

# UX Singularity:

Making a usable, accessible, and inclusive [website](#)

## MiALA 2023

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& Joshua Ethan Sanchez

[bit.ly/UXSingularity](https://bit.ly/UXSingularity)



Libraries

MICHIGAN STATE UNIVERSITY





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Head of UX

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# Additional Team Members

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**Jenny B.**

Digital Interface Designer

**Shelby K.**

UX Designer

**Shel V.**

Web Applications Designer & Developer

# Project Background

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- Website redesign
  - Last redesign > 10 years ago!
- UX research identified areas for improvement
  - Usability, architecture, functionality, and more!
- Drupal 7 end of life Nov. 2023

# Project Background

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- Team formed Summer 2021
- Project kickoff Fall 2021
- Estimated launch date of August 2023

# Inclusive Design

# Development philosophy

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- Agile philosophy
  - Collaborative teams that accomplish together.
- Scrum methodology
  - Facilitating the collaboration
  - Iterating quickly



“**Inclusive design** empowers designers to create products whose experiences serve as many people as possible... and enhances the user experience for a diverse audience.”

Morales, J. (2021, May 11). [What Is Inclusive Design? Principles and Examples.](#)



# Inclusive design practices

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- Stakeholder engagement throughout the design phase
- Striving for consistency across sites, pages, elements, & interactions
- Incorporating A11Y best practices throughout design and development process

# Inclusive design practices

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- Designing for all : Building equitable experiences across all platforms
- Designing for cognitive disabilities

# Accessibility Design:

## Strategies for Universal Usability

- Accessibility at the forefront of our design and implementation
  - AIly 1<sup>st</sup>, Mobile 2<sup>nd</sup>
- Enlisting help from outside resources during design phase

# Accessibility Design:

## Strategies for Universal Usability (cont.)

- Build for A11y (e.g. require alt text)
- Developing a guide to assist content editors
  - Design System
- Training content editors
- Editorial review for A11y

# A11y tools in our workflow

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- [FIGMA](#) Tools
  - [A11y Color Contrast Checker](#)
  - [Stark](#)
  - [Adee](#)
  - [Comprehensive Accessibility Check](#)
- Browser renderer panels
  - Safari, Chrome, Firefox, Edge, etc.
- Single Page A11y Checks
  - [Axe Dev Tools](#)
  - [WAVE Evaluation Tool](#)

# AIly tools in our workflow

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- Vision Related Tools
  - [Brandwood](#)  
(Text over images)
  - [Colorblindly Chrome Plugin](#)
  - [Colour Contrast Analyzer](#)  
(Color Modification)
- Screen Readers
  - [JAWS](#) (PC)
  - [NVDA](#) (PC)
  - VoiceOver (Mac)
  - [Orca](#) (Linux)
- Automated Tests
  - [Cypress/Axe](#)  
(docker image)

# MSU Libraries

Find & Borrow ▾ Research Support ▾ Using the Libraries ▾ Locations & Services ▾ About Us ▾ 



Citation information goes here

## Page not found [404]

This might be because:

- We've moved or renamed the page
- There's a small typo in the web address
- The web address wasn't copied/pasted fully
- The page no longer exists

Try searching our website for a page that:

Contains any of these words ▾

Still need help? [Ask a Librarian](#) for assistance.



MSU Libraries  
366 W. Circle Drive  
East Lansing, MI 48824 USA

(517) 353-8700

Frequently asked questions  
Accessibility statement  
Report an accessibility issue  
Privacy statement  
Library units  
Staff directory

Discover Library spaces  
Employment  
Support the Libraries  
Site map



# MSU Libraries



Citation information goes here

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- The web address wasn't copied/pasted fully
- The page no longer exists

Try searching our website for a page that:

