

Re-Imagining the Library Website

Rachel Vacek, Head of Web Services, University of Houston Libraries

OK-ACRL Conference | 11.6.2015 | slideshare.net/vacekrae

UNIVERSITY of HOUSTON



UNIVERSITY of **HOUSTON** | LIBRARIES







Web Services department

We specialize in web and software development, user research, usability testing, interaction design, graphic design, system administration, system integration, content strategy, digital library development, and project management.

re-imagine

verb re·imag·ine \,rē-i-'ma-jən\

- : to imagine again or anew
- : to form a new conception of
- : re-create

imagineer

imagine + engineer = imagineer

Imagineering

~~Re-Imagining~~ the Library Website

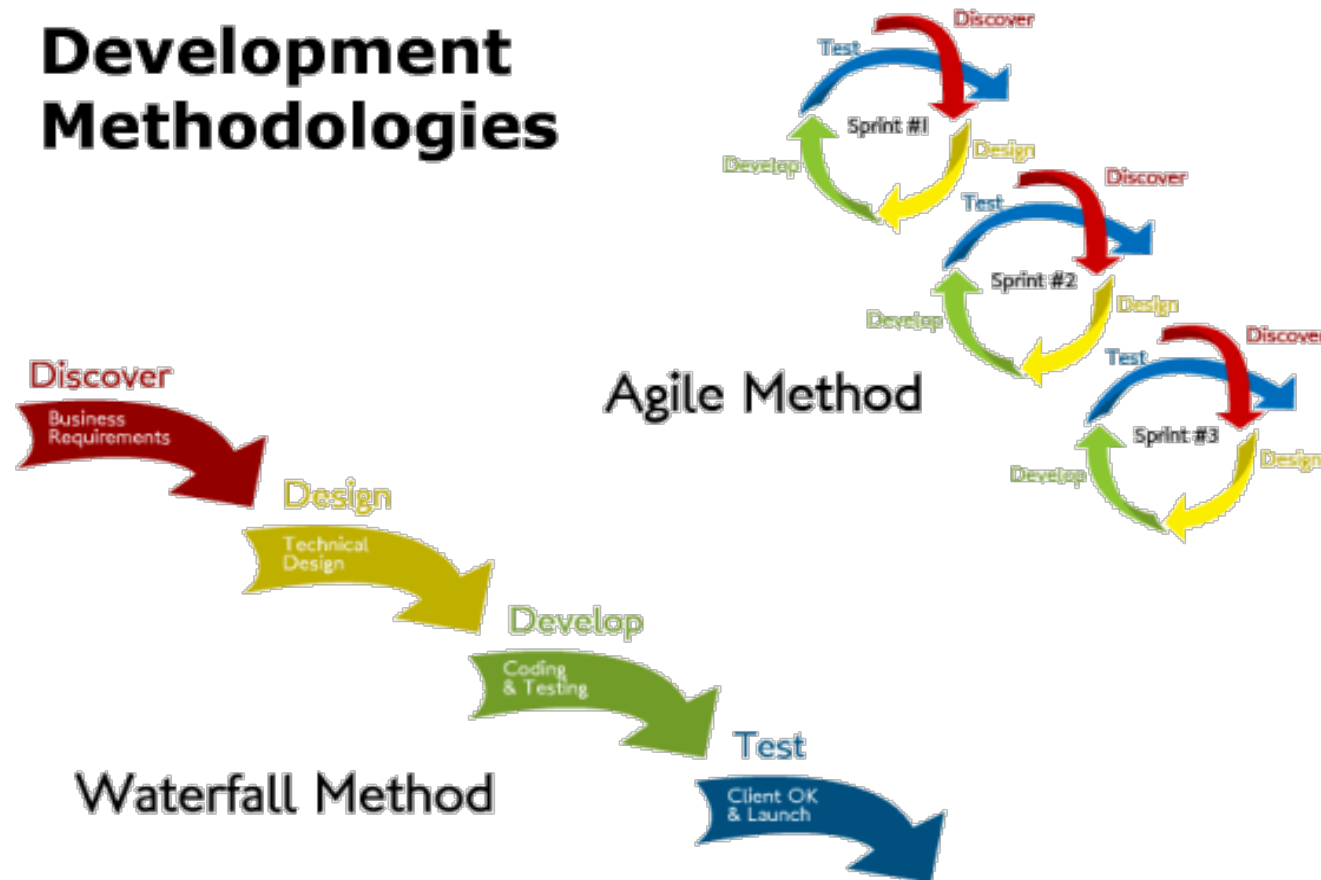
Rachel Vacek, Head of Web Services, University of Houston Libraries

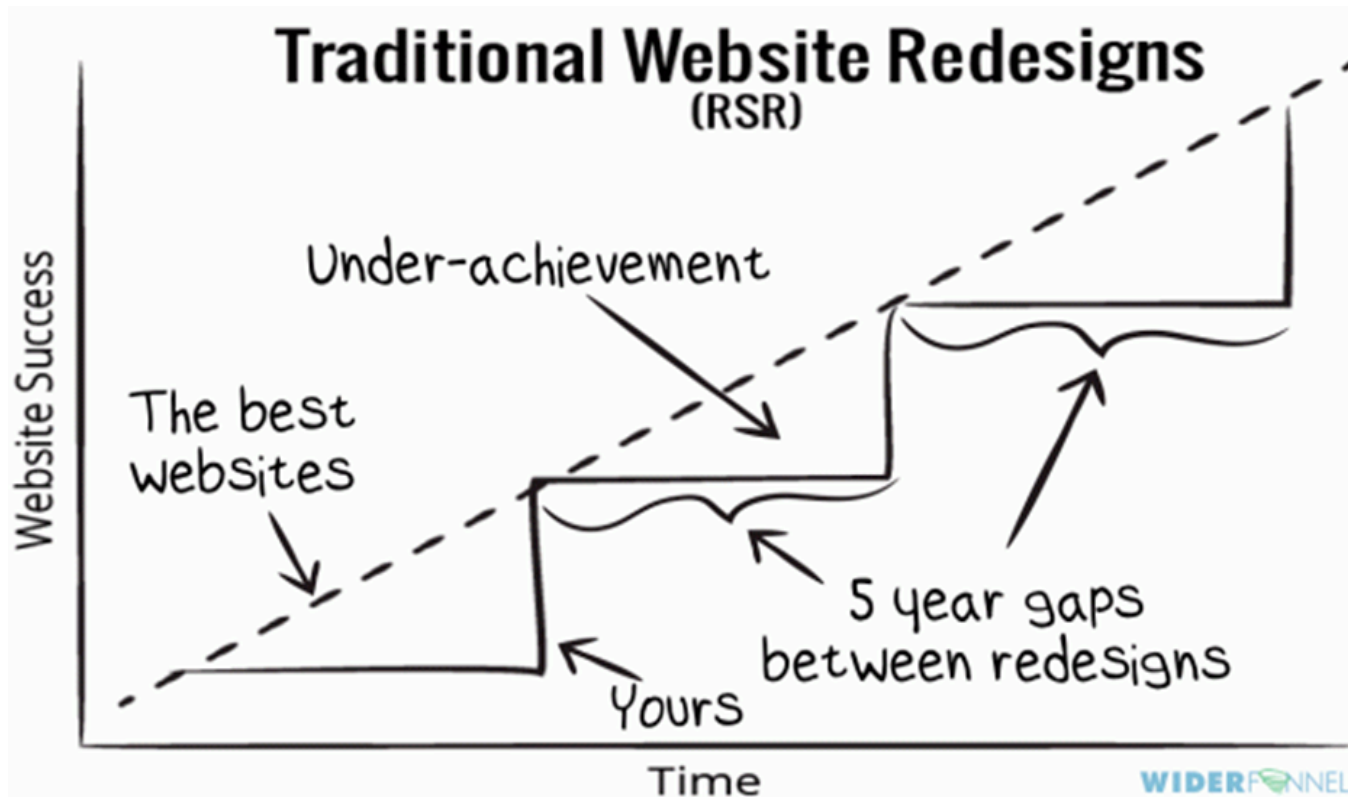
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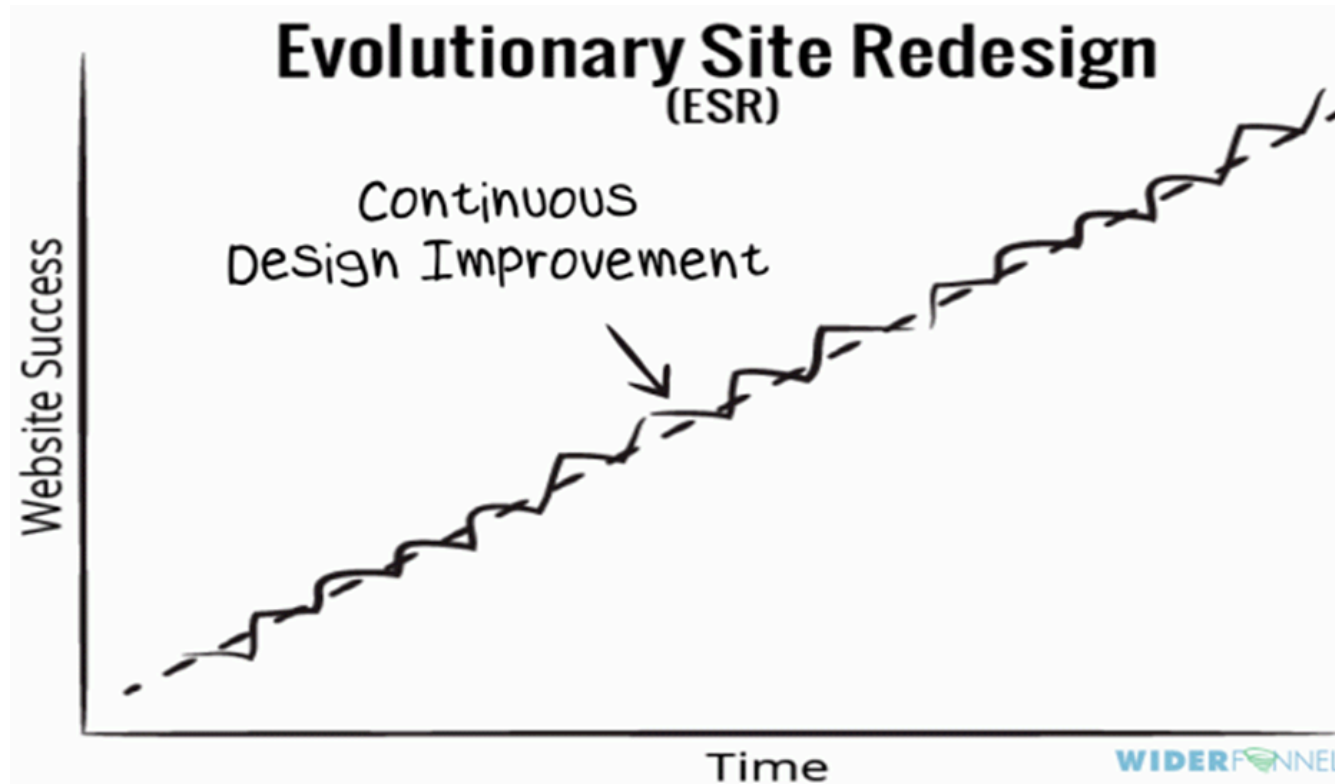
- I. Evolution of website redesign
- II. Web design trends
- III. User expectations
- IV. How libraries can imagineer

I. Evolution of website redesign

Development Methodologies







Small **iterative** change
spreads out the cognitive load
required to learn new things
on a site.

