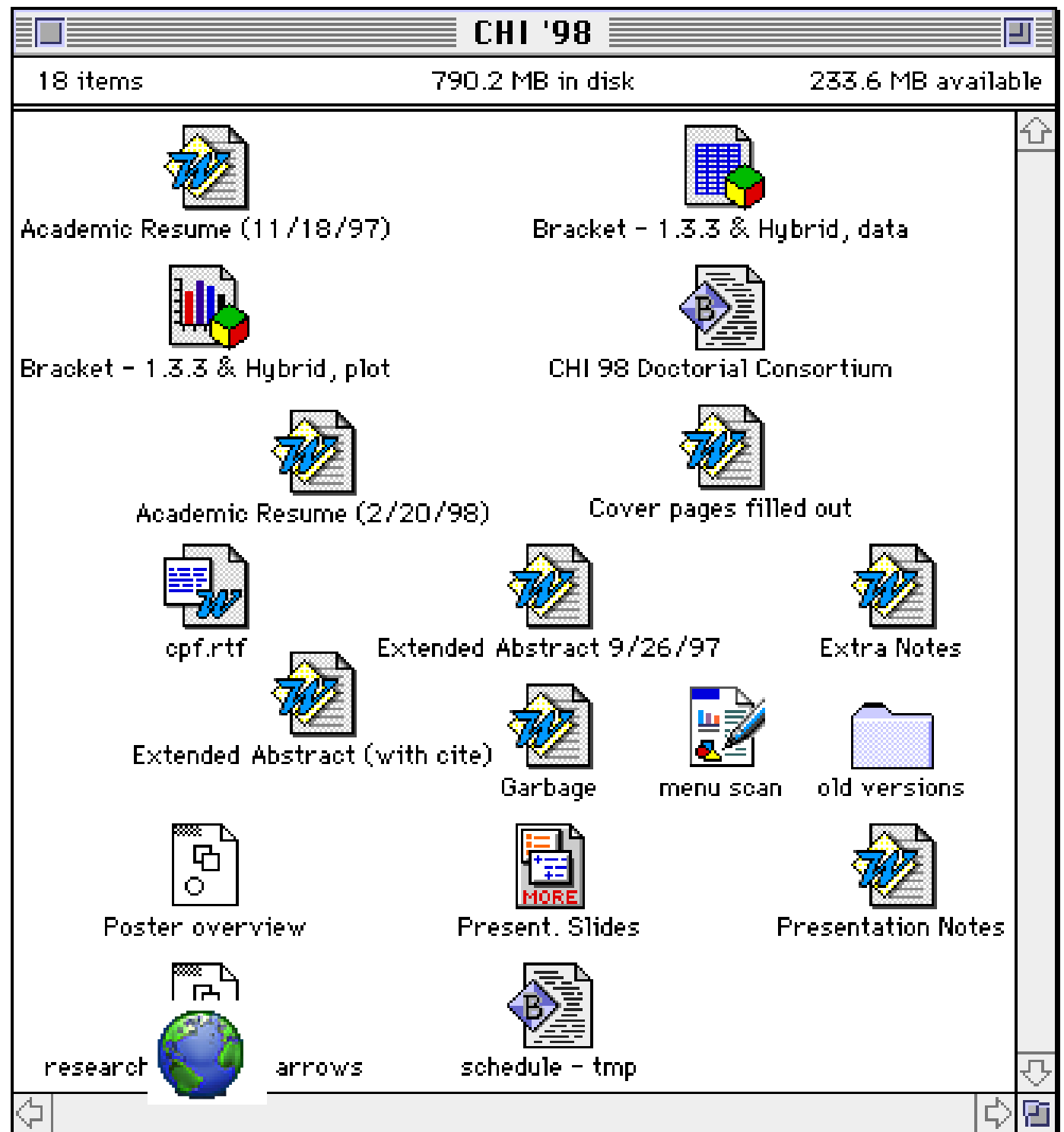


With more distractors.



21 distractors

Task: find the file entitled “Present. Slides”.



iOS 6 vs iOS 7 icons

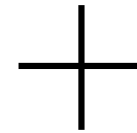
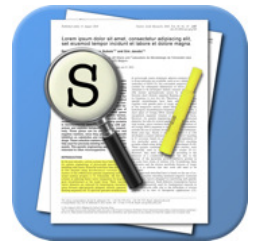
<http://applenapps.com/feature/ios-7-vs-ios-6-comparing-the-home-screen-stock-app-icons>



iOS 6 vs iOS 7.