Contains any of these words ▾

# MSU Libraries



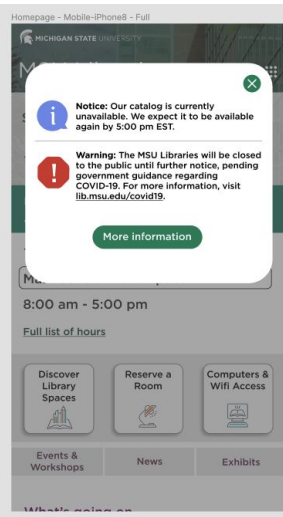
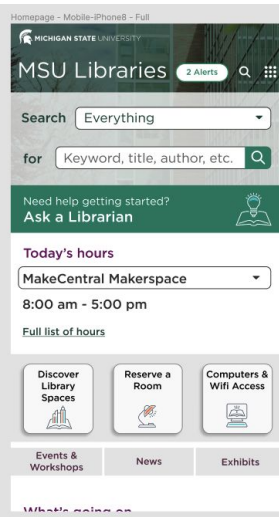
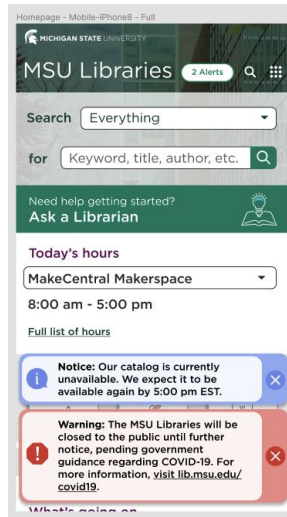
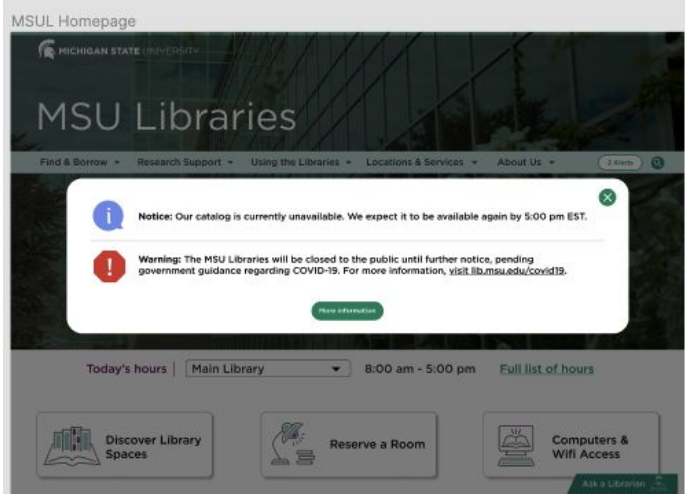
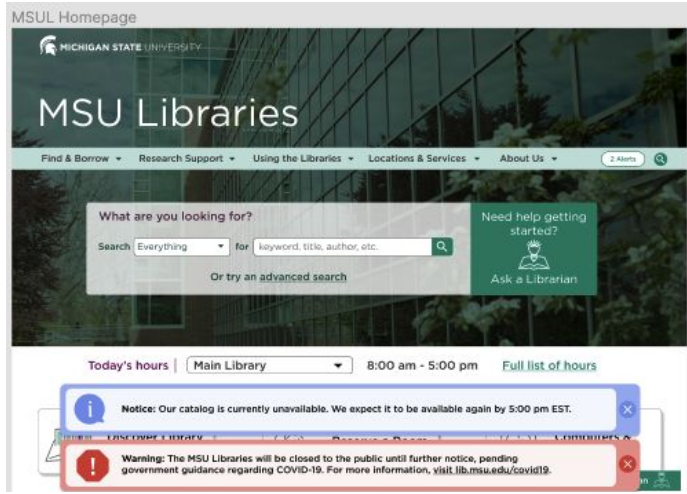
## Page not found [404]

This might be because:

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- There's a small typo in the web address
- The web address wasn't copied/pasted fully
- The page no longer exists

Try searching our website for a page that:

Contains any of these words ▾





# Collaborative development

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- Practicing iterative development
  - Large tasks broken down into smaller more achievable tasks
- Engaging in constant feedback cycle from the team and stakeholders



# Collaborative development

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- AIY first web development
  - Automated and manual tools (plugins, cypress, manual color checking, etc.)
- Failing productively
  - Learning & correcting course early in the process.




# Collaborative development

Monday

Events & Workshops	News	Exhibits
<h2>What's going on</h2>  <p>News</p> <p><a href="#">Yayy to Pandas!</a> </p> <p>January 07, 2023</p> <p>The giant panda (<i>Ailuropoda melanoleuca</i>, sometimes panda bear or</p>		



Tuesday

Events & Workshops	News	Exhibits
<h2>What's going on</h2>		
	<p>News</p> <p><a href="#">Happy snowy Friday</a></p> <p>February 01, 2023</p> <p>Joshua Sanchez</p>	
	<p>Exhibit</p> <p><a href="#">Clason Maps</a></p> <p><b>Physical &amp; online exhibit</b></p> <p>January 26, 2023 – February 02, 2023</p> <p>2 West</p>	
	<p>Exhibit</p>	

# Inclusive development practices

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- Website Advisory Group
  - Consultants, focus group participants, feedback and brainstorming specialists
- Stakeholder review/feedback session
  - Facilitating the collaboration
- Open sprint reviews
  - All staff welcome and encouraged to participate

# Collaboration = impact

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- Re-evaluating our design during development.
  - Identified a need to search an additional source
  - Altered the design to accommodate the new priorities
- Sometimes 10% difference is very impactful

# Bento Box

The screenshot displays the MSU Libraries website interface. At the top, the MSU logo and name are visible. Below the header is a navigation bar with menu items: Find & Borrow, Research Support, Using the Libraries, Locations & Services, and About Us. A search bar is present with a dropdown menu set to 'Everything' and the search term 'hockey'. To the right of the search bar is an 'Advanced search' link. Below the search bar is a horizontal menu with categories: Everything (highlighted), Books & Media, Journal Articles, Databases, Research & Guides, and Our Website.