- Aaron Schmidt, INFLUX



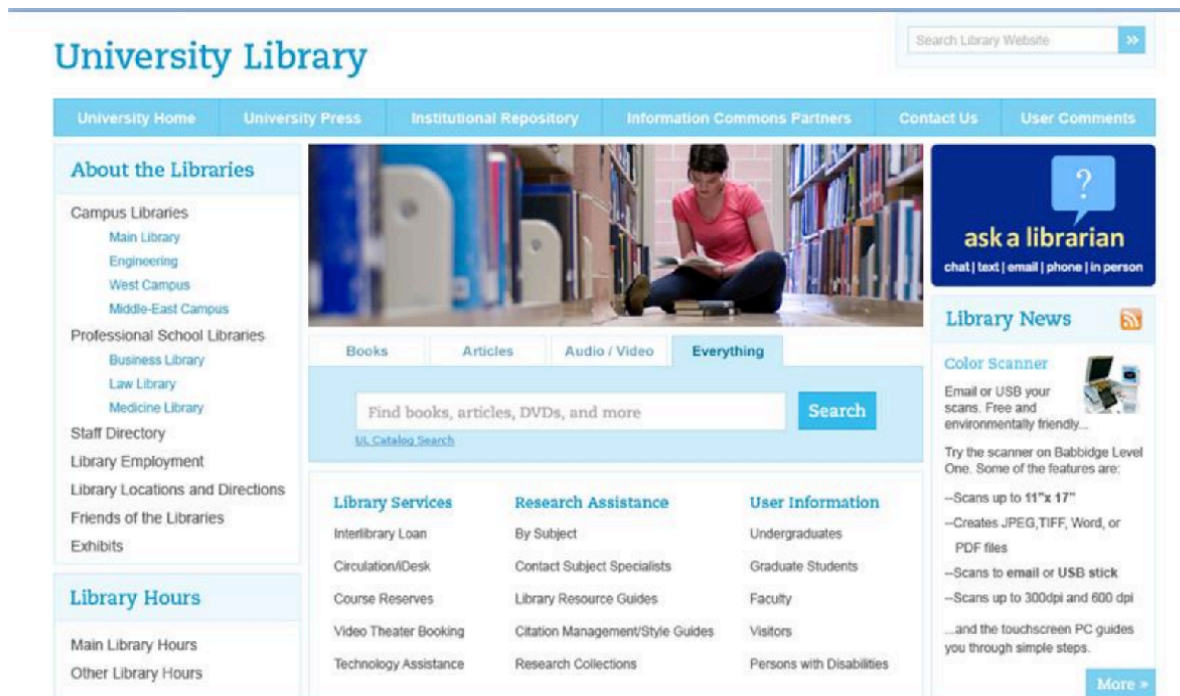
http://www.uie.com/articles/death_of_relaunch/

@vacekrae

II. Web design trends

Best practices in 2011

Table 5: A Prototype of a “Best Practice” in Academic Research Library Website Design





Web design trends

Responsive design

More emphasis on typography

Large and beautiful
background images

Large and unobtrusive video

Scrolling instead of clicking

More and larger touch targets

Flat design

Microinteractions

Personalized storytelling

Personalized user experience

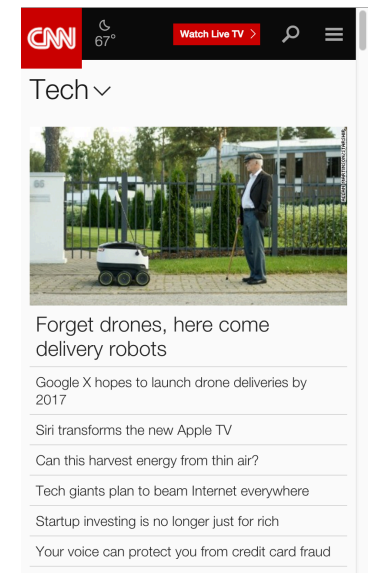
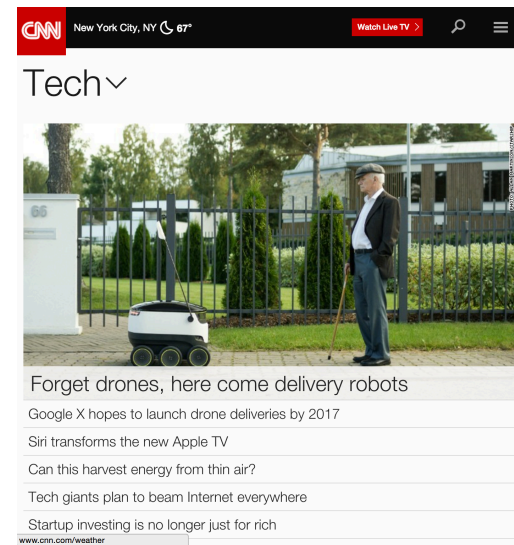
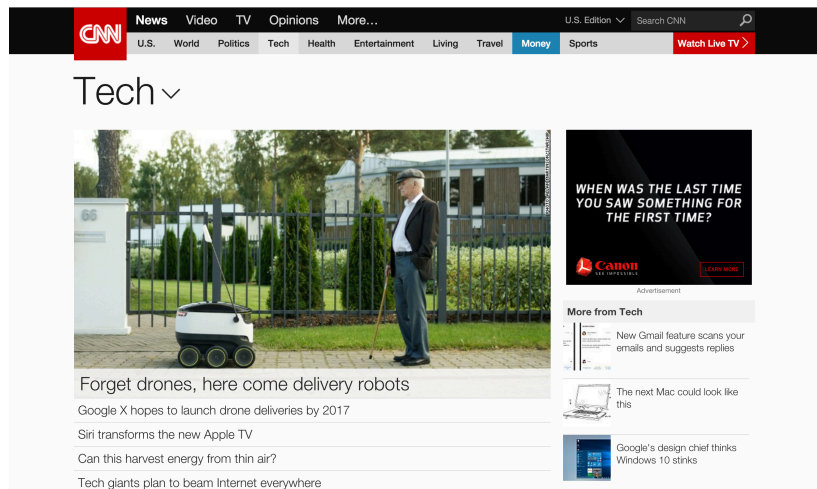
Grid style layouts

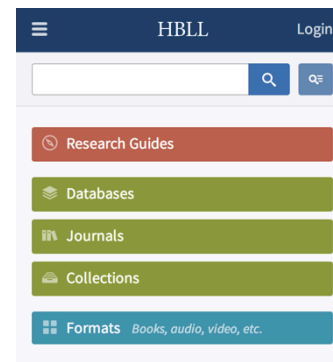
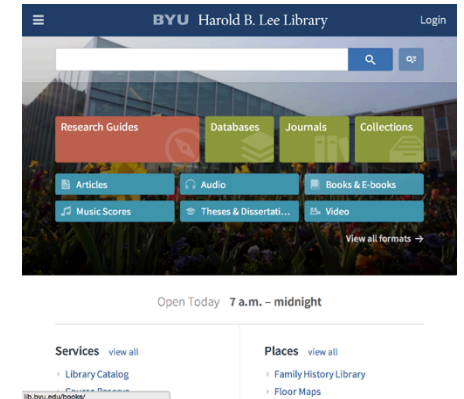
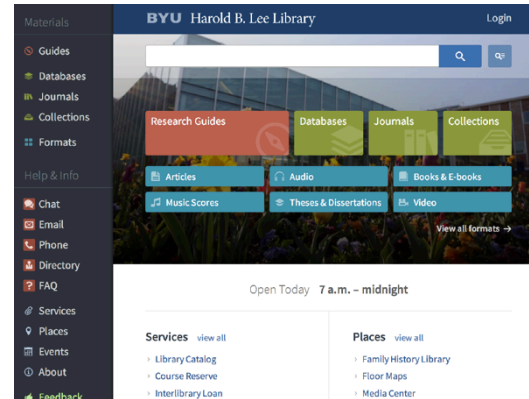
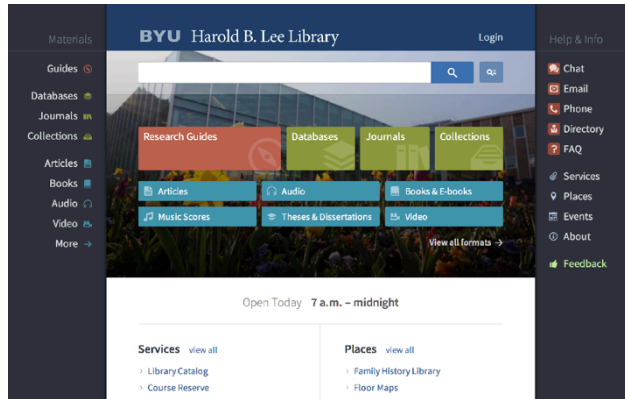
Scalable vector graphics

Mega navigation menus

Expanding search bars

Responsive design





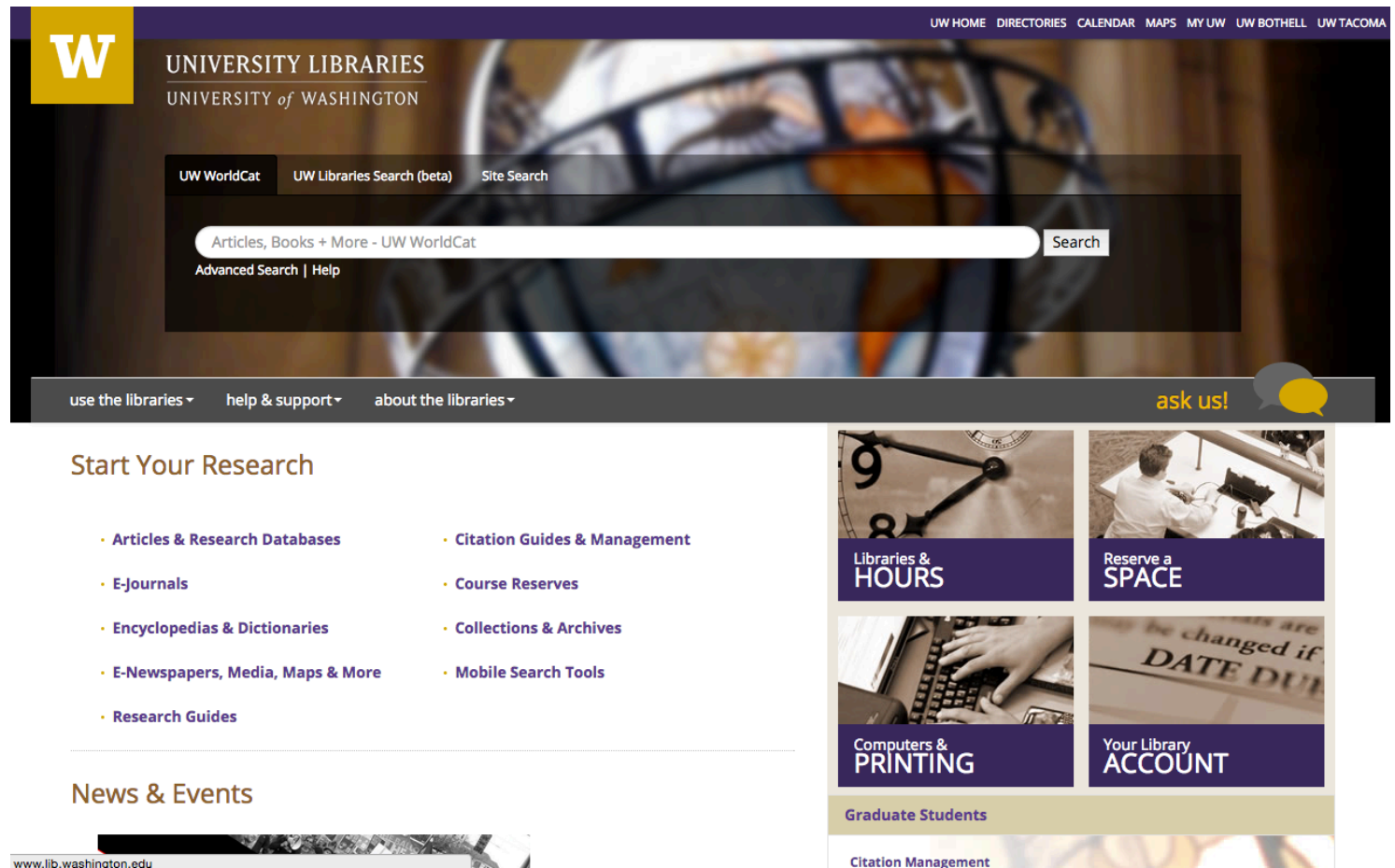
5 different responsive sizes for BYU's library website