The new icons better emphasize the primary visual features of color, shape, and size, and are thus easier to distinguish in the near periphery. Hold your gaze on the crosshairs and try to describe each icon.

(Firugre from Kieras & Hornof, 2014)



Task: Get to the basement parking at the Riverbend Hospital.



Task: Get to the basement parking at the Riverbend Hospital.



Task: Get to the basement parking at the Riverbend Hospital.

The lesson learned here is to remove “distractors”.





23



← PRESS HERE

University of Oregon's DuckWeb Information System



DuckWeb is an interactive web application that provides easy access to information. Be prepared to supply your nine-digit User Id and your Personal Access Code(PAC). If you are a student, this is the **same** PAC you use to access DuckCall.

For security reasons, DuckWeb requires that your browser be configured to accept cookies. For best performance, it is recommended that you use the 4.x versions (or later) of Netscape or Internet Explorer.

DuckWeb is generally available 24 hours a day. There may be occasional breaks in service when the system is down for routine maintenance, especially most Sunday evenings from 6pm to midnight.



REMEMBER, especially if you are using a public terminal, to press the **LOG OFF** button when you are finished. Avoid using the forward/back buttons on your browser unless specifically directed to.

Student Related Links

[[UO Home Page](#)] [[DuckHunt](#)] [[Registrar](#)] [[Financial Aid](#)] [[Admissions](#)] [[Career Center](#)]

Questions or comments about DuckWeb can be directed to: gfreeman@oregon.uoregon.edu



Welcome to DuckWeb!



DuckWeb is unavailable Friday evenings from 7pm to 9pm for routine maintenance.

To Login: Enter your UO ID number (do not enter dashes) and your Personal Access Code (PAC), then click on the **Login** button.

First-time Users: Use the UO ID and initial PAC provided to you by the University of Oregon. Once you log in, for security reasons, DuckWeb will display that your PAC has expired and you will be prompted to change your PAC and to activate a security question which will help you manage your account. Click on the [HELP](#) button above for more information about your initial PAC.

Don't know your Personal Access Code (PAC)? Don't guess! Enter your UO ID number (no dashes) and click the **"Forgot PAC?"** button. Follow the steps on the next page.

Forgot your Personal Access Code (PAC)? Don't guess! You can reset your own Personal Access Code (PAC). Enter your UO ID number (no dashes) and then click on the **"Forgot PAC?"** button. Follow the steps on the next page.

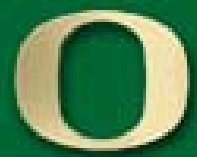
UO ID:

PAC:



REMEMBER, especially if you are using a public computer, to Log Off by clicking **EXIT** and then close your browser when you are finished. Avoid using the forward/back buttons on your browser unless specifically directed to do so. For security reasons, DuckWeb requires that your browser be configured to accept cookies.

Comments? registrar@uoregon.edu



User Login

Info: Please enter your UO Id number and your personal access code (PAC) for access to University Of Oregon's DuckWeb Information System. When finished press the **Login** button.

The first time you login, you will be asked to activate a security question which will help you manage your DuckWeb account. Login now, then follow the three easy steps on the next page.

UO Id:

PAC:

Task: find the right arrows.

(Qdea Synchronize!)

The image shows a 'Files To Copy' dialog box with two side-by-side file lists. Both lists are titled 'Cognitive Modeling on Hard Drive'. The left list shows a tree view of folders and files, with some folders expanded. The right list shows the same items but with different icons next to them, indicating synchronization status. The icons include a folder icon, a document icon, a document with a checkmark, a document with a cross, and a document with a double-headed arrow. The right list also has a vertical scrollbar on its right side.

