HUMAN COMPUTER INTERACTION



KASSYMOVA AIZHAN BAKHYTZHANOVNA, PHD, ASSOCIATE PROFESSOR

A.KASSYMOVA@SATBAYEV.UNIVERSITY

LESSON PLAN

- How to design for navigation
- User Experience Research Techniques
- Competitive Research

"It's a fact: People won't use your web site if they can't find their way around it." Steve Krug

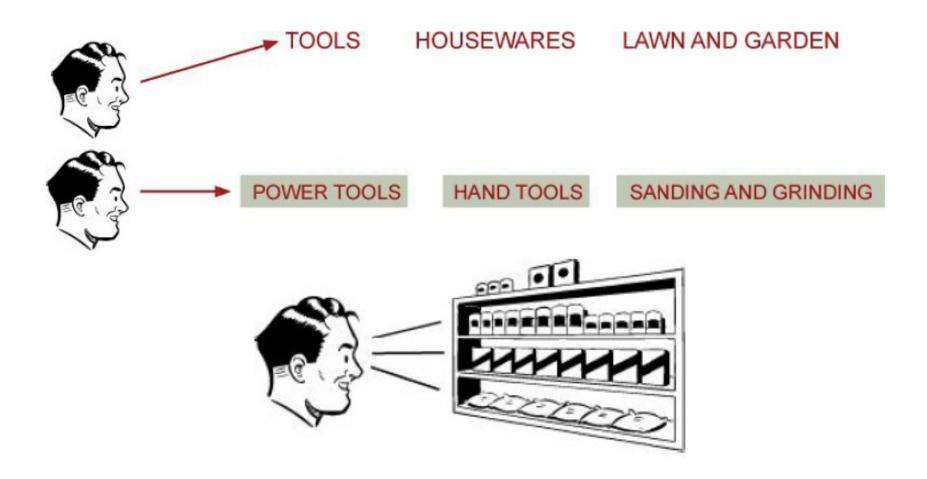


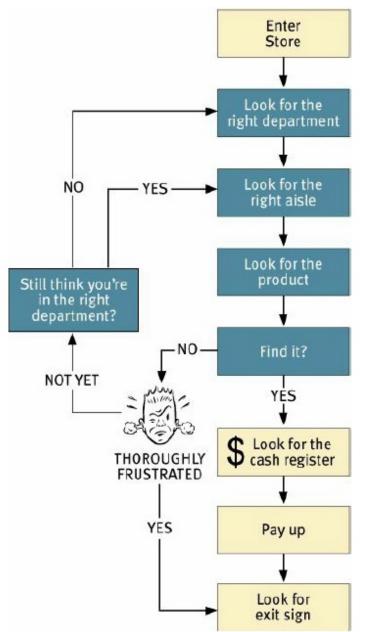
www.interaction-design.org

Solution:

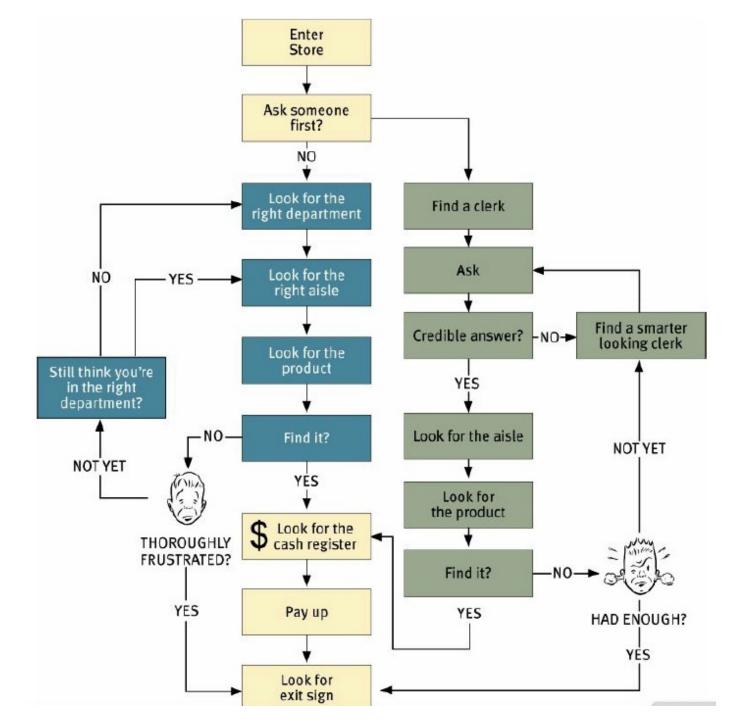
Clear, simple, consistent navigation.