The main content area is organized into a bento box grid:

- Books & Media:** Results from our entire catalog. Includes items like 'ROLE I PLAYED: CANADA'S GREATEST OLYMPIC HOCKEY TEAM' and 'SMALL, SAMI JO TORONTO'. A 'View all' button is at the bottom.
- Journal Articles:** Results from journals, magazines, & conferences. Includes articles such as 'Using value equity drivers to understand parents' perspectives of youth summer Hockey camps...' and 'Talent Identification in Elite Adolescent Ice Hockey Players...'. A 'View all' button is at the bottom.
- Databases:** Matching databases. A message states 'No databases found. Try browsing our Databases List by title or subject.'
- Research & Course Guides:** Results from our entire catalog. Lists resources like 'MSU Sports Resources' and 'Citing Business Databases in APA Style'. A 'View all' button is at the bottom.
- Our Website:** Results from our website omitting guides. Lists website content like 'Hockey (Sports Information) Records' and 'Interlachen The Club of Hockey'. A 'View all' button is at the bottom.
- Need help with your research?:** A large green call-to-action box with a lightbulb icon over an open book and the text 'Ask a Librarian'.

# Bento Box

MICHIGAN STATE UNIVERSITY  
**MSU Libraries**

Locations & Services • Find & Borrow • Using the Libraries • Research Support • About Us

## Search

Search  for

Or try an advanced search for [Books & Media](#), [Journal Articles](#), [Databases](#), or [Research & Course Guides](#)

[Everything](#) [Books & Media](#) [Journal Articles](#) [Databases](#) [Research & Course Guides](#) [Course Reserves](#) [Our Website](#)

Results from the Catalog, Articles, Databases, Online Journals, and Guides and more.

### Books & Media

More than 100 results found within the MSU Library catalog.

**Hockey**

Sherman, Jill  
 eBook

**Hockey : A Global History**

Stephen Hardy;  
Andrew C. Holman  
 eBook

**Hockey : Challenging Canada's Game - Au-delà Du Sport National**

Jenny Elison;  
Jennifer Anderson  
 eBook

**Hockey**

Julie Murray  
 eBook

**Hockey : An Introduction to Being a Good Sport**

Aaron Darr  
 eBook

[View all](#)

### Journal Articles

More than 100 results found within journals, magazines & conference proceedings.

**Modelo técnico del push de empuje en el hockey sobre césped. Una propuesta de análisis. / Technical model of the ...**

Moreno de la Fuente, Joaquín;  
Rojas-Briceño, Luis et al.  
Retos: Nuevas Perspectivas de Educación Física, Deporte y Recreación 2022, Vol. 45, p318 8p.

**The Role of the Hand Surgery Consultant in the Care of the Hockey Athlete.**

French, Rodney J.  
Sports Medicine & Arthroscopy Review Dec2022, Vol. 30 Issue 4, p189 7p.

**Análisis del Rendimiento Físico en Jugadores de Hockey sobre Césped sub 14. / Analysis of Physical Performance in...**

Mauricio Foresto, Walter  
Revista Ciencias de la Actividad Física UCM jul-dic2022, Vol. 23 Issue 2, p1 13p.

**Unsettling the Myth of Canadian Nationhood: Hockey and Embodied Indigenous Sovereignties.**

Norman, Moss E.;  
Petherick, LeAnne et al.  
Sociology of Sport Journal Dec2022, Vol. 39 Issue 4, p323 9p.

**LESIONES EN HOCKEY LINEA: FACTORES DE RIESGO Y MEDIDAS DE PREVENCIÓN. / INLINE HOCKEY INJURIES: RISK FACTORS AND PREVE...**

Moreno-Alcaraz, V. J.;  
Cejudo, A. et al.  
Revista Iberoamericana de Ciencias de la Actividad Física y el Deporte dic2021, Vol. 10 Issue 3, p1 17p.

[View all](#)

### Databases

0 results found within MSU Library databases.

No results found for hockey

### Research & Course Guides

Approximately 4 results found within MSU Library research & course guides.