Left List Item	Right List Item
▼ Cognitive Modeling	📁 Cognitive Modeling
📄 ACT-R - Final Paper	📄 ACT-R - Final Paper
📄 ACT-R - scrap	📄 ACT-R - scrap
📄 Anzai and Simon	📄 Anzai and Simon
📄 EPIC Presentation Ideas	📄 EPIC Presentation Ideas
▼ 📁 EPIC talk	📁 EPIC talk
📄 EPIC Diagram	📄 EPIC Diagram
📄 EPIC Diagram - Poster	📄 EPIC Diagram - Poster
📄 EPIC talk outline	📄 EPIC talk outline
📄 S5 profile	📄 S5 profile
📄 Feigenbaum 9/21/95	📄 Feigenbaum 9/21/95
📄 Hornof's Kolodner	📄 Hornof's Kolodner
📄 Miller and Laird	📄 Miller and Laird
📄 Newell 10/24/95	📄 Newell 10/24/95
📄 Newell and Simon	📄 Newell and Simon
📄 Polk and Newell	📄 Polk and Newell
▼ 📁 RAT SOAR	📁 RAT SOAR
▼ 📁 from travis	📁 from travis
📄 travis new word 5.1	📄 travis new word 5.1
📄 Travis' new sub rtf	📄 Travis' new sub rtf
📄 Travis' new subtract rft	📄 Travis' new subtract rft
📄 Travis' new subtraction method	📄 Travis' new subtraction method
📄 RAT Soar drawings	📄 RAT Soar drawings
📄 RAT Soar write-up	📄 RAT Soar write-up
📄 RAT Soar drawings	📄 RAT Soar drawings
📄 RAT Soar write-up	📄 RAT Soar write-up
📄 Rumelhart 9/13/95	📄 Rumelhart 9/13/95

Task: find the right arrows.

(Qdea Synchronize!)

The screenshot displays a file synchronization interface with two panels, both titled "Cognitive Modeling on Hard Drive".

- Left Panel (Source):** Shows a directory tree starting with "Cognitive Modeling". It includes subfolders like "EPIC talk" and "RAT SOAR", and various files such as "ACT-R - Final Paper", "EPIC Diagram", "Feigenbaum 9/21/95", "RAT Soar drawings", and "RAT Soar write-up".
- Right Panel (Target):** Shows an identical directory tree structure.
- Arrows:** Blue arrows point from the source to the target for most files. Green arrows point from the target to the source for the "RAT SOAR" folder and its contents, indicating that the target is more up-to-date.

Task:
Find
the
travel
forms.

Business Affairs

[Mission](#)

[Text Only](#)

[Director's Notes](#)

***** CLOSING OF THE BOOKS *****

[Departments](#)

BAO OPERATING PRINCIPLES

BAO MYSTERY TOUR

[Links](#)

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[Feedback](#)

[Home](#)



Staff Directory



Calendar



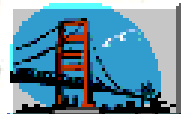
What's New



FAQS



Departments



Travel Policy Team



Financial Reports



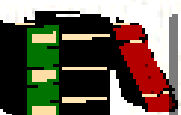
Insurance Coverage



FIS



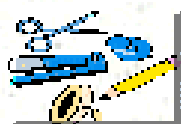
Forms



HRIS



BAO Accolades



Parents/Students Survival Guide



Quality Assurance



Student Information



Banner Guide

Departments

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[Accounting](#)



[Accounts Payable/Travel](#)



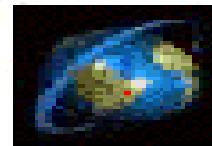
[Cashiers](#)



[Collections](#)



[Contracting](#)



[Mail Services](#)



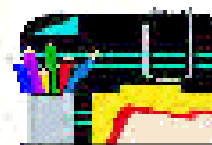
[Payroll](#)



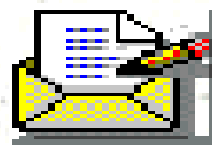
[Printing Services](#)



[Property Control](#)



[Purchasing](#)



[Student Billing](#)



[Student Loans](#)



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WELCOME

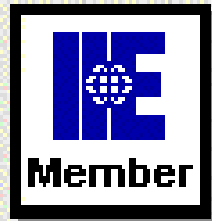


MASTER OF INDUSTRIAL SAFETY

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- ← Faculty
- ← Classes
- ← Labs



INFORMATION

- Degree Program
- I.E. Career Advising
- Student Life
- Alumni
- Coll. of Science and Eng.
- UMD Campus