- Saturday afternoon
- Head for shopping mall
- Want to buy a chainsaw



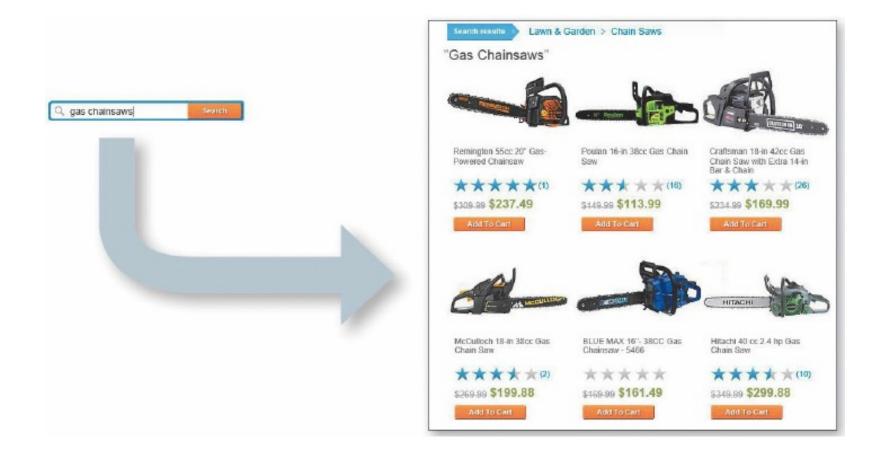


- You may decide to ask someone instead
- This depends on:
 - Familiarity with store
 - Your trust in the store's ability to organize sensibly
 - How much hurry you're in
 - How sociable you are



WEB NAVIGATION 101

- You got through a similar process when you enter a Web site:
 - you are trying to find something
 - you decide whether to ask first of browse first



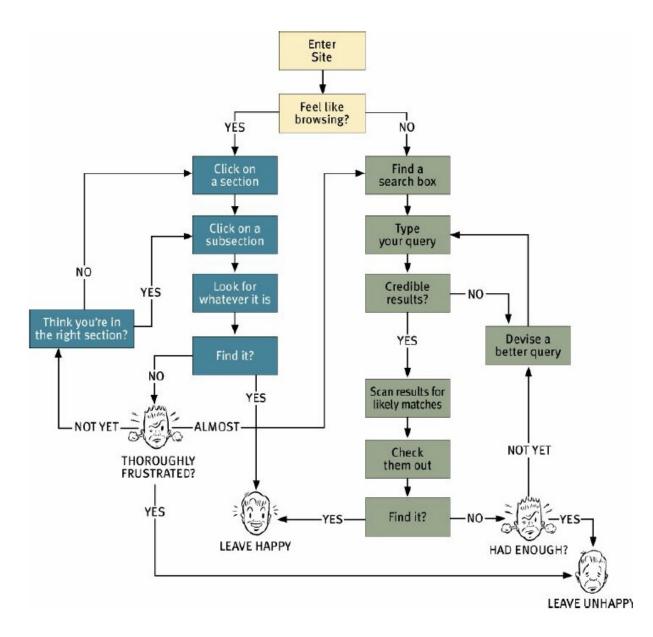
WEB NAVIGATION 101

- Search-dominant users (Jakob Nielsen)
 - Look for search box as soon as they enter a site
- Link-dominant users (Jakob Nielsen)
 - Browse first
 - Search only if browsing fails

• If you choose to browse, you make your way through a hierarchy, using signs to guide you.