Large
background
image

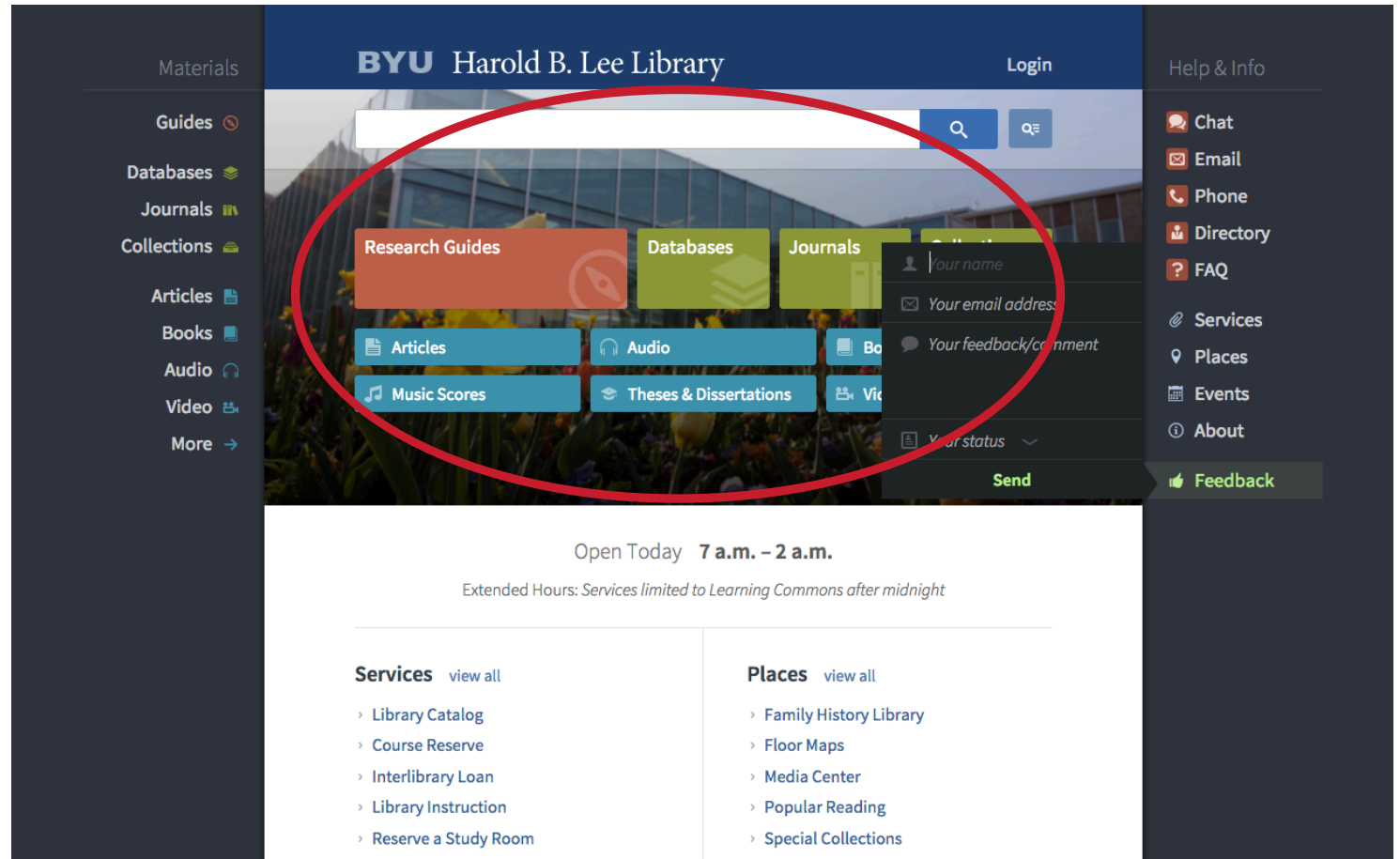
Large touch
targets

Grid style
layout



Large touch
targets

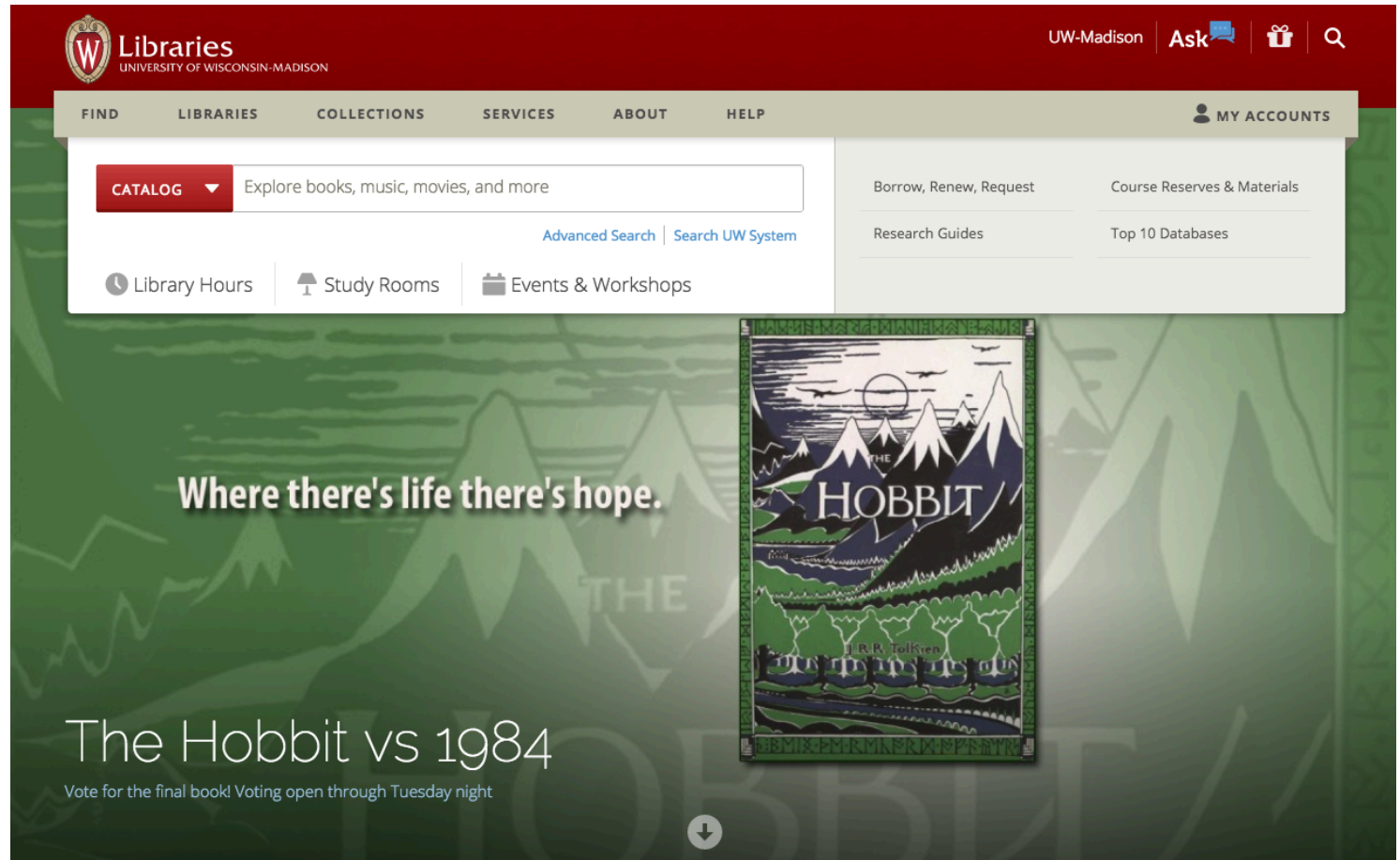
Large
background
image



Large
background
image

Parallax
scrolling

Flat design

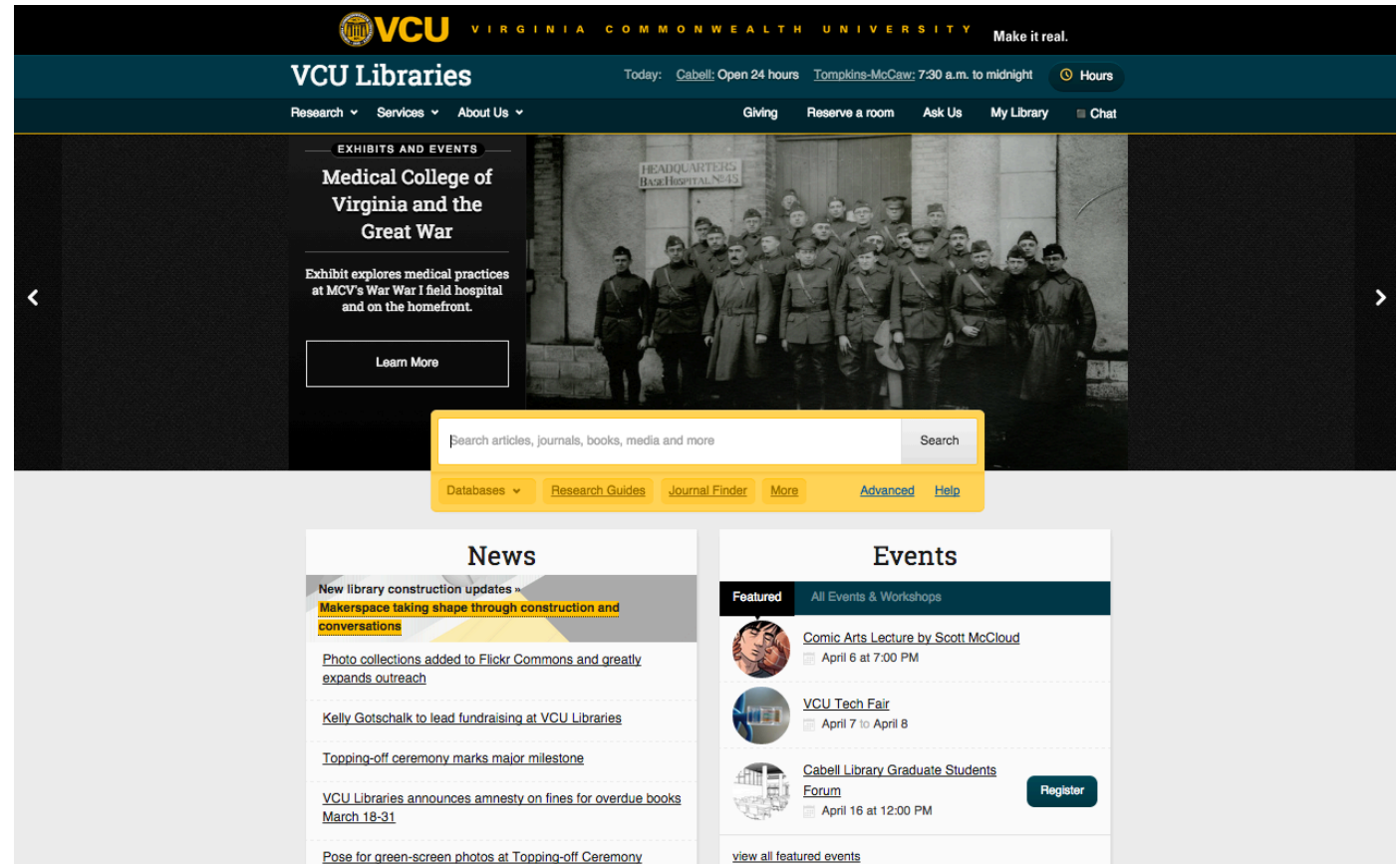


Large
background
image

Long pages
that scroll

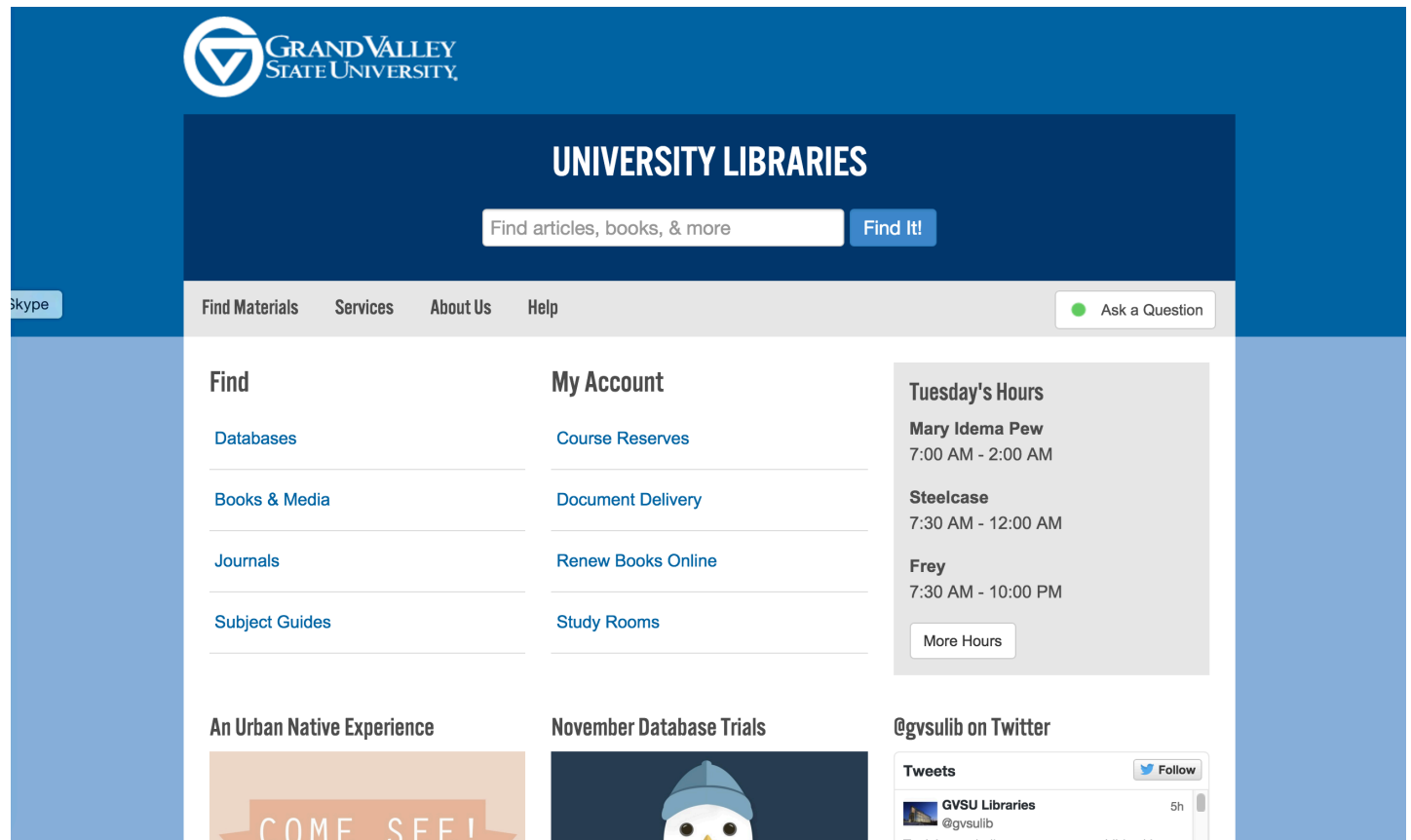
Scalable vector
graphics

Flat design



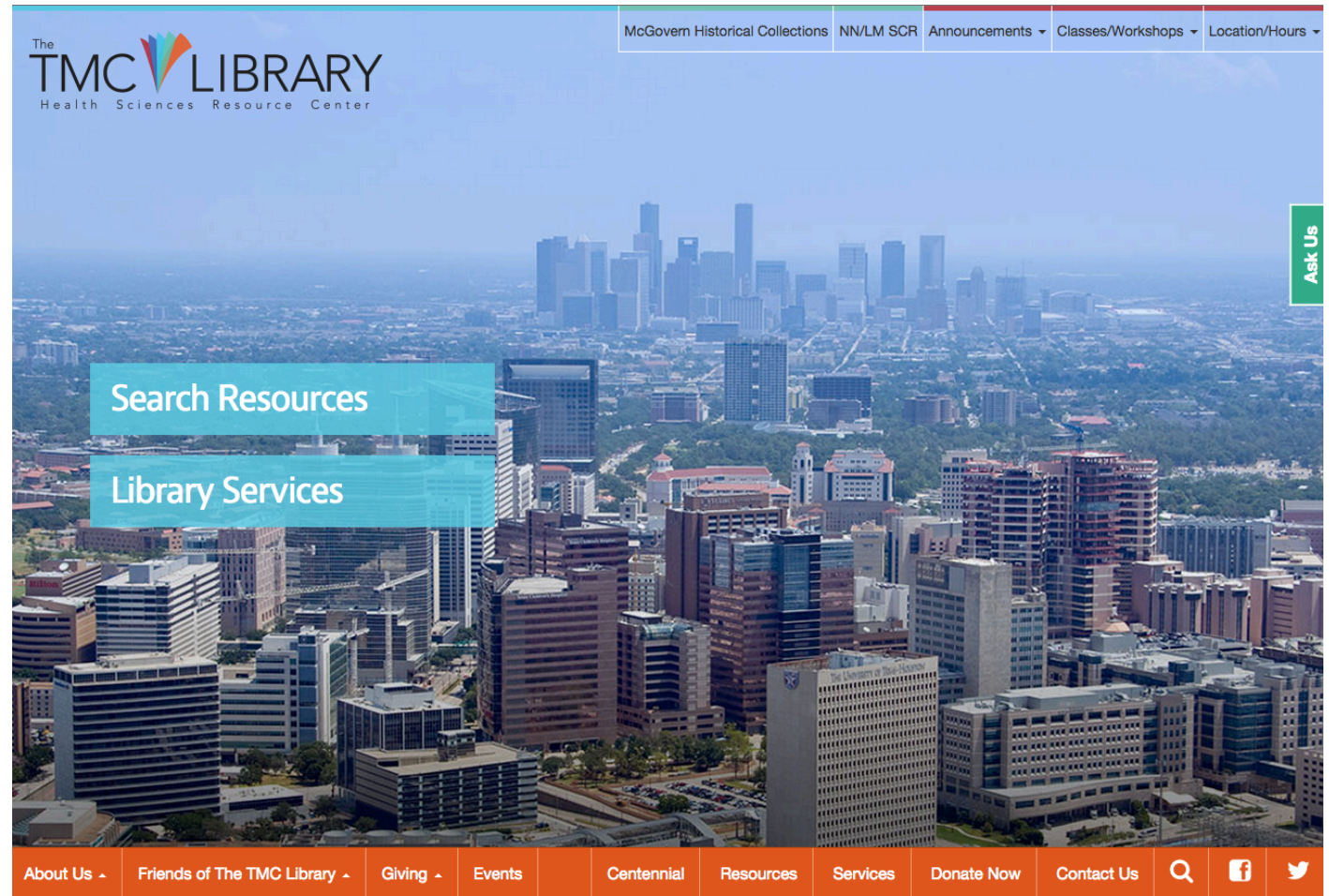
Longer
pages that
scroll

Flat
design

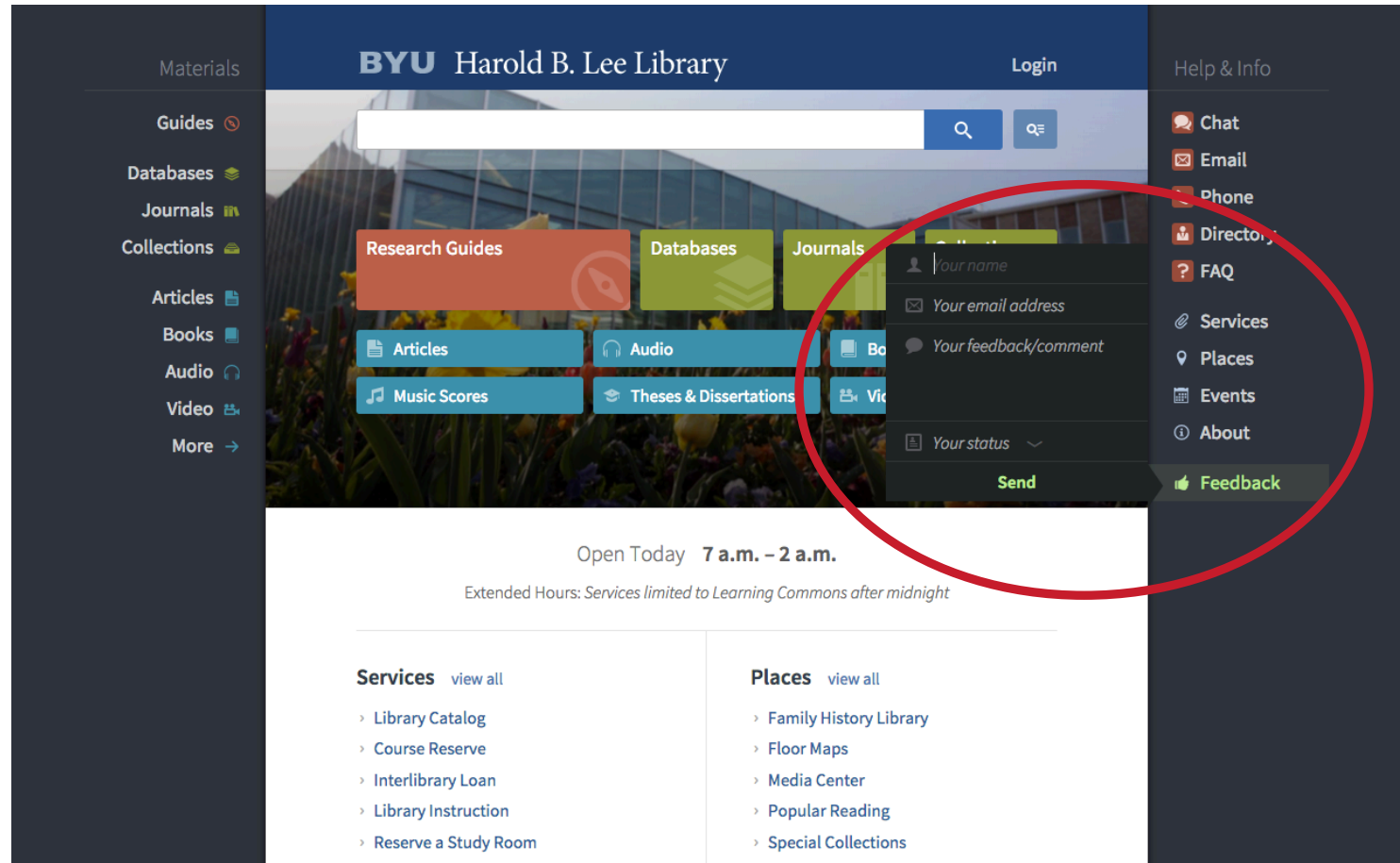


Large
background
Image

Scalable
vector
graphics



Micro-interactions

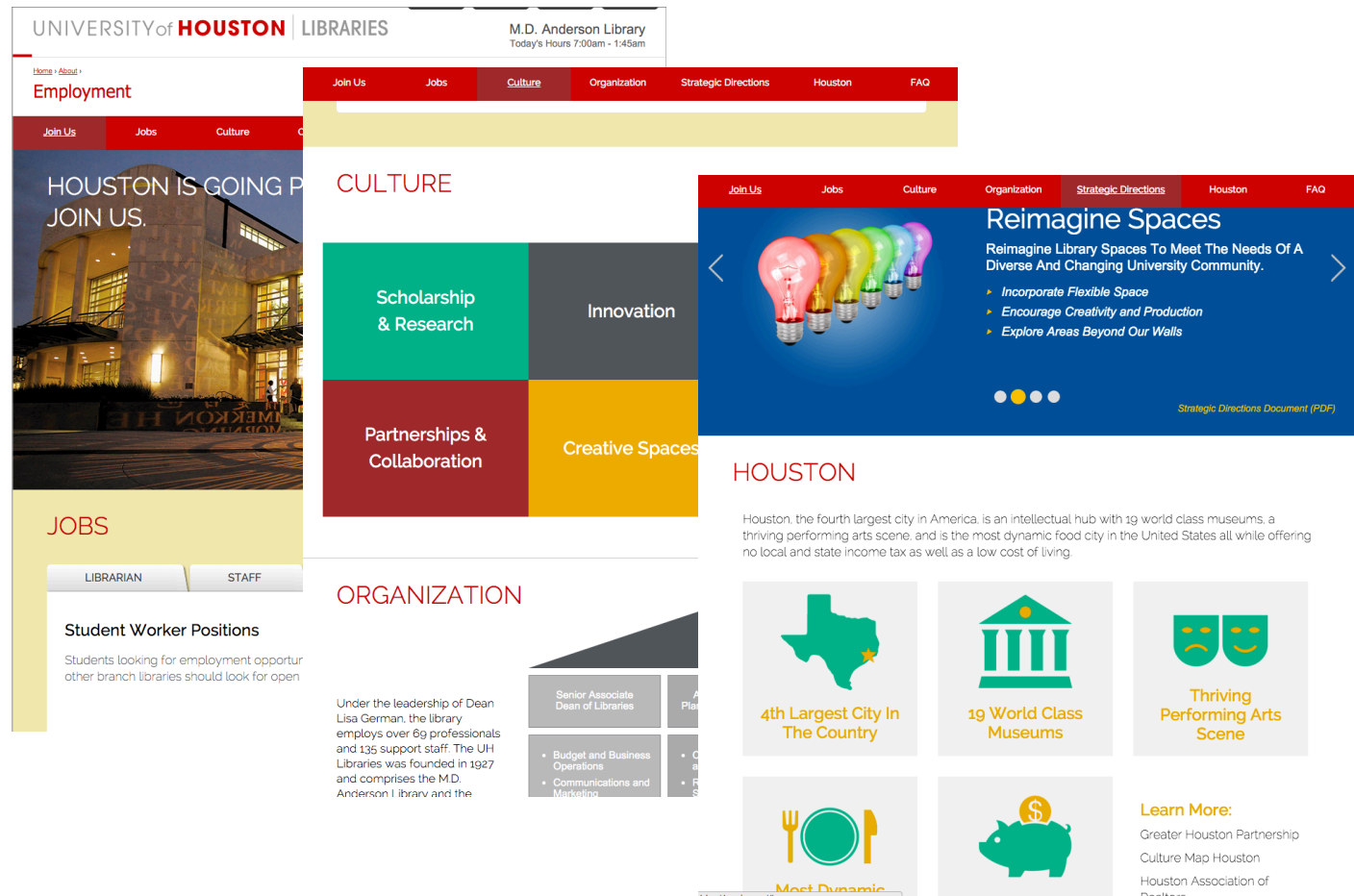


Long scrolling
pages

Large
background
images

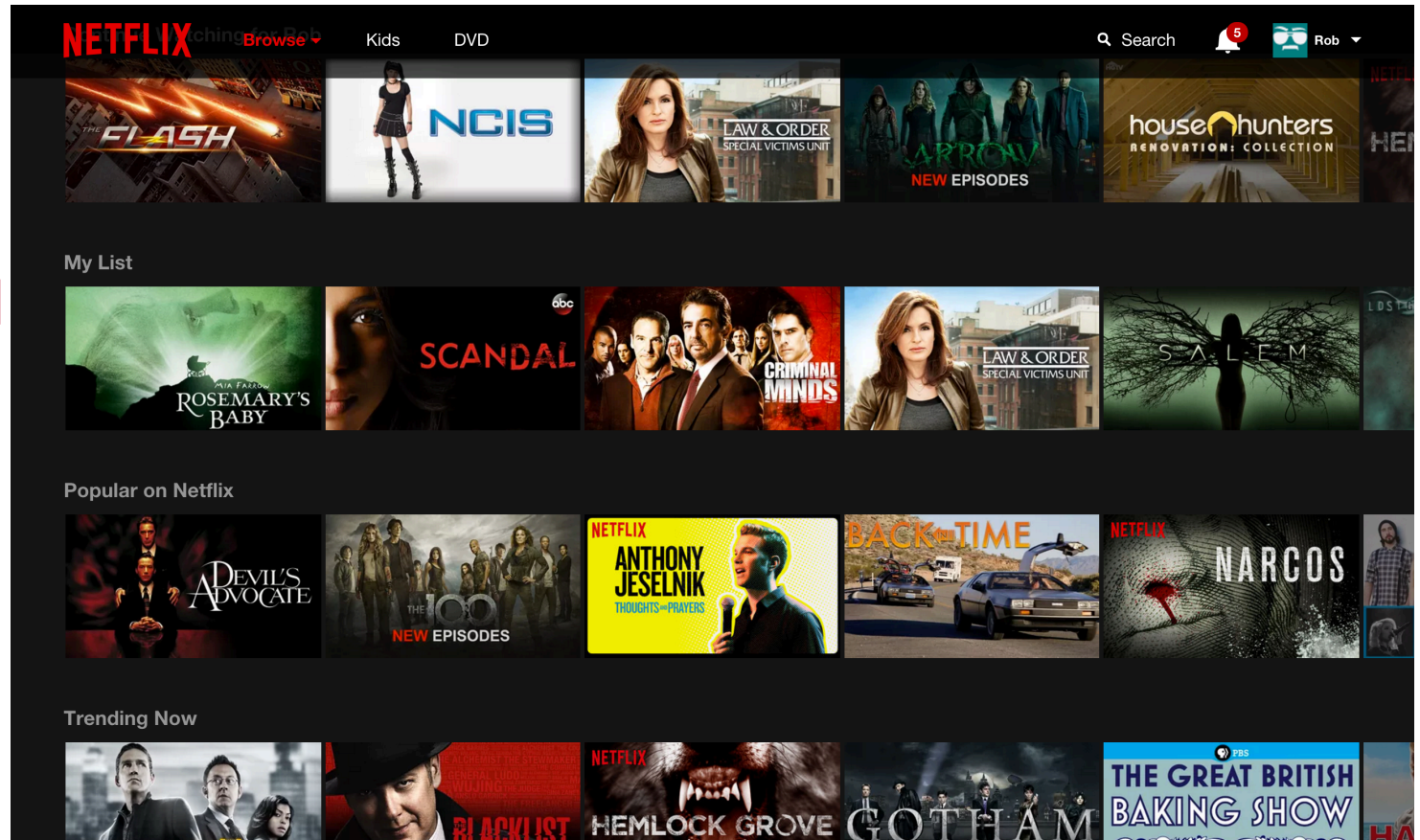
Flat design

Grid layout

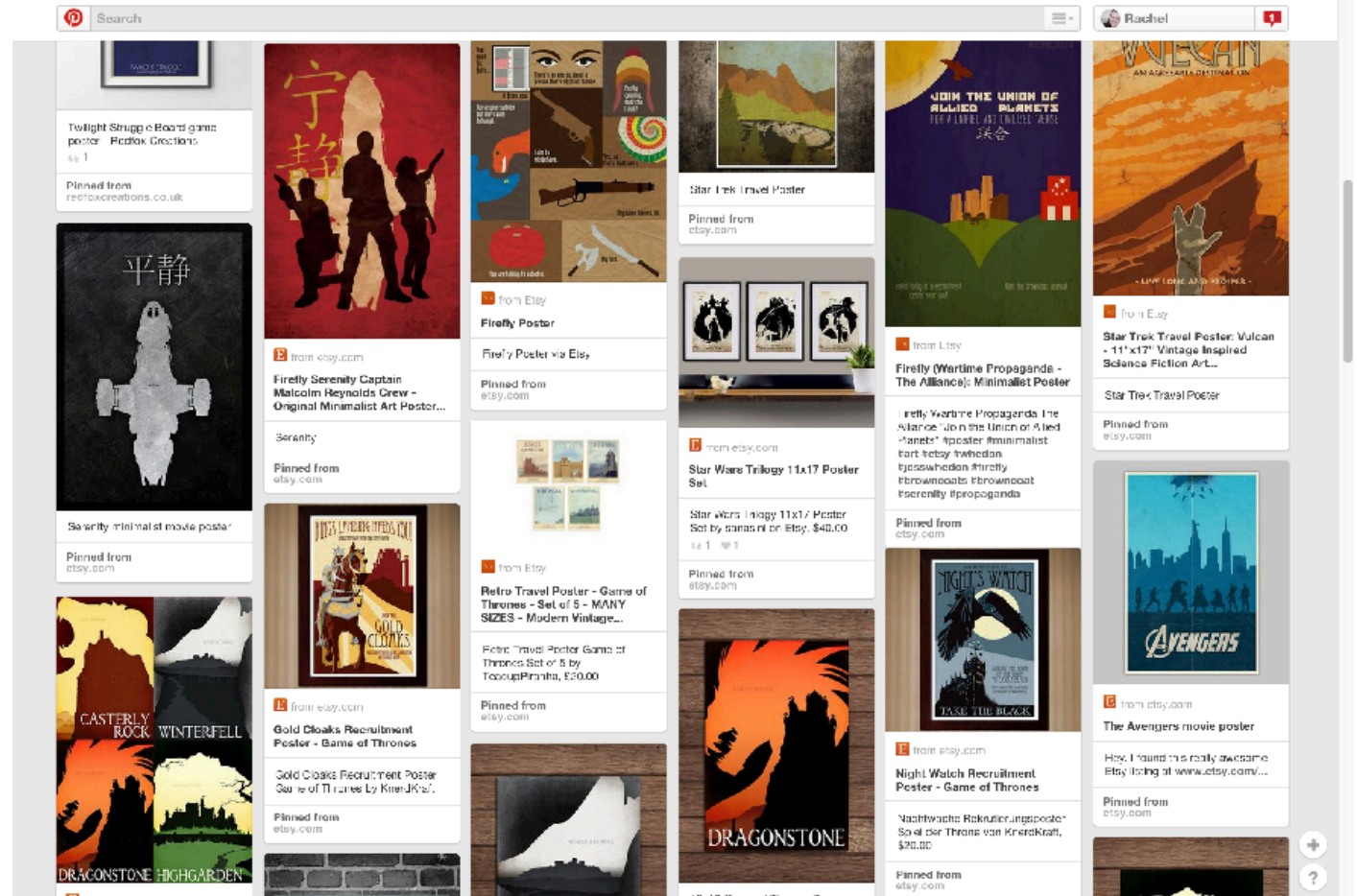


Grid or tile
layout

Personalized
user
experience



Grid or tile layout




Personalized user experience

Customers Who Bought Items in Your Wish List Also Bought

