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Useful and Usable: Usability Testing for Library Website Redesign

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Recommended Citation

Azadbakht, Elena S. and Blair, John, "Useful and Usable: Usability Testing for Library Website Redesign" (2017). University Libraries Workshops and Presentations. 7. http://aquila.usm.edu/libraries_workshops/7

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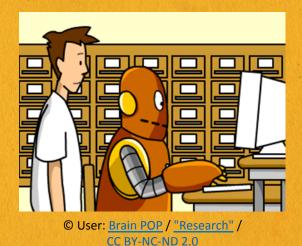


Useful and Usable: Usability Testing for Library Website Redesign

Elena Azadbakht, Health and Nursing Librarian John Blair, Web Services Coordinator October 19, 2017

Session Outline

- Usability defined
- Participants
- Study Design/Script
- Space
- Technology
- Our website usability study
- Future projects
- References





What is Usability?

"Usability is a quality attribute that assesses how easy user interfaces are to use. The word 'usability' also refers to methods for improving ease-of-use during the design process."

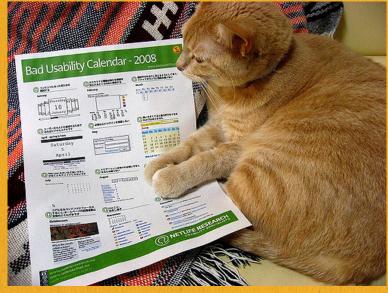
– Jakob Nielsen



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What is Usability Testing?

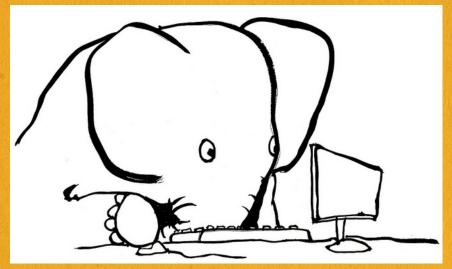


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- Task-based
- Involves real users of the website or product
- Iterative process



Participants



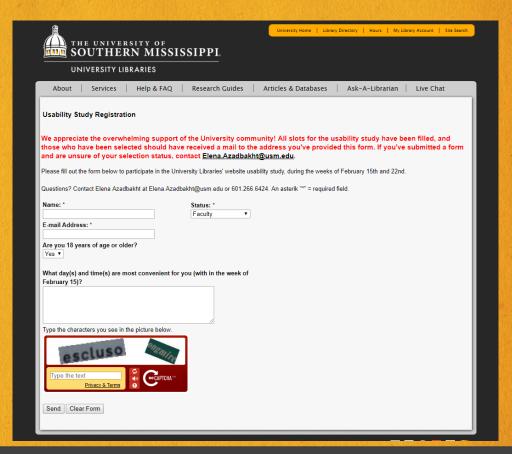
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- 5-6 users is usually enough to identify the majority of a website's usability issues (Virzi, 1990; Nielsen & Landauer, 1993)
- Identity "representative" users/user groups (Nielsen, 2012)
- Compensate them, if possible



Participants

- 24 participants:
 - six undergraduate students
 - six graduate students
 - six faculty members
 - six library employees
- Gift cards
- PR and web form





Tasks/Questions/Script

- Focus on "representative" tasks (Nielsen, 2012)
- Encourage narration/ commentary (Nielsen, 2012)
- Observe resist the urge to step in and help (Nielsen, 2012)!
- Let participants know you are evaluating the site, not them (Krug, 2000; Schmidt & Etches, 2012)



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Tasks/Questions/Script

- 1. How late Cook Library is open on a typical Monday night?
- 2. How could you contact a librarian for help?
- 3. Where would you find more information about services offered by the library?
- 4. Find a book about rabbits.
- 5. Find an article about rabbits.
- 6. Check to see if we have access to the journal Nature.



Space

- Private space with computer.
- A computer lab, empty classroom, or an unused office could suffice.



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Our Space





Technology



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- Video capture of the participant's computer screen
- Video and audio capture of the participant



Screencast-O-Matic

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IRB and Data Management



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- Research with human subjects requires approval from your Institutional Review Board (IRB)
- How to store notes and recordings



Findings

- UL employees and grad students were our "power" users.
- UL employees took the most time to complete tasks, as they would demonstrate multiple paths to an answer.
- Faculty varied widely some were more or less comfortable with technology.
- Undergrads had the most trouble with finding books and the journal by title.



Findings, Cont.