Housewares	Tools	Yard and Garden
	<u>(ju</u>	
Housewares	Tools	Yard and Garden
Power Tools	Hand Tools	Grinding/Sanding

HERE'S WHAT THE PROCESS LOOKS LIKE:



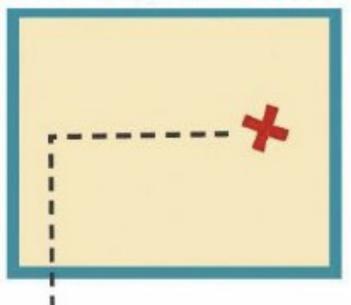
PROBLEMS WITH THE WEB EXPERIENCE

- Web experience similar to physical experience in the real world:
 - Moving around in a space
 - "Cruising", "Browsing", "Surfing"
- Web experience misses many of the cues we've relied on all our lives to negotiate spaces:
 - No sense of scale
 - 1 page? 100 pages? 5000 pages?
 - Have I missed something? (museum, department store)
 - How do I know when to stop looking?
 - No sense of direction (no left, up, right, down)
 - No sense of location

IN THE PHYSICAL WORLD...

FIRST TIME

SUBSEQUENT VISITS



ON THE WEB...

- No physical sense
- Reliance on remembering conceptual hierarchy
- Bookmarks stored personal shortcuts
- Back button accounts for 30-40% of Web clicks
- Home pages Akin to North Star

LACK OF WEB'S PHYSICALITY

Plus side

- Sense of weightlessness
- Easy to lose track of time

Negative side

- Figuring out where you are
- Figuring out how to go from one place to another

DEFINITION OF NAVIGATION

It's about doing two things

- Getting from one place to another
- Figuring out where you are

PURPOSE OF NAVIGATION

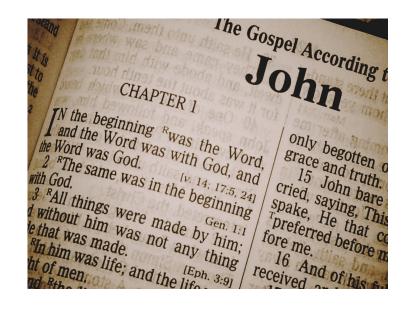
- Helps us find what we're looking for
- Tells us where we are
- Tells us how to use the site
 - Implicitly gives instructions
 - Where to begin
 - What options are available
- Gives user confidence in builders
 - Good navigation creates good impression

CONVENTIONS FOR NAVIGATING THE PHYSICAL WORLD

- Cities and Buildings
 - Street signs



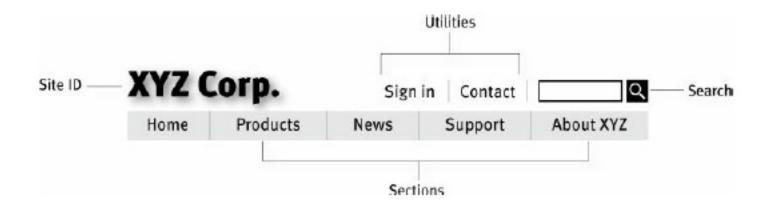
- Books and Magazines
 - Page numbers, chapter titles





GLOBAL NAVIGATION AKA PERSISTENT NAVIGATION

- Should be consistent
- Should consist of: Site ID, Sections, Utilities, Home, Search



GLOBAL NAVIGATION AKA PERSISTENT NAVIGATION

- Exceptions in consistency
 - Home Page
 - Forms (e-commerce site)
 - Printable pages
- Exceptions can have

minimal versions

WORI	
Username	
Password	
F Log In Remember Me	Log In
Register Lost your password	42



Feedback Form

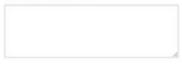
We would love to hear your thoughts, concerns or problems with anything so we can improve!

Feedback Type

Comments

Bug Reports Questions

Describe Feedback: *



Name *

Dru Name Las Name

E-mail *

ex: myname@	heurannia nam	
ex. mynameg	rexample.com	

SUBMIT FEEDBACK

Subscribe to our free mailings now!

Name

Your email →

Please enter symbols shown on the image:



Reload image

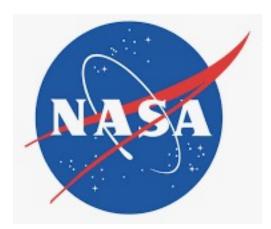
Company news
 Discounts & special offers
 New product releases



SITE ID (OR LOGO)

- Building name for a Web site
- Only need to see it once on a building
- Need to see it on every page on the Web
 - Why? Primary mode of transportation is teleportation
- Placement Top of page
- Represents whole site
 - Highest thing in logical hierarchy of the site

This site Sections of this site Subsections Sub-subsections, etc. This page Areas of this page Items on this page





THE SECTIONS

• *Primary navigation* – are the links to the main sections of the site: the top level of the site's hierarchy.