**MSU Sports Resources**

Bryant, Sheila

**Michigan State University**

Badgley-Malone, Megan

**MSU Sports Collections at MSU Archives & Historical Collections**

Badgley-Malone, Megan

### Course Reserves

0 results found within MSU Course Reserves

No results found for hockey

### Our Website

0 results found within MSU Library website

No results found for hockey

**What we've  
done so far...**



Before:

## Libraries Homepage

The screenshot displays the MSU Libraries homepage with a dark green header. The header includes the Michigan State University logo and name, a search bar, and navigation links for 'Ask a Librarian', 'My Account', and 'Events'. Below the header is a secondary navigation bar with links for 'General Info', 'Resources', 'Research Help', 'Using the Library', 'Computers', and 'Contact'. The main content area features a search bar with the text 'Search Articles, Books & Media, Databases and more' and a 'Search' button. Below the search bar are links for 'Articles', 'Books & Media', 'E-Books & Journals', 'Databases', and 'Guides', along with a link to 'Try our new catalog'. The page is organized into several columns: 'Today's Hours' with a table of library locations and their operating times; 'Quick Links' with categories like 'Collections and Libraries', 'Course Reserves', 'Electronic Resources', 'Guides & Tutorials', 'Get It @MSU (Interlibrary Loan, Document Delivery)', 'Reserve a Room', and 'Your Library Account'; 'Upcoming Events' listing 'Therapy Dog Visits', 'Anatomaage Table Open Office Hours', and 'Make & Sustain: Perler Beads'; and a 'News @ MSU Libraries' section with a 'Support the Libraries' button. At the bottom, there is a carousel for 'Interactive virtual tours of the Main Library' with a featured tour of the 'MSU Main Library First floor' and a 'View or search all of MSU Libraries' Features' link.

MICHIGAN STATE UNIVERSITY

MSU LIBRARIES

Library Site Search

Ask a Librarian  
My Account  
Events

General Info Resources Research Help Using the Library Computers Contact

Search Articles, Books & Media, Databases and more

Search

Articles | Books & Media | E-Books & Journals | Databases | Guides |  
Try our new catalog

**Today's Hours**

Main Library	Open 24 Hours
Hollander	8:00am to 10:00pm
MakeCentral	10:00pm Service Desk
Digital and Multimedia	9:00am to 9:00pm
Multimedia Center	
Art Library	9:00am to 12:00pm
Reference	9:00am to 1:00pm
Murray and Make an	Hong Special appointment Collections
Gast Business	8:00am to 5:00pm
Library	5:00pm

[More Hours >>>](#)

**Quick Links**

- Collections and Libraries
- Course Reserves
- Electronic Resources
- Guides & Tutorials
- Get It @MSU (Interlibrary Loan, Document Delivery)
- Reserve a Room
- Your Library Account

**Upcoming Events**

- Therapy Dog Visits  
10:00 am - 12:00 pm  
Wednesday, February 22 2023
- Anatomaage Table Open Office Hours  
1:00 pm - 3:00 pm  
Wednesday, February 22 2023
- Make & Sustain: Perler Beads  
2:00 pm - 5:00 pm  
Wednesday, February 22 2023

[More events >>>](#)

Spring 2023 message from the Dean

News @ MSU Libraries

Support the Libraries

Previous Pause Next

**Interactive virtual tours of the Main Library**

MSU Main Library First floor

Interactive virtual tours of the Main Library's [first floor](#), [Digital Scholarship Lab](#), and [Green Room](#) are available to view before visiting. Check out these Library spaces today!

View or search all of MSU Libraries' Features

After:

# Redesigned Libraries

# Homepage

The screenshot displays the MSU Libraries homepage with a green header and a white navigation bar. The main content area features a search bar, a 'Today's Hours' section, and three service tiles: 'Discover Library Spaces', 'Reserve a Room', and 'Computers & Wifi Access'. Below these are sections for 'What's going on' (with news, class maps, and exhibits) and 'Events & Workshops' (with 'Make & Sustain: Watercolors', 'Open Virtual Reality', and 'Multimedia Writing Center'). A footer contains contact information and a list of links.

**MSU Libraries**  
Locations & Services · Find & Borrow · Using the Libraries · Research Support · About Us

What are you looking for?  
Search Everything for Books, articles, databases, and more  
Need help getting started? Ask a Librarian

Today's Hours: Main Library Open 24 hours Full list of hours

Discover Library Spaces Reserve a Room Computers & Wifi Access

**What's going on**

News  
**Happy snowy Friday**  
February 01, 2023  
Joshua Sanchez  
Make Central News: Happy snowy Friday! Cuddle up in some comfy threads and check out this piece by @thesnews featuring the Clothing Repair-a-Thon that...

Exhibit  
**Clason Maps** Physical & online exhibit  
January 26, 2023 - February 02, 2023  
2 West  
Collectors of Clason state road maps issued between 1923 and 1931 are presented with challenges around determining map publication dates. Unlike Rand...

Exhibit  
**The Best Exhibit Ever** Physical & online exhibit  
January 11, 2023 - January 25, 2023  
2 West  
This is without a doubt the best exhibit that has ever existed. There is no question that this exhibit is totally awesome and cool.