Page 1 of 8





Magic: The Gathering
Arena of the Planeswalkers
★★★★★ (82)
\$29.73 ✓Prime

Add to Cart

Add to Wish List



Roll for the Galaxy Board
Game
★★★★★ (57)
\$41.10 ✓Prime

Add to Cart

Add to Wish List



Descent Second Edition:
Visions of Dawn ...
★★★★★ (5)
\$24.93 ✓Prime

Add to Cart

Add to Wish List



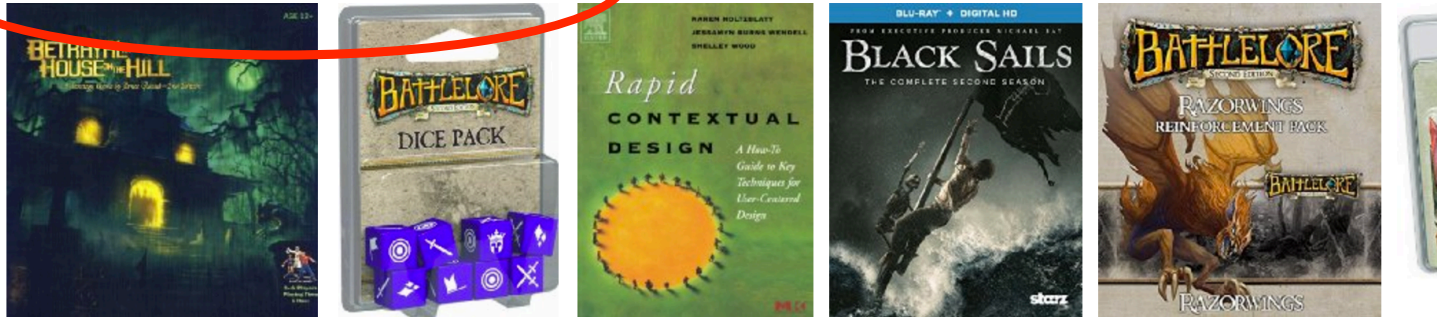
Mysterium Board Game
★★★★★ (11)
\$37.20 ✓Prime

Add to Cart

Add to Wish List



Get Yourself a Little Something [See more](#)



New For You [See more](#)



Grid layout at NCSU

Long pages
that scroll

oft Outlook

Naming Opportunities

Powered By

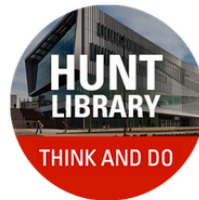
CONTACT

Contact Us

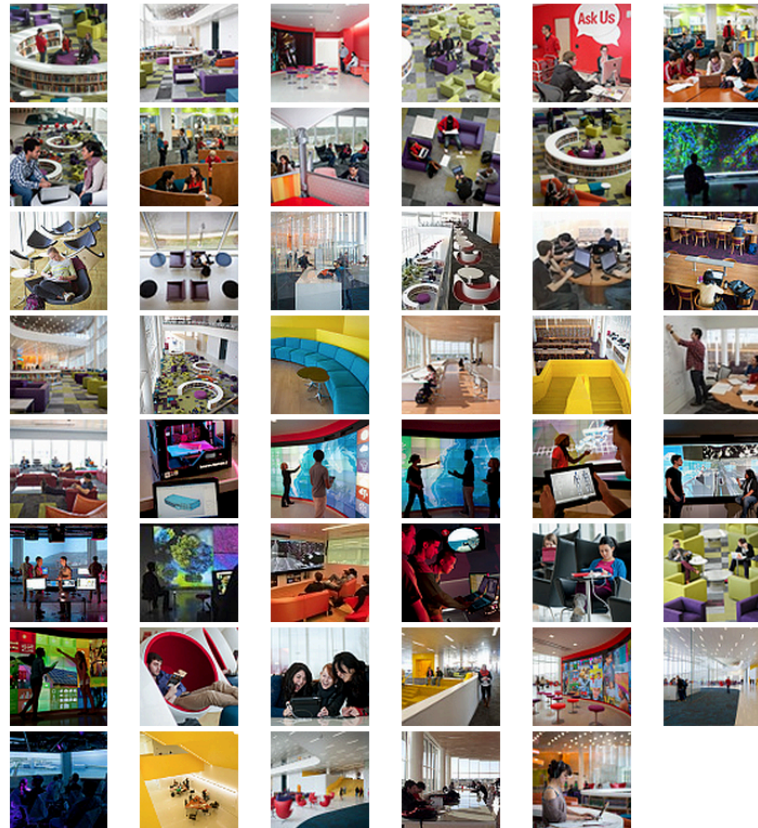
1070 Partners Way
Campus Box 7132
Raleigh, NC 27606

919-515-7110

huntlibrary@ncsu.edu



Interior Photos

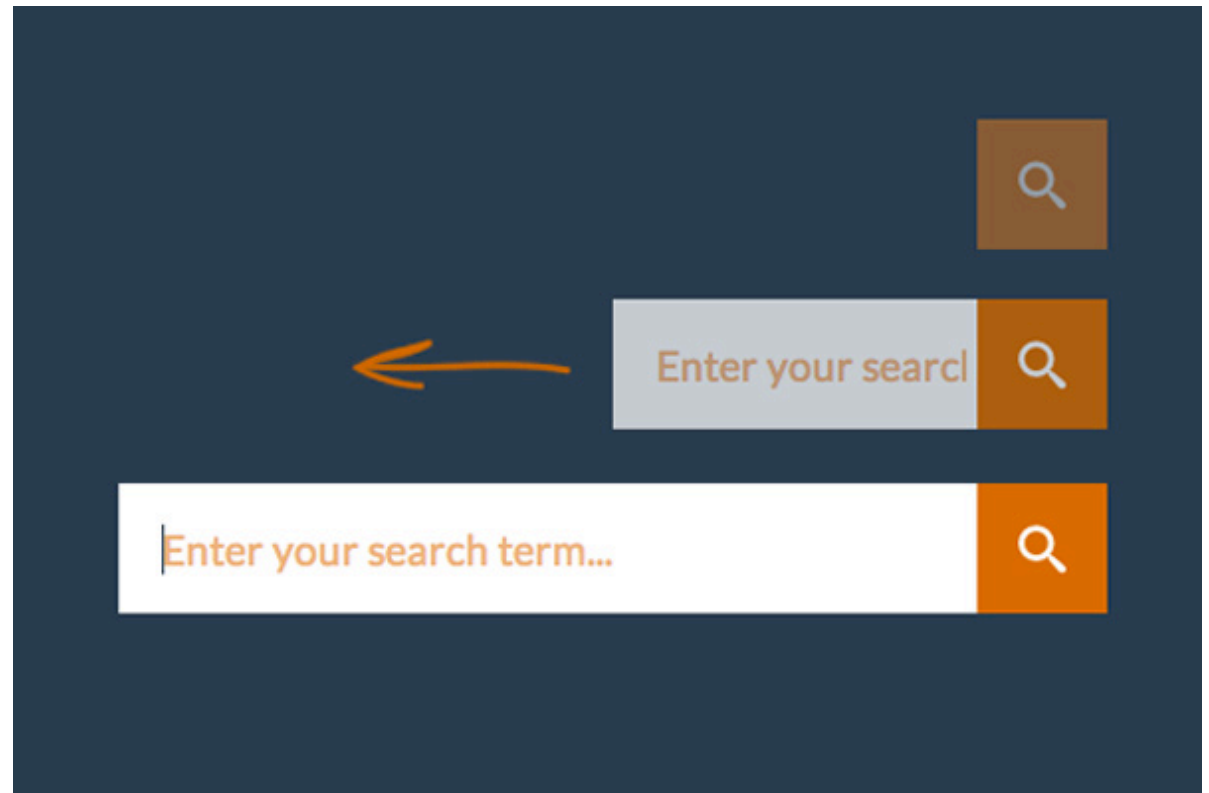


Exterior Photos

Give us feedback

@vacekrae

Expanding search box



Mega navigation menus

The screenshot displays the Virginia Tech University Libraries website. The header features the Virginia Tech logo and the text "University Libraries". A search bar is located in the top right corner. Below the header, a navigation bar includes links for "QUICKLINKS", "Ask a Librarian", "How do I...", "Information for...", "Search...", "Forms", and a phone number "540-231-8170". A mega navigation menu is open under "Information for...", listing categories: Undergrad students, Graduate students, Faculty, Distance learners, International students, and Visitors/alumni. Each category has a list of sub-links. To the left of the menu, there are portraits of library staff. Below the menu, there is a search bar with options for "Summon", "Addison", "Databases", and "Course reserves". A "What is Summon?" link is also present. On the right side, there is a "Sign In" button and a section for "Announcements" with a link to "Registration open for 2015 Data Management Bootcamp".