• Secondary navigation - the list of subsections in the current section.



 In others, pointing at a section name or clicking on it reveals a dropdown menu. And in others, clicking takes you to the front page of the section, where you'll find the secondary navigation.

THE UTILITIES

Utilities are the links to important elements of the site that aren't really part of the content hierarchy.



These are things that either can help me use the site (like Sign in/Register, Help, a Site Map, or a Shopping Cart) or provide information about its publisher (like About Us and Contact Us).

Utilities will vary for different types of sites

About Us	Downloads	How to Shop	Register
Archives	Directory	Jobs	Search
Checkout	Forums	My	Shopping Cart
Company Info	FAQs	News	Sign in
Contact Us	Help	Order Tracking	Site Map
Customer Service	Home	Press Releases	Store Locator
Discussion Boards	Investor Relations	Privacy Policy	Your Account

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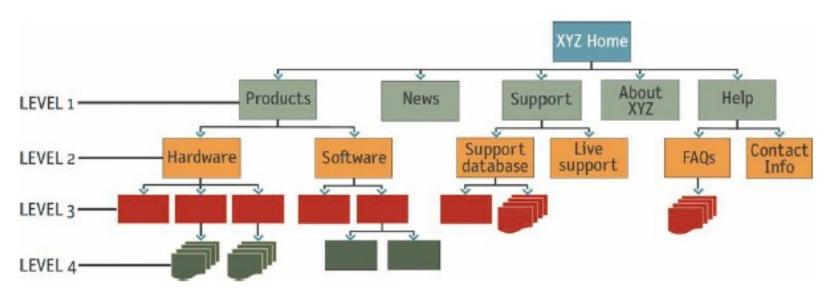
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LOW-LEVEL NAVIGATION



Home



Second level page



Subsection page



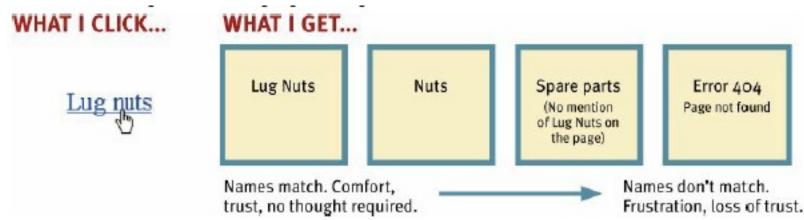
PAGE NAMES

There are four things you need to know about page names:

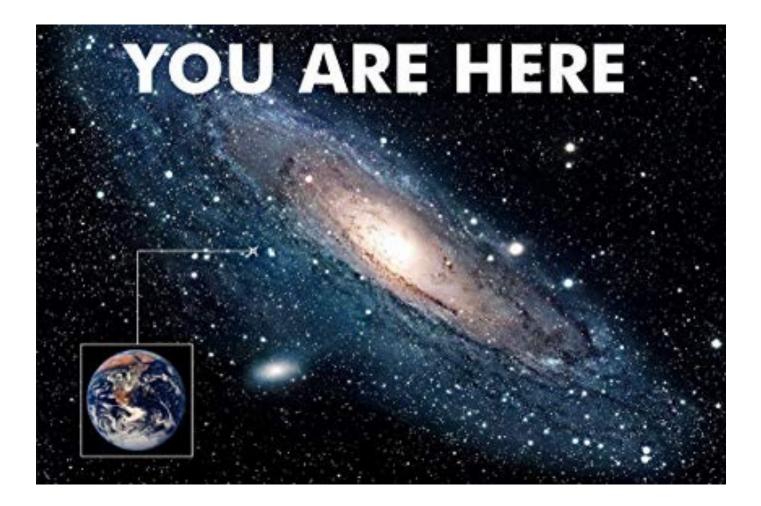
- 1. Every page needs a name.
- 2. The name needs to be in the right place.