**Events & Workshops** News Exhibits

**Make & Sustain: Watercolors**  
February 23, 2023 2:00 PM - 5:00 PM  
Makerspace Flex Space Classroom  
Join the Makerspace to take a moment to relax and reflect. We have coloring pages and watercolors. Free and all are welcome. Image created by Vectors Market from Noun Project

**Open Virtual Reality**  
February 23, 2023 3:00 PM - 6:00 PM  
DSL VR Room (Main Library, 2 West)  
The VR lab is back! Whether you're a VR first-timer, a researcher or a developer, an artist in search of a new medium, an instructor curious about how to use the tech in class, a student of storytelling, or some other type of human being...

**Multimedia Writing Center**  
February 23, 2023 5:00 PM - 8:00 PM  
DSL Project Room J (Main Library, 2 West)  
The Multimedia Writing Center in the library is located within the Digital Scholarship Lab on the west wing of the second floor. This location of the Writing Center @ MSU serves multimodal and digital projects. For more information go to the Multimedia Writing Center

**Libraries**  
MSU Libraries  
366 W. Circle Drive  
East Lansing, MI 48824 USA  
(517) 353-8700

Frequently asked questions  
Accessibility statement  
Report an accessibility issue  
Privacy statement  
Library units  
Staff directory

Discover Library spaces  
Employment  
Support the Libraries  
Site map

View all Events & Workshops

Before:

Special Collections

Homepage

The screenshot shows the MSU Libraries Special Collections homepage. At the top, the Michigan State University logo is on the left, and a search bar with the text "Library Site Search" is on the right. Below the logo, the text "MSU LIBRARIES | Stephen O. Murray and Keelung Hong Special Collections" is displayed. A navigation menu includes "About", "Collections", "Research", "Class Instruction", and "Support".

The main content area is divided into two columns. The left column features a dark header for "Murray and Hong Special Collections Hours" with a link to "Hours and Appointments Information". Below this are social media icons for Instagram, Tumblr, Twitter, and Facebook. A "Location" section provides the address: "Stephen O. Murray and Keelung Hong Special Collections, Main Library Building, Michigan State University, 366 W. Circle Drive, East Lansing MI, 48824", along with a phone number and email address. A "Reading Room" section describes its location: "First Floor, Across from Circulation Services, Main Library".

The right column features a large image of the Special Collections reading room with the text "SPECIAL COLLECTIONS" overlaid. Below the image is a paragraph describing the collection's history and purpose, followed by a link to "Learn more about Special Collections". A search bar is located below the text, with the placeholder "Search Books & Media, Digital Collections and more" and a "Search" button.

At the bottom of the main content area, there are four buttons: "Make an Appointment", "Register & Track Requests", "Ask Special Collections", and "Schedule Classroom Instruction".

The footer contains the Michigan State University logo on the left and a row of links: "Call Us: (517) 353-8700", "Contact Information", "Site A to Z", "Privacy Statement", and "Site Accessibility". Below these links is a line of text: "Call MSU: (517) 355-1855 | Visit: [msu.edu](http://msu.edu) | MSU is an affirmative-action, equal-opportunity employer. | [Notice of Nondiscrimination](#)". At the very bottom, it says "SPARTANS WILL." and "© Michigan State University Board of Trustees".

After:

# Redesigned Special Collections Homepage

The screenshot shows the redesigned homepage for MSU Libraries Murray & Hong Special Collections. At the top, the MSU logo and 'MSU Libraries Murray & Hong Special Collections' are displayed. Below this is a navigation bar with links for 'Locations & Services', 'Find & Borrow', 'Using the Libraries', 'Research Support', and 'About Us'. A search bar is prominently featured with the question 'What are you looking for?' and a dropdown menu set to 'Everything'. To the right of the search bar is a green button that says 'Need help getting started?' and 'Ask a Special Collections Librarian'. Below the search bar, there is a small image of a book cover with the text 'Leaf from a Book of Hours, Flemish?, circa 15th century'. A horizontal bar contains contact information: '(517) 884-6471 | spc@lib.msu.edu | 366 W. Circle Drive, East Lansing, MI 48824 | MSU Main Library, 1 Center'. Below this are four service buttons: 'Register for an account', 'Request materials', 'Reserve an appointment', and 'Track materials'. The main content area is titled 'Explore our collections' and features a grid of collection tiles. Each tile includes a representative image, a title, and a brief description. The tiles shown are: 'Activism and Radicalism' (with a red star and figures), 'Africana' (with a 'MAY 1 ANTI-APARTHEID DAY' poster), 'Agriculture' (with a red circular logo), 'Archival Collections' (with a stack of papers), 'Artists' Books and Fine Press' (with a decorative 'FRIENDSHIP AMIS' book cover), 'Chicanx/Latinx' (with a portrait of a man), 'Comic Art' (with Superman comic book covers), 'Cookery and Foodways' (with an open book showing anatomical drawings), and 'European and Asian History' (with a red shawl). At the bottom, there are three more partial tiles showing various book covers and illustrations.