- Answer to each task is within a minimum of 1-2 pages/clicks from the home page.
- Average distance to a solution remained at about 2 page loads, despite some higher than average "website safaris."
- A lot of participants relied on the Primo discovery tool, particularly undergrads.



Findings, Cont.

- Hardly anyone had trouble locating info on services and Ask-A-Librarian.
- Most participants were able to find our hours relatively quickly but expressed an overwhelming interest in having them on the front page.
- The book and journal questions proved most difficult for participants...



Major Pitfalls

- All groups tried using the "Find Databases by Title" search box to find items.
- Many participants had trouble finding books because there was no equivalent to "Articles and Databases."
- Those that tried "Help & FAQ" were sucked into a black hole from which only one in three returned (to complete the task).



Find Databases by Title

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UNIVERSITY LIBRARIES		
	University Libraries / LibGuides / A-Z Databases	
	A-Z Databases	
	Find the best library databases for your research.	
	All Subjects All Specialized Content All Vendors / Providers Search for Databases	Go
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FAQ – Before



University Home | Library Directory | Hours | My Library Account | Site Search

UNIVERSITY LIBRARIES

Help How Do I ? (FAQ) Style Guides Welcome to the University Libraries FAQ. Browse the categories below to find information covering all aspects of University Libraries. Heip Guides Ask the question, "How do I ?" and then fill in the blank. Call Numbers by Floor Ask the question, "How do I ?" and then fill in the blank. Site Map • End Items Get searching tips to help you find resources in University Libraries • How do I find a reserve item? • How do I find resources by subject? • How do I find resources by subject? • How do I find resources by subject? • How do I find dissertations or theses? • How do I find genealogy and census resources? • How do I find genealogy and census resources? • How do I find anage and attases? • How do I find an item in Special Collections? • How do I find anage and attases? • How do I find a attases? • How do I find a fax? • How do I find a attases? • How do I find a attases? • How do I find an item in Special Collections? • How do I find a fax? • How do I i restories and print at University Libraries? • How do I restores from off-campus (remote access)? • How do I restores hom off-campus (remote access)? • How do I i restores hom off-campus (remote access)? • How do I i resto uprive how the aphoticocipies and print at
How Do 1? (FAQ) Libraries. Heip Guides Ask the question, "How do 1?" and then fill in the blank. Call Numbers by Floor Ask A-Librarian Site Map • How do 1 find a reserve item? • How do 1 find a reserve item? • How do 1 find a reserve item? • How do 1 find a reserve item? • How do 1 find a reserve item? • How do 1 find a reserve item? • How do 1 find destants or theses? • How do 1 find destants or theses? • How do 1 find destants or theses? • How do 1 find destants or theses? • How do 1 find destants or theses? • How do 1 find destants or theses? • How do 1 find destants or theses? • How do 1 find an term in Special Collections? • How do 1 find an item in Special Collections? • How do 1 find a textbooks? • How do 1 find a necess electronic resources from off-campus (remote access)? • How do 1 find a net provide and print at University Libraries • What services are available to retired faculty? • How do 1 send a fax? • How do 1 find a typewriter to use? • How do 1 find a typewriter to use? • How do 1 find a typewriter to use? • How do 1 ind a typewriter to use? • How do 1 ind a typewriter to use? • How do 1 ind a typewriter to use? • How do 1 ind a typewriter to use?
How do I reserve a room? How do I find study space?



FAQ – Before, Cont.

About	t Learn about the libraries and their collections
0	How do I find the hours of University Libraries?
0	How do I contact an employee of University Libraries?
0	How do I find the results of the Library Summit held in fall 2005?
0	How do I get a campus map showing the University Libraries in Hattiesburg?
	How do I get floor maps for the University Libraries?
	How do I find information about one of the USM libraries or collections?
0	How do I find information about University Libraries departments?
0	How do I make a donation to University Libraries?
	How do I find information about the history of libraries at Southern Miss?
0	Who is the Anna library catalog named for?
0	How do I apply for a student job at University Libraries?
	How do I find the hours of University Libraries?
0	How do I contact an employee of University Libraries?
	What are the mission, goals, and philosophy of University Libraries?
	More>
 Help (Get help in the form of research guides, tutorials, etc.
	How do I learn more about plagiarism?
	How do I learn more about style guides or citation formats?
	How do I get help trouble-shooting problems with electronic resources and services?
	How do I learn more about the call numbers used by University Libraries?
	How do I learn to use the Anna library catalog?
	How do I get help using one of the article databases?
	How do I ask a librarian for help?
0	How do I use the microform equipment?
	What is media?
0	What is a periodical?
	What is stacks?
0	How do I find the online form I've been asked to submit?
0	How do I find the online form I've been asked to submit?
0	What is a QR Code?
	More>
Relate	ed Services Get answers to some frequently asked questions about related services
0	How do I login to the computers in University Libraries?
0	How do I access the Internet using my own computer?
0	Where can I find test preparation materials?
0	How do I arrange for a proctored exam?
0	How do I get information about the Speaking Center?
0	How do I get information about the Writing Center?
0	How do I get help with online courses and Blackboard?
0	How do I match campus building codes with buildings?
0	How do I find information about the Children's Book Festival?
0	How do I find a notary public?
0	How do I get help using SOAR and other web-based services provided by the university?
0	How do I get help using WebMail?
0	How do I get information about the computer lab Cook Library?
	Mara N