VirginiaTech
Invent the Future

University Libraries

Library web Summon
Enter keyword search GO
A to Z Index Library staff

QUICKLINKS Ask a Librarian How do I... Information for... Search... Forms 540-231-8170

Undergrad students
Access resources
Help using the library
Intro to academic research
Library spaces

Graduate students
Access resources
Teaching support
Research support
Publishing services

Faculty
Access resources
Research support
Teaching support
Publishing services

Distance learners
Access resources
Help using the library
Intro to academic research
Services for distance learners

International students **Visitors/alumni**

Search for books, articles, and more only books only e
Search library content and beyond Search Summon
Advanced search Summon help Use subject specific databases

[What is Summon?](#)



Off Campus Sign In


Announcements
Registration open for 2015 Data Management Bootcamp

www.lib.vt.edu/info/index.html

Mega navigation menus

< NC State Home

RESOURCES  search ncsu.edu 

 **NCSU LIBRARIES** FIND GET HELP SERVICES LIBRARIES ABOUT

More Research Tools: [Databases](#) | [Journal Titles](#) | [Citation Builder](#)

Technology

[Create Digital Media](#)
[Makerspace](#)

Studying

[Reserve a Room](#)
[GroupFinder](#)

Courses

[Course Tools](#)
[Course Reserves](#)
[Textbooks](#)

Tripsaver
Borrow, Renew, Request
Computing
Create Digital Media
Disability Services
Distance Learning

Makerspace
GroupFinder
Reserve A Room
Print, Copy, Scan
Suggest A Purchase
Technology Lending

Faculty/Instructors
Graduate Students
Research Support

Search books, articles, library websites...

More Research Tools: [Databases](#) | [Journal Titles](#) | [Citation Builder](#)

Technology Studying Courses

> [Create Digital Media](#) > [Reserve a Room](#) > [Course Tools](#)

> [Makerspace](#) > [GroupFinder](#) > [Course Reserves](#)

> [Textbooks](#)

Available Now [Reserve a Room](#) | [Borrow Technology](#)


D. H. Hill Library

James B. Hunt Jr. Library


Study Rooms 3

Laptops 40

Tablets 24




Featured Library Story




News


Technology, innovative spaces, new library resources, and more...



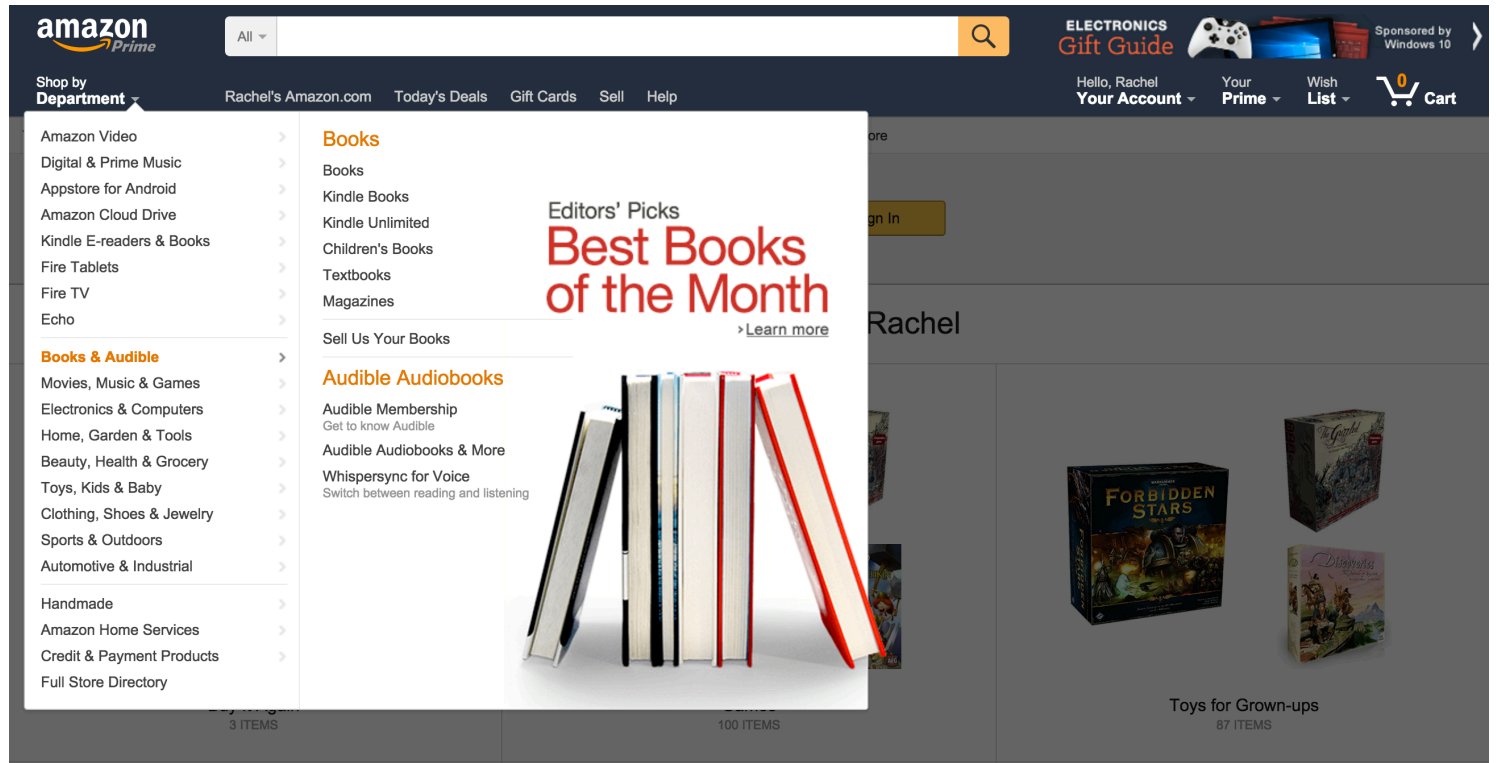
Events




www.lib.ncsu.edu/services



Mega navigation menus



Personal portraits



My Account ★ Favorites Log in

Services Libraries & Departments About

MGet It Search Tools Catalog (Mirlyn)

Search MLibrary ArticlesPlus Catalog

Browse

Get Help

Search

Search

- Recommended Resources by Subject -

Ask a Librarian Using the Library

[Home](#) > Ken Varnum

Ken Varnum



Web Systems Manager

About

I manage [Library Web Systems](#), the department responsible for the library's [web site](#), including [ArticlesPlus](#) (our Drupal implementation of Serials Solutions' Summon using its API), Library Favorites, [Search Tools](#), and the library's proxy server. Our group provides Drupal for other parts of the U-M Library, as well.

I serve on a number of library committees and working groups, including the Library Web Committee, PARC (Public Access Resources Committee), and Senior Managers. Beyond the library, I am a member of the NISO [Open Discovery Initiative](#)'s Standing Committee, serve on the LITA Forum Planning Committee, and am a member of the editorial board for [Information Technology and Libraries \(ITAL\)](#). My blog about libraries and technology is [RSS4Lib](#).

Background

I received Masters' degrees in [Library Studies](#) (with a concentration in archives) and [Russian & East European Studies](#) from the [University of Michigan](#). Before that, I received Bachelor of Arts degrees in History and Russian from [Grinnell College](#). I have previously worked at Tufts University (Boston), Ford Motor Company (Dearborn, MI), and the Open Media Research Institute (Prague, Czech Republic).

Recent Publications and Presentations

MLibrary Associations

[Library Information Technology](#)

My Links

[Personal Website](#)
[Twitter \(@varnum\)](#)
[RSS4Lib \(my blog\)](#)
[SlideShare \(presentations\)](#)
[LinkedIn](#)

Email

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913 S. University Avenue
Ann Arbor, MI 48109-1190

Google Talk

varnum@umich.edu


Personal portraits

UNIVERSITY of **HOUSTON** | LIBRARIES

SearchServicesAboutHelp

M.D. Anderson Library
Today's Hours 7:00am - 1:45am

Home > About > Staff Directory >



Email:
lmartin3@uh.edu
Phone:
713-743-9649
Department:
Liaison Services
Subjects:
Business Administration
Economics
Hotel & Restaurant
Management
Marketing &
Entrepreneurship

Lisa Martin
Librarian
Business, Economics, and Hospitality Librarian

My Links

- [Research Guides](#)

About

Lisa Martin is the librarian for economics, hotel and restaurant management, marketing and entrepreneurship, and management at the University of Houston.

She works closely with faculty and other librarians to conduct class-based information sessions, schedule research consultations, and manage the electronic and print collections in the areas for which she is responsible.

Her research interests include the use of games in libraries, effective outreach efforts, and the post-graduation information skills of business students.

Background

Lisa received her Master of Library and Information Science from the University of California at Los Angeles. Her bachelors degrees were received from the University of Redlands.

Lisa has worked as a business specialist for the past five years. Institutions where she previously worked include the University of North Dakota and National University.

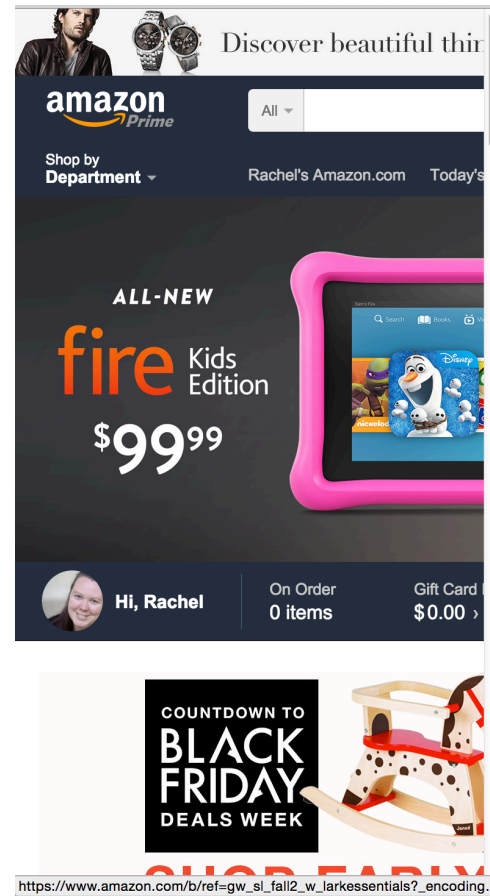
© 2015 The University of Houston, 4333 University Drive, Houston, TX 77204-2000 713-743-1050

Website FeedbackPoliciesGiving to the LibrariesContact UsMaps & DirectionsSite MapMobile Site

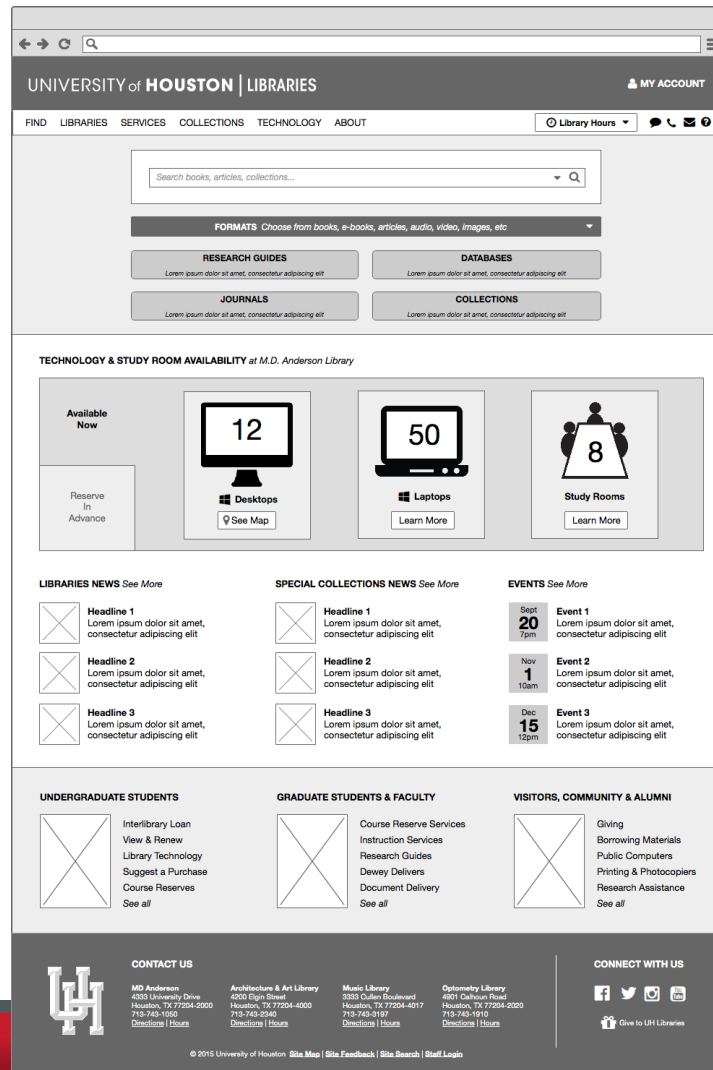
UH HomeUH SystemState of TexasEmergency Site