Resume Book

TRACY

News

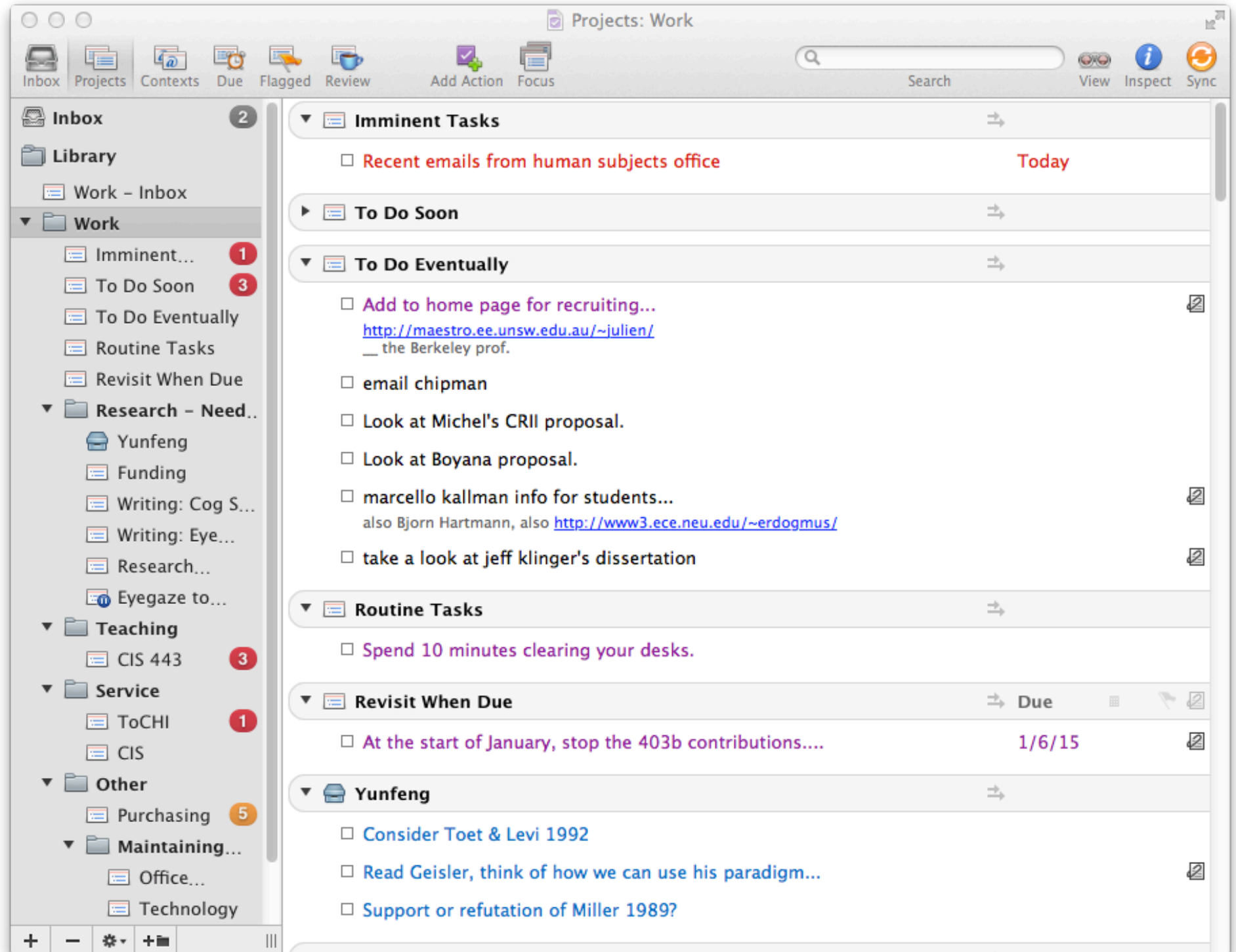
Mail

Industrial Engineering Department

University of Minnesota Duluth

- A. Common Errors
- Clutter and visual noise, as opposed to reducing a design to its essence.
 - Using explicit structure as a crutch
 - Excessive detail and embellishment
 - Gratuitous dimensionality
 - Arbitrary component positions and dimensions
 - Inconsistent visual language