More...>



FAQ – After

Frequently Requested Links		Information
Requested Links	SOUTHERN MISSISSIPPI.	About Us
Plagiarism Tutorial	UNIVERSITY LIBRARIES	Services
Other Tutorials		FAQ
Style Guides	Welcome to our FAQ!	News & Events
Call Numbers	Click on the questions below to reveal the answer.	Contact Us
Purchase Request	Don't see your question, or need additional help? Chat Live with one of our librarians, or send your in-depth question to	
Comment/Suggestion	Ask-A-Librarian. Both links can be found in the "Contact Us" section of this page's navigation.	Live Chat 💬
Resources	How Do I Find Books?	Ask-A-Librarian
Subject Guides	How Do I Find Electronic Books? How Do I Find A Reserve Item?	Employee Directory
	Use the library catalog to find the reserve call number of a print or media reserve and to find the link(s) to an electronic reserve. You may	
Articles & Databases	search for reserves using the instructor's name or the course name.	
Books E-Journals	Begin on the reserves lookup screen in the catalog. To search by instructor, click on instructor search under the course reserves heading and type all or part of the instructor's last name. Then click Submit.	
My Library Account	To search by course name, click on the course search under the course reserves heading, type all or part of the course name, such as Introduction to Computing, and then click Submit.	
	How Do I Find Articles?	
	How Do I Find Non-USM Dissertations and Theses?	
	How Much Does It Cost To Print?	
	How Do I Print?	
	How Do I Send A Fax?	
	How Do I Reserve a Group Study Room?	
	Where Can I Find Test Preparation Materials?	
	Comments Policies Giving Friends of University Libraries University Home	

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Stray Observations

- Ask-A-Librarian... "That's a phrase that's very easy to understand."
- "I don't know what E-Reference means."
- "E-reference is confusing...I don't think that there's anything intuitive about that."
- "Your colors are great."
- Research Guides vs. Subject Guides. "I don't think students think of what they are doing as research."

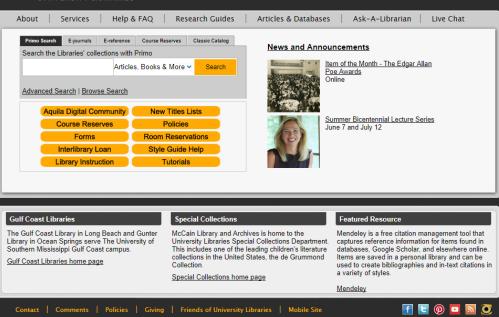


Before



University Home | Library Directory | Hours | My Library Account | Site Search

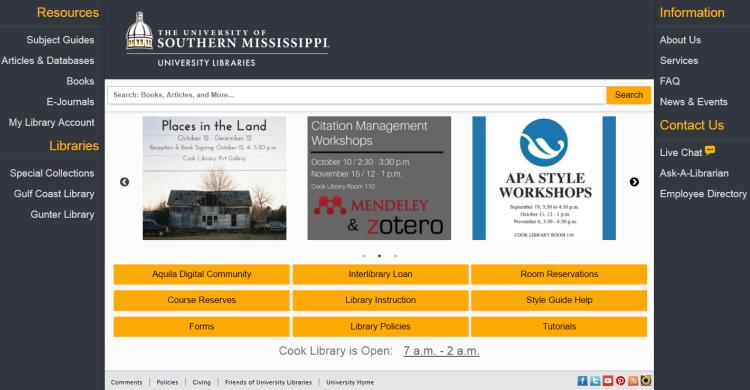
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After



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Mobile Before and After

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Future Projects





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Questions?



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