# UX Testing

# User Journey Maps

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- Involves recording of activities, feelings and thoughts of users as they try to complete a task
- Helps identify obstacles and pain points while generating ideas for improvement
- A total of 19 participants including students, staff, & faculty

# Recruitment

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- A library wide email was sent out to staff and faculty with a link to a sign-up sheet.
- Students from the XA program were encouraged to sign-up for the test.
- Total of 19 participants including students, staff, & faculty were recruited during this process.

# User Journey Maps



### Main Library Hours

Week view **Month view**

Choose a location or service:  and choose a date:

#### March 2023 - Main Library

[< Previous month](#) [Next month >](#)

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
26	27	28	1	2	3	4

### Location & Service Hours

Week view **Month view**

Choose a location or service:

Choose a date:

#### Main Library

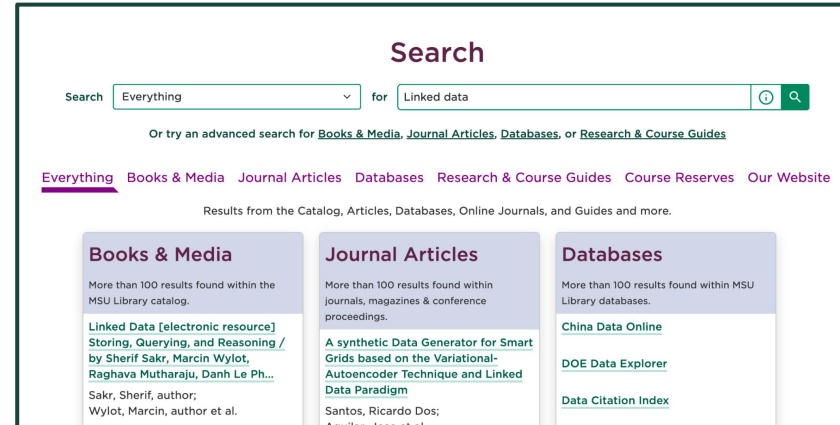
[<](#) **May 2023** [>](#)

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
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# User Journey Maps

- Only 2 participants used the top navigation bar
- Information under the search was “*too overwhelming*” for many users



# User Journey Maps

*“I like the [right side] better than the What’s going on section.”*

*“It is going to look lame and outdated”*

The screenshot shows a website interface with a header navigation bar containing 'Events & Workshops', 'News', and 'Exhibits'. The main content area is titled 'What's going on' and is organized into three columns:

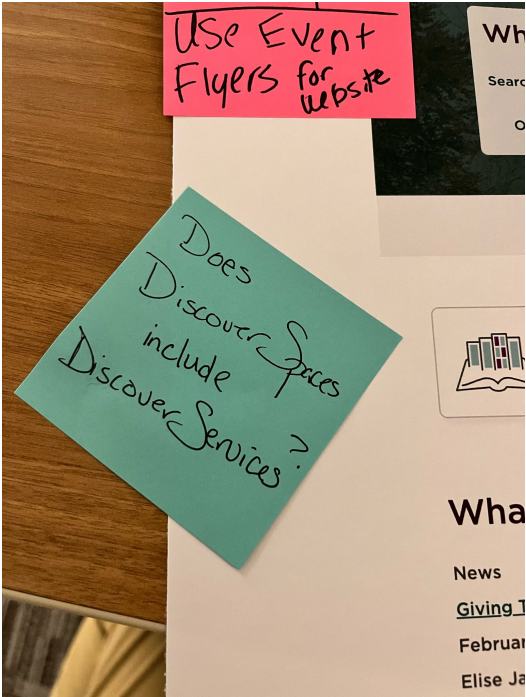
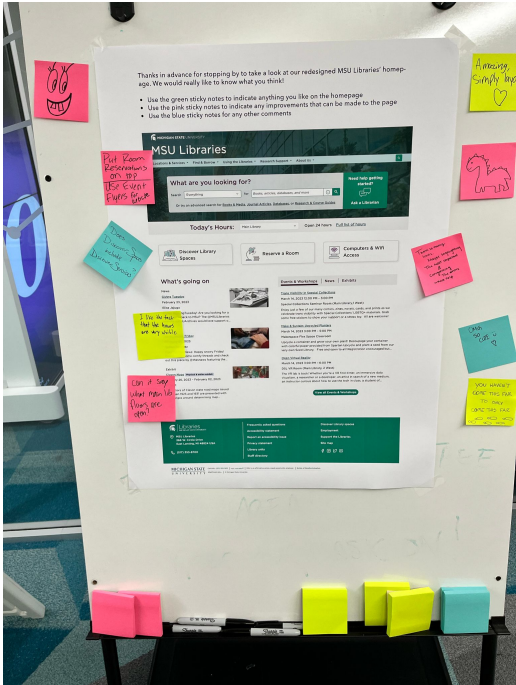
- News Column:**
  - Giving Tuesday:** February 23, 2023. By Elise Jajuga. Text: 'Happy #GivingTuesday! Are you looking for a way to give back to MSU? The @MSULibraries and the @MSUArchives would love support ...'
  - Happy snowy Friday:** February 01, 2023. By Joshua Sanchez. Text: 'Make Central News: Happy snowy Friday! Cuddle up in some comfy threads and check out this piece by @thesnews featuring the...'
- Exhibit Column:**
  - The Best Exhibit Ever:** Physical & online exhibit. Dates: February 11, 2023 - January 25, 2023. Image: A book cover titled 'LIBRARIES'.
- Events & Workshops Column:**
  - Beal Botanical Garden Tour: Spring Ephemerals at the Beal Botanical Garden:** In progress. Date: May 11, 2023 12:10 PM - 12:55 PM. Location: Beal Botanical Garden (shed). Text: 'Join Carolyn Miller, Plant Recorder for the Beal Botanical Garden, for a lunchtime spring tour of the garden to enjoy spring wildflowers, discover what the garden staff are doing to restore native plants and habitat along L...'
  - Visiting scholar talk: Elizabeth Shermer, Lovola University Chicago:** Date: May 16, 2023 12:00 PM - 1:00 PM. Location: Special Collections Seminar Room (Main Library,1 West). Text: 'Seven researchers from outside MSU have been awarded visiting scholar grants from Murray & Hong Special Collections for summer 2023. Each will give a presentation on their research during their week of residence. Today...'
  - Visiting scholar talk: Sophie Wunderlich, University of Michigan:** Date: May 18, 2023 12:00 PM - 1:00 PM. Location: Special Collections Seminar Room (Main Library,1 West). Text: 'Seven researchers from outside MSU have been awarded visiting scholar grants from Murray & Hong Special Collections for summer 2023. Each will give a presentation on their research during their week of residence. Today...'