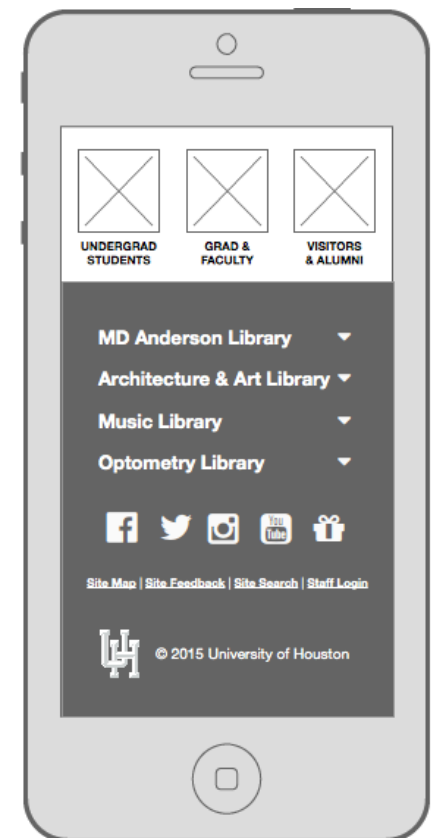
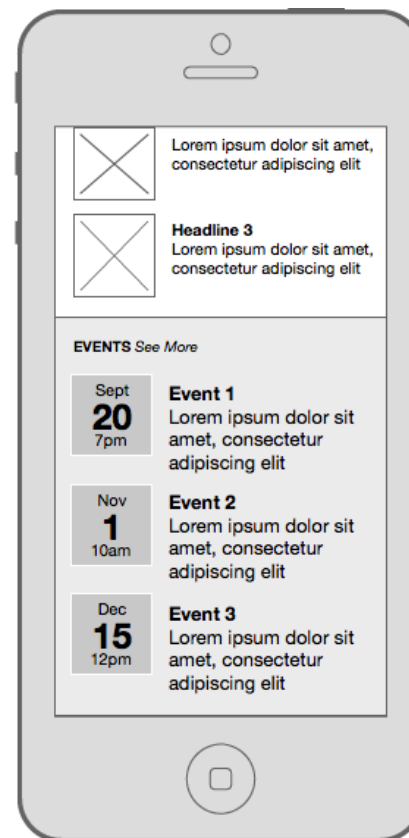
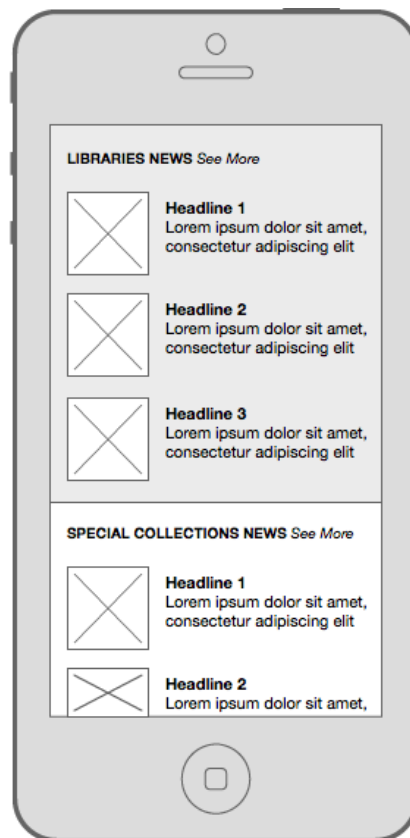
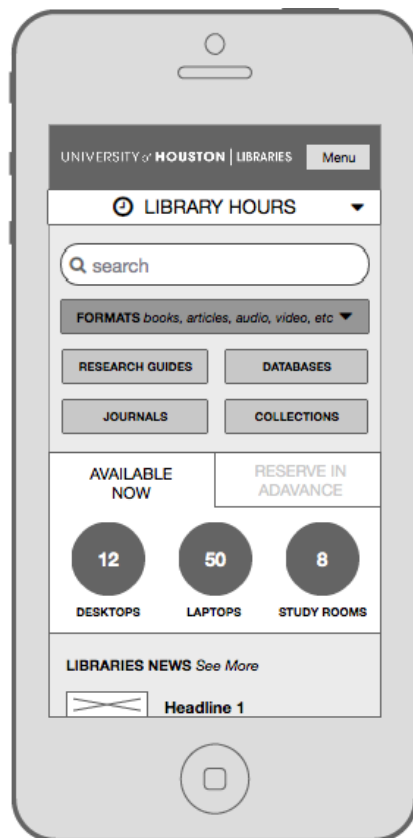
Lots of info crammed
into a page + Lots of
layers = Too complicated
to make responsive

That's why Amazon has
an app users can
download instead



Amazon's
website is
clearly not
responsive to
smartphone
sized devices





III. User expectations

Contextual Inquiry @ UH Libraries

A research study that involves in-depth interviews where users walk through common tasks in the physical environment in which they typically perform

Used to better understand the intents and motivations behind user behaviors

Ethnographic data



User expectations

Full library discovery

Personalized user experience

Get to resources and info quickly - not buried in site

Find resources library has through Google

DRM free resources

E-resources are printer-friendly

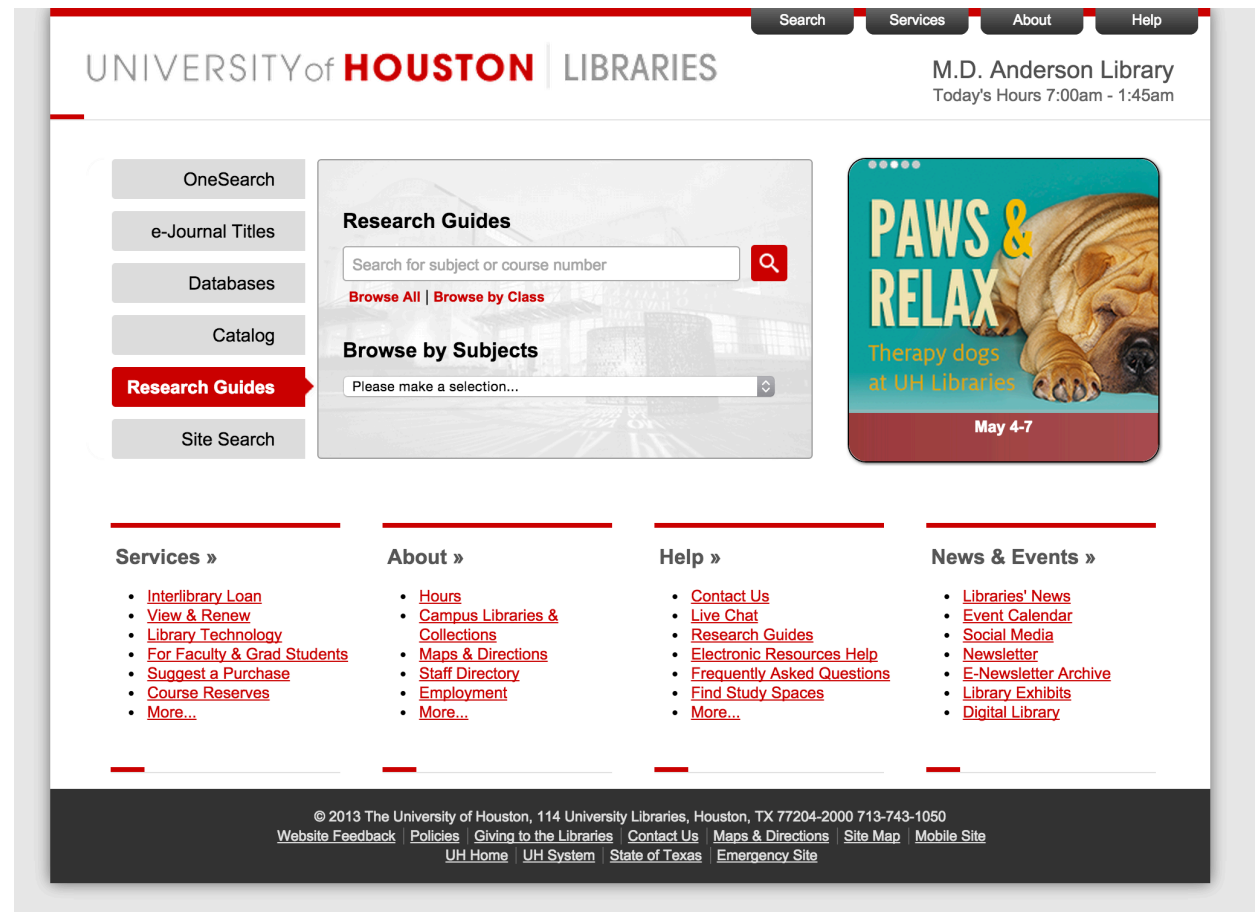
Simple, clean design

Subtle, large background images

Point of need assistance

Mobile friendly

Image gallery
gets ignored
because it
looks like an
advertisement



Too many
options for
most users

[Home](#) »

Databases for Chemistry

[More Info](#) [Full Text](#) [Images](#) [Audio](#) [Video](#)

Core

Title	Information
ScienceDirect	i p
Web of Science (1955-)	i
Wiley Online Library	i p
ACS Publications	i p
CRC Handbook of Chemistry and Physics	i p
Reaxys (1772-)	i p
SciFinder (1907-)	i p

Engineering and Technology

Title	Information
Kirk-Othmer Encyclopedia of Chemical Technology	i p
Knovel	i p

General Resources

Title	Information
WorldCat (1000 BC-)	i

General Science

Title	Information
Nature.com	i p
Science	i p
Science & Technology Collection (1900-)	i p
Scientific American Archive Online (1993-)	i p

Multidisciplinary

Title	Information
Journal Citation Reports (2000-)	i p
ProceedingsFirst (1993-)	i p

Related Links

- [Electronic Resources Help](#)
- [Terms of Use for Electronic Resources](#)
- [Off-Campus Access](#)
- [Access for Alumni and Visitors](#)

Still Need Help?

- [Electronic Resources FAQ](#)
- [Use a Research Guide](#)
- [Contact your Subject Librarian](#)
- [Ask a Librarian](#) - chat, email, phone
- [Report a Problem](#)

Databases

[Q](#)

1 2 A B C D E F G H I J K L
M N O P R S T U V W

[New Databases](#) | [Browse by Subject](#) | [Browse by Type](#)

Too many
options for
most users

Chemistry Resources

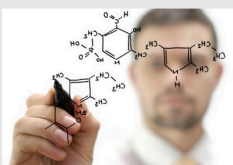
Last Updated: Dec 10, 2014 | URL: <http://guides.lib.uh.edu/chemistry> | [Print Guide](#) | [RSS Updates](#)

[Chemistry Home](#)
[Books and eBooks](#)
[Web Resources](#)
[Property Data](#)
[Writing and Citations](#)
[Chemistry Class Pages](#)
[Careers in Chemistry](#)

[Chemistry News](#)
[TMC Library Cards](#)

Chemistry Home [Print Page](#) Search: [This Guide](#) [Search](#)

Welcome!



UH Chemistry Department

This guide has been created to make finding library and Web Chemistry-related resources easier for you. You can link to databases and other resources directly from this guide, which can be bookmarked on your computer for easy access. If there is a resource that you feel should be included on this guide, please let me know!

Related Guides

Here are some guides on related topics.

Chemical Engineering Resources
by Cherie Turner - Last Updated Aug 26, 2014
721 views this year

Pharmacy Resources
by Cherie Turner - Last Updated Dec 10, 2014
3,360 views this year

Biomedical Engineering Resources
by Cherie Turner - Last Updated Aug 14, 2014
104 views this year

Biology & Biochemistry Resources

New Resources

Here are some chemistry or science databases that are new to UH Libraries!

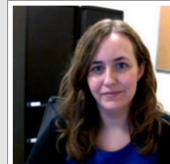
- JOVE - Journal of visualized experiments** [i](#)
Unique journal including peer reviewed papers with videos on the experimental procedure

Core Science Databases

Below, you will find a few of the more commonly used scientific databases that UH subscribes to. For more databases see our listing of [databases by subject](#). You can also see an [A-Z listing of databases](#) or view [new databases](#).