Information Design Problems Persist - OmniFocus v1



Information Design Problems Persist - OmniFocus v2

The screenshot displays the OmniFocus v2 application interface. The top toolbar includes icons for Sidebar, New Action, Clean Up, Quick Open, Focus, View, Search, Inspect, and Sync. The left sidebar is organized into sections: Inbox, Projects, Contexts, Forecast, Flagged, and Review. The main workspace shows a hierarchical task list. The 'Work' folder is expanded, showing 'Imminent Tasks' (1 overdue), 'To Do Soon' (3 overdue), 'To Do Eventually' (6 remaining), 'Routine Tasks' (1 remaining), and 'Revisit When Due'. The 'Imminent Tasks' section is currently selected, showing a task 'Recent emails from human subjects office' due at 9:00 AM. Other tasks in the 'To Do Soon' section include 'Add to home page for recruiting...', 'email chipman', 'Look at Michel's CR11 proposal.', 'Look at Boyana proposal.', 'marcello kallman info for students...', and 'take a look at jeff klinger's dissertation'. The 'Routine Tasks' section shows 'Spend 10 minutes clearing your desks.' The bottom status bar indicates '105 actions, 17 projects'.

Projects

Sidebar New Action Clean Up Quick Open Focus View Search Inspect Sync

Inbox

Work - Inbox

Work

- Imminent Tasks 1
- To Do Soon 3
- To Do Eventually
- Routine Tasks
- Revisit When Due

Research - Need Processed

- Yunfeng
- Funding
- Writing: Cog Sci on Inter...
- Writing: Eye Movement...
- Research Reading
- Eyegaze to Dean

Teaching

- CIS 443 3

Service

- ToCHI 1
- CIS

Other

- Purchasing 5
- Maintaining Focus (UO)
 - Office Streamlining
 - Technology

Home Life - Inbox

Imminent Tasks

+ 1 remaining • 1 overdue

Recent emails from human subjects office

Due 9:00 AM

To Do Soon

+ 7 remaining • 3 overdue

To Do Eventually

+ 6 remaining

Add to home page for recruiting...

email chipman

Look at Michel's CR11 proposal.

Look at Boyana proposal.

marcello kallman info for students...

take a look at jeff klinger's dissertation

Routine Tasks

+ 1 remaining

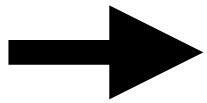
Spend 10 minutes clearing your desks.

Revisit When Due

105 actions, 17 projects

Three main points on the design of visual information

- Make sure the information that the user will need is readily available.



- Organize the information so that it is presented in a manner that is easy for the user to access (given fundamental perceptual-cognitive-motor abilities).
- Always keep in mind what is the user's task, and how it will unfold over time.



Reserve Orders

UO Faculty and GTFs: If the library does not own an item you need for your course reserves one will be ordered for you from the information using the following form. Books will be rush-ordered, but please plan on 60-90 days for delivery.

The Library does not add course textbooks to the Library Collection. If you'd like to place a copy of your course textbook on reserve you may personal copy.

Notes:

- If you are requesting a videocassette or film, please use the [Acquisition Request Form for Videos or Films](#).
- Please contact [Leslie Bennett](#), (lbennett@oregon.uoregon.edu, (541)346-1930) for requests to purchase music or materials for the Do Room, and [Christine Sundt](#), (csundt@oregon.uoregon.edu, (541)346-2209) to obtain slides for use in the image reserve at the Visual Collection.

Order one item per form. Items shown below in red font are required. Items listed in black font will help us process your order more quickly.

Instructor: **Office phone:**

Email address:

Dept/Course: **Term/Year:**

Course title: **# students:**

Location for this reserve material: **Loan Period:**

Title:

Author/Editor:

Publisher:

(& date & location):

If you are ordering from a catalog, please provide the name and date of the catalog. Please include the catalog item number.

Catalog: **Item #:**

To send your request click the "submit" button below. To make another request after submitting the first, return to this page, click the "clear form" button. To use this form to provide information for the next order request.

Task: Put a textbook on reserve. Fill out all the red blanks.

Thank you

Your email address or comments appear to be blank, and thus were not sent to *knires@oregon.uoregon.edu* . Please re-enter your comments, You can return to the form using your browser's BACK command or button (or return to http://libweb.uoregon.edu/acs_svc/reserveorders.html if you want.).



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Series:

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