# Graffiti Walls

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- A space, either on a wall or a white board where people can openly and anonymously share their feelings
- Opportunity to receive feedback quickly, passively, and anonymously

# Graffiti Walls



# Graffiti Walls

## What's going on

### News

#### [Giving Tuesday](#)

February 23, 2023

Elise Jajuga

Happy #GivingTuesday! Are you looking for a way to give back to MSU? The @MSULibraries and the @MSUArchives would love support ...



### News

#### [Happy snowy Friday](#)

February 01, 2023

Joshua Sanchez

Make Central News: Happy snowy Friday! Cuddle up in some comfy threads and check out this piece by @thesnews featuring the...



### Exhibit

#### [The Best Exhibit Ever](#) Physical & online exhibit

January 11, 2022 - January 25, 2023



## Events & Workshops | News | Exhibits

### [Beal Botanical Garden Tour: Spring Ephemerals at the Beal Botanical Garden](#)

In progress

May 11, 2023 12:10 PM - 12:55 PM

Beal Botanical Garden (shed)

Join Carolyn Miller, Plant Recorder for the Beal Botanical Garden, for a lunchtime spring tour of the garden to enjoy spring wildflowers, discover what the garden staff are doing to restore native plants and habitat along t...

### [Visiting scholar talk: Elizabeth Shermer, Loyola University Chicago](#)

May 16, 2023 12:00 PM - 1:00 PM

Special Collections Seminar Room (Main Library,1 West)

Seven researchers from outside MSU have been awarded visiting scholar grants from Murray & Hong Special Collections for summer 2023. Each will give a presentation on their research during their week of residence. Today ...

### [Visiting scholar talk: Sophie Wunderlich, University of Michigan](#)

May 18, 2023 12:00 PM - 1:00 PM

Special Collections Seminar Room (Main Library,1 West)

Seven researchers from outside MSU have been awarded visiting scholar

## Events & Workshops | News | Exhibits

### [Artist Talk with Elka Stevens](#)

January 5, 2022

Online

Dr. Stevens's scholarly interests lie at the intersections of visual and material culture, international trade, gender, and identity. Dr. Stevens uses textiles and clothing as a lens of analysis...

### [Muslim Journeys: An Early Modern Anglo-Muslim Archive: Cross-Cultural Encounters and Identity Formations](#)

January 5, 2022

MSU Libraries, Green Room

Drawing on selected pre-1800 archival materials from the Stephen O. Murray and Keelung Hong Special Collections...



### [Introduction to ESRI StoryMaps and StoryMaps JS](#)

January 5, 2022

MSU Libraries, Digital Scholarship Lab

Both ESRI and Knight Labs Story Maps combine narrative text, images and other content with maps allowing for the creation of

## Explore our services



Service description, you can get passports at the MSU Libraries! Visit [lib.msu.edu/passports](http://lib.msu.edu/passports) for more information and to make an appointment.



# A/B Testing

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- Identified an alternative layout to the bento-box and developed it on a test server.
- Our plan was to observe participants performing the same task on both layouts.