- 1. The name needs to be prominent.
- 2. The name needs to match what I clicked.



"YOU ARE HERE"



"YOU ARE HERE"



There are a number of ways to make the current location stand out:

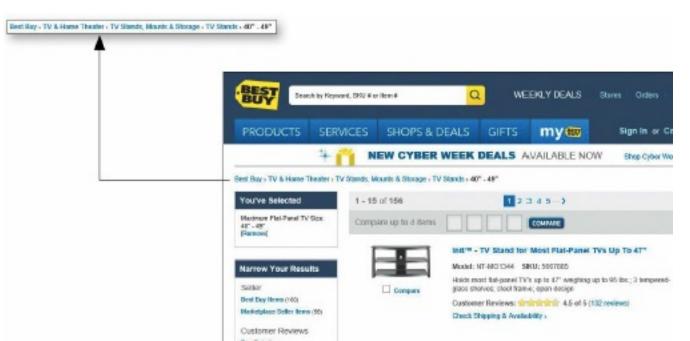
Put a pointer next to it	Change the text color	Use bold text	Reverse the button	Change the button color
Sports	Sports	Sports	Sports	Sports
Business	Business	Business	Business	Business
Entertainment	Entertainment	Entertainment	Entertainment	Entertainment
Politics	Politics	Politics	Politics	Politics

BREADCRUMBS

Like "You are here" indicators, Breadcrumbs show you where you are.

A few best practices for implementing them:

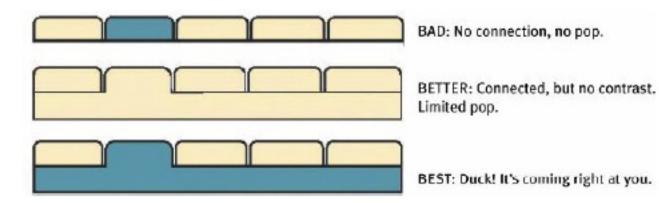
- Put them at the top.
- Use > between levels.
- Boldface the last item.





Tabs are:

- Self-evident.
- Hard to miss.
- Slick.



TRUNK TEST

Here's how you perform the trunk test:

Step 1: Choose a page anywhere in the site at random, and print it.

Step 2: Hold it at arm's length or squint so you can't really study it closely.

Step 3: As quickly as possible, try to find and circle each of these items:

- Site ID
- Page name
- Sections (Primary navigation)
- Local navigation
- "You are here" indicator(s)
- Search

Try it on your own site and see how well it works. Then ask some friends to try it, too. You may be surprised by the results.

HOME PAGE

Things the Home page has to accommodate:

- Site identity and mission.
- Site hierarchy.
- Search.
- Teases.
- Content promos.
- Feature promos.
- Timely content.
- Deals.
- Shortcuts.
- Registration.
- Show me what I'm looking for.
- ...and what I'm not looking for.
- Show me where to start.
- Establish credibility and trust.



THE HOME PAGE NEEDS TO ANSWER THE FOUR QUESTIONS



WHAT THE SITE IS ABOUT

Everything on the Home page can contribute to our understanding of what the site is. But there are 3 important places on the page where we expect to find explicit statements of what the site is about.

- The tagline
- The Welcome blurb.



- The "Learn more."
- Use as much space as necessary
- Don't use a mission statement as a Welcome blurb.





Mycophilia - a short documentary

by Madison McClintock in Bozeman, MT

Come explore the strange and curious world of mushrooms, you may even discover something new about yourself.

 104%
 \$5,663
 15

 funded
 pledged
 days to go

Art Comics Dance Design Fashion Fim & Video Food Games Music Photography Publishing Technology Theater

TAGLINE

• Good taglines are **clear** and **informative** and explain exactly what your site or your organization does.

. 4		
zipcar. when	els when you want them	

short enough to absorb easily.

- Good taglines **convey differentiation** and a clear benefit.
- Bad taglines sound **generic**.
- Good taglines are personable, lively, and sometimes clever. Clever is good, but only if the cleverness helps convey—not obscure—the benefit.



THE BREAKFAST BLOG

IN SEARCH OF THE BEST EGGS IN TOWN

WHERE DO I START?

