



A Comparative Evaluation of the Share-VDE Search System

User Experience Testing: Spring 2022

Methodology

- ▶ Task based usability and UX testing
- ▶ Virtual test environment
- ▶ Screen share recordings
- ▶ Standardized protocol and script
- ▶ Analyzed in a shared table across work team

By the numbers

- ▶ 5 user interviews
- ▶ 6 core tasks evaluated
- ▶ 35 questions, included perceptions of usability
- ▶ 3 hours recorded