# A/B Testing

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- Participants include a mixed pool of students, faculty, and community members.
- Documented qualitative data & quantitative when participants were performing the tasks.

# A/B Testing

Locations & Services ▾ Find & Borrow ▾ Using the Libraries ▾ Research Support ▾ About Us ▾

Search  for

Or try an advanced search for [Books & Media](#), [Journal Articles](#), [Databases](#), or [Research & Course Guides](#)

View results from:

- All Sources  
10000+
- Books & Media  
0
- Journal Articles  
1000+
- Databases  
41
- Research & Course

**Books & Media**  
0 results found within the MSU Library catalog.  
No results found for *Michigan*

**Journal Articles**  
More than 1000 results found within journals, magazines & conference proceedings.

**Michigan.**  
Corporation for National and Community Service (U.S.)

Call Number	Status	Library Location
Y 3 N 21/29:20/M 58/	Multi 1	MSU Government Documents Online Resource

<https://mainweb9-gaddamsr.devel.lib.msu.edu/search?type=everything&query=Michigan&display=everything>

Search

Search  for

Or try an advanced search for [Books & Media](#), [Journal Articles](#), [Databases](#), or [Research & Course Guides](#)

[Everything](#) [Books & Media](#) [Journal Articles](#) [Databases](#) [Research & Course Guides](#) [Course Reserves](#) [Our Website](#)

Results from the Catalog, Articles, Databases, Online Journals, and Guides and more.

**Books & Media**  
More than 100 results found within the MSU Library catalog.

[Linked Data \[electronic resource\] Storing, Querying, and Reasoning / by Sherif Sakr, Marcin Wylot, Raghava Mutharaju, Danh Le Ph...  
Sakr, Sherif, author;  
Wylot, Marcin, author et al.](#)

**Journal Articles**  
More than 100 results found within journals, magazines & conference proceedings.

[A synthetic Data Generator for Smart Grids based on the Variational-Autoencoder Technique and Linked Data Paradigm  
Santos, Ricardo Dos;](#)

**Databases**  
More than 100 results found within MSU Library databases.

- [China Data Online](#)
- [DOE Data Explorer](#)
- [Data Citation Index](#)



# A/B Testing

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*“Honestly I did not even notice the sidebar”*

*“I don’t need 1000’s of results in the side panel”*

*“I prefer the top panel. The counts are not giving me any  
useful info”*

*“The counts might be useful now that I know what they  
mean”*

# A/B Testing

The screenshot displays the MSU Libraries Search interface. At the top, the MSU logo and 'MICHIGAN STATE UNIVERSITY' are visible. The main heading is 'MSU Libraries | Search'. A navigation bar contains links for 'Locations & Services', 'Find & Borrow', 'Using the Libraries', 'Research Support', and 'About Us', along with a search icon. The search bar shows 'All Sources' selected and 'Michigan' entered. Below the search bar, there are links for 'Books & Media', 'Journal Articles', 'Databases', and 'Research & Course Guides'. A horizontal menu below that lists 'All Sources', 'Books & Media', 'Journal Articles', 'Databases', 'Research & Course Guides', 'Course Reserves', and 'Our Website'. Three result cards are shown: 'Books & Media' with 1000+ results and a link to 'Hemingway in Michigan...', 'Journal Articles' with 1000+ results and a link to 'Michigan. Corporation for National and...', and 'Databases' with 41 results and a link to 'Map Michigan' and 'Michigan Legislature'.

MICHIGAN STATE UNIVERSITY

## MSU Libraries | Search

Locations & Services ▾ Find & Borrow ▾ Using the Libraries ▾ Research Support ▾ About Us ▾

Search  for

Or try an advanced search for [Books & Media](#), [Journal Articles](#), [Databases](#), or [Research & Course Guides](#)

[All Sources](#) | [Books & Media](#) | [Journal Articles](#) | [Databases](#) | [Research & Course Guides](#) | [Course Reserves](#) | [Our Website](#)

### Books & Media

More than 1000 results found within the MSU Library catalog.

[Hemingway in Michigan, Michigan in Hemingway : an exhibition in the Francis and Mary Lois Molson Exhibit Gallery of the Clarke U](#)

### Journal Articles

More than 1000 results found within journals, magazines & conference proceedings.

[Michigan.](#)  
Corporation for National and

### Databases

Approximately 41 results found within MSU Library databases.

[Map Michigan](#)

[Michigan Legislature](#)

**Next Steps**

# Next up...

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- Content migration (in progress)
- Continue branch library page customization(s)
- Testing, testing, testing!

# UX Singularity:

Making a usable, accessible, and inclusive [website](#)

## MiALA 2023

Kevin Finkenbinder, Sruthin Gaddam,  
& Joshua Ethan Sanchez

[bit.ly/UXSingularity](https://bit.ly/UXSingularity)



Libraries

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