- ACS Publications** [i](#)
The American Chemical Society is the leading publisher of peer-reviewed research journals in the chemical and related sciences.
- CRC Handbook**
This classic Chemistry resource provides broad coverage of all types of physical science data commonly encountered by scientists and engineers.
- Inorganic Crystal Structure Database** [i](#)
Find crystal structure data on inorganic compounds.
- Knovel**
Knovel provides access to reference materials in the fields of engineering and applied sciences. Subject areas covered include: chemistry and chemical engineering, plastics and rubbers, semiconductors, advanced materials, and safety, health and hygiene.
- Reaxys** [i](#)
Search in Reaxys for articles, or by structure for information about a chemical or reaction
- Science**
In addition to providing full-text access to the journal Science, this database offers the latest in science-related news items and a job searching tool!
- Science Direct**
Full text from Elsevier journals!
- SciFinder Scholar** [i](#)
Provides access to Chemical Abstracts including a substructure module searching mechanism and links to the full-text articles.
- SCOPUS**

Contact your Librarian



Cherie Turner

Cherie is currently unavailable.

Please see the [Library Help](#) page for additional information.

Contact Info
email: ckturner2@uh.edu
phone: (713) 743-9768
office: 117U M.D. Anderson Library
[Send Email](#)

Links:
[Profile & Guides](#)

Users look
for PDF icon
to download
or print

Want
consistency
in use of
icons across
systems

The screenshot shows the ScienceDirect website interface. At the top, there's a green header with 'ScienceDirect' and navigation links for 'Journals' and 'Books'. Below this, a search bar and 'Advanced search' link are visible. The main content area is for an article in 'Aquaculture', Volume 240, Issues 1-4, 27 October 2004, Pages 575-587. The article title is 'A simple test to estimate the salinity resistance of fish with specific application to *O. niloticus* and *S. melanotheron*'. The authors are Gilles Lemarié, Jean François Baroiller, Frédéric Clota, Jérôme Lazard, and Antoine Dosdat. The abstract describes a study on the salinity resistance of tilapia and Sarotherodon melanotheron. On the left, there's an 'Article outline' section with links to Abstract, Keywords, Introduction, Materials and methods, Results, Discussion, Conclusion, Acknowledgements, and References. Below this is a 'Figures and tables' section with a 'Table 1' thumbnail. A red circle highlights the 'Download PDF' icon in the top navigation bar. On the right, there are sections for 'Recommended articles', 'Citing articles (26)', and 'Related book content'.

Usable \neq Good user experience

Full library discovery \neq Discovery system

Full library discovery

Discoverability of more than just content and collections

Integrates many existing systems in the library to create search results into “bento box” – results presented by type or resource

Includes:

- People and expertise
- Research guides
- Unique collections and local repositories
- Exhibits
- Specialized services
- Library website content



user experience

Everything

Search

[Advanced Search](#)

[Browse Search](#)

Personalize your results

[Edit](#)

Show only

[Peer-reviewed Articles](#) (48,522)

[Full Text Online](#) (423,366)

[Available in the Library](#) (137)

Resource Type

[Articles](#) (132,607)

[Audio Visual](#) (138)

[Books](#) (4,321)

[Books](#) (135)

[Conference Proceedings](#) (10,304)

[More options](#) ▾

Results 1 - 10 of 423,482 for Everything

Sorted by: Relevance ▾

1 2 3 4 5 ▶



User experience



Stewart, Tom

Behaviour & Information Technology, 03 October 2015, Vol.34(10), p.949-951 [Peer Reviewed Journal]
Taylor & Francis

Article

✓ Full text available

[View all versions](#)

[Preview Online](#)

[Details & Related Links](#)

[More](#)



THE USER EXPERIENCE



Schmidt, A

Library Journal, 2011 May 1, Vol.136(8), pp.18-18

Article

✓ Full text available

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[More](#)

[Times Cited](#)



THE USER EXPERIENCE



Schmidt, A




Library Journal, 2013 Feb 1, Vol.138(2), pp.19-19





Google



Google Search

I'm Feeling Lucky

renu khator

+Rachel

Web News Images Videos Shopping More ▾ Search tools

About 18,000 results (0.45 seconds)

Renu Khator - Wikipedia, the free encyclopedia

en.wikipedia.org/wiki/Renu_Khator ▾ Wikipedia ▾
Renu Khator (Hindi: रेणु खाटोर; born June 29, 1955) is the eighth chancellor of the University of Houston System and the thirteenth president of the ...

Greetings from President Khator - University of Houston

www.uh.edu/president/ ▾ University of Houston ▾
Greetings from Dr. Renu Khator: Chancellor and President, University of Houston.

About President Khator - University of Houston

www.uh.edu ▾ [President](#) ▾ University of Houston ▾
Renu Khator holds the dual titles of chancellor of the University of Houston System and president of UH. The UH System's first woman Chancellor and the first ...

Renu Khator (@UHpres) | Twitter

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Renu Khator Blog | Personal reflections of a university ...


<https://renukhator.wordpress.com/> ▾
Oct 15, 2014 - During the first week of Fall Semester, I visited 17 classes in the hope of reaching out to freshmen in a more personal way, welcoming them and ...

UH gives Khator big bucks to stay - Houston Chronicle

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Renu Khator


Renu Khator is the eighth chancellor of the University of Houston System and the thirteenth president of the University of Houston. She is the first foreign-born president of the university, and the second woman to hold the position. [Wikipedia](#)


Born: June 29, 1955 (age 59), Farrukhabad, India
Education: Purdue University, Chhatrapati Shahu Ji Maharaj University


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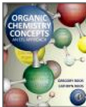
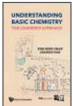
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The screenshot displays the BYU Harold B. Lee Library website. The header includes the library name and a 'Login' link. A search bar contains the term 'chemistry', with search and filter icons. The left sidebar lists various resource categories: Materials, Guides, Databases, Journals, Collections, Articles, Books, Audio, Video, and More. The main content area shows search results for 'chemistry' on page 1 of 4,830,448 results. It includes filters for Availability (Online, Peer Reviewed, Available for Checkout, Available Only in Library, Unavailable) and Type (Articles, Books, Online, Print, Newspaper Articles). A 'Collection' filter is also present. The right sidebar lists 'Research Tools' (Chemistry and Biochemistry, CRC Handbook of Chemistry & Physics) and 'Library Results' (Greg Nelson, Chemical & Life Sciences Librarian). Below this, a specific book entry for 'Organic Chemistry 4th ED' by Smith, Janice is shown, including its availability at the Circulation Desk (QD 253.2 .S63 2014) and a small image of the book cover. The bottom right corner of the sidebar contains a 'Help & Info' section with links for Chat, Email, Phone, Directory, FAQ, Services, Places, Events, About, and Feedback.

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... and the list is growing

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IV. How libraries can imagineer

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Photograph of two men from the North Texas physics department looking at a machine on a table.

[Physics Machine]



Photograph of two men from the physics department looking at a machine on a table.

[Physics Class]



Photograph of a professor and students in a North Texas physics class. They gather around a table with a ruler, scales, and other materials on it.

Physics Building (1959-11-25)



by Douglass, Neal

Exterior of University of Texas Physics Building, University Dr. north of 24th

Physics and Government (1999-08-24)



by Hendry, Nancy H.

In defining the powers and duties of the three branches of government, the U.S. Constitution never explicitly referred to Science, except in the patent clause. But many technical ...

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PHYSICS — From British Qualifications 2014: A Complete Guide to Professional, Vocational and Academic Qualifications in the United Kingdom, 2014

...Membership of Professional Institutions and Associations
INSTITUTE OF PHYSICS AND ENGINEERING IN MEDICINE
Fairmount House
230 Tadcaster Road
York...

Physics — From The Twenties in America, 2012, pp. 675 - 677

...Throughout the 1920s, physics took on a new significance in the United States. Nearly one thousand Americans earned Ph.D.'s in physics in that time, twice...

physics — From The Oxford Companion to Classical Civilization, 2014-01-01

physics — From Mosby's Dental Dictionary, 2013

Physics — From The Thirties in America, 2011, pp. 781 - 784

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Library Website



[Department of Physics Collection | University Archives](#)

The slide collection was used as promotional material for the Department of Physics. The slides contain images of the general campus, student activities, as well as ...

[Department of Physics \(1901 to present\) | University of North Texas ...](#)

Historical Note: Physics was taught as a science class in 1901. In 1913 all the sciences were gathered in one Department of Science. The school tried several ...

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The Sewanee Review, 2015-01-01, Volume 123, Issue 1, p. 8

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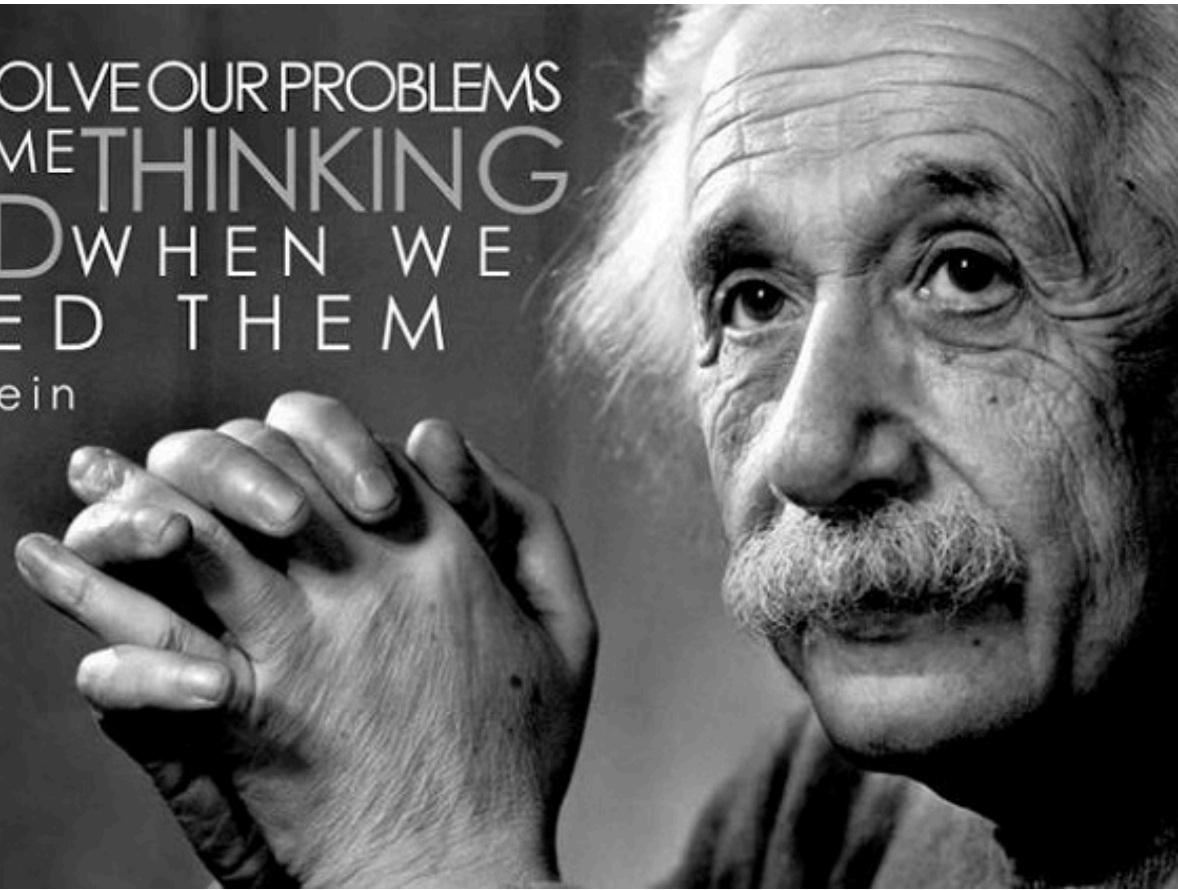
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Dempsey, Lorcan, Constance Malpas, and Brian Lavoie. 2014. "Collection Directions: The Evolution of Library Collections and Collecting" portal: Libraries and the Academy 14,3 (July 2014): 393-423.

<http://www.oclc.org/content/dam/research/publications/library/2014/oclcresearch-collection-directions-preprint-2014.pdf>

Thirteen Ways of Looking at Libraries, Discovery, and the Catalog: Scale, Workflow, Attention

<http://www.educause.edu/ero/article/thirteen-ways-looking-libraries-discovery-and-catalog-scale-workflow-attention>

Varnum, K.J. "Library Discovery From Ponds to Streams." [The Top Technologies Every Librarian Needs to Know](#). A LITA Guide, Chicago, IL: ALA Techsource (2014): 57-65.

Stop Redesigning And Start Tuning Your Site Instead

<http://www.smashingmagazine.com/2012/05/16/stop-redesigning-start-tuning-your-site/>

The Redesign Must Die talk, by Lou Rosenfeld

http://louisrosenfeld.com/home/bloug_archive/2008/04/the_redesign_must_die_talk.html

Thinking about Technology ... Differently, by Locan Dempsey

<http://www.slideshare.net/lisld/thinking-about-technology-differently>

New Media Consortium Horizon Report; 2014 Library Edition

<http://redarchive.nmc.org/publications/2014-horizon-report-library>

Does Discovery Still Happen in the Library? Roles and Strategies for a Shifting Reality, by Roger Schonfeld,

<http://www.sr.ithaka.org/blog-individual/does-discovery-still-happen-library-roles-and-strategies-shifting-reality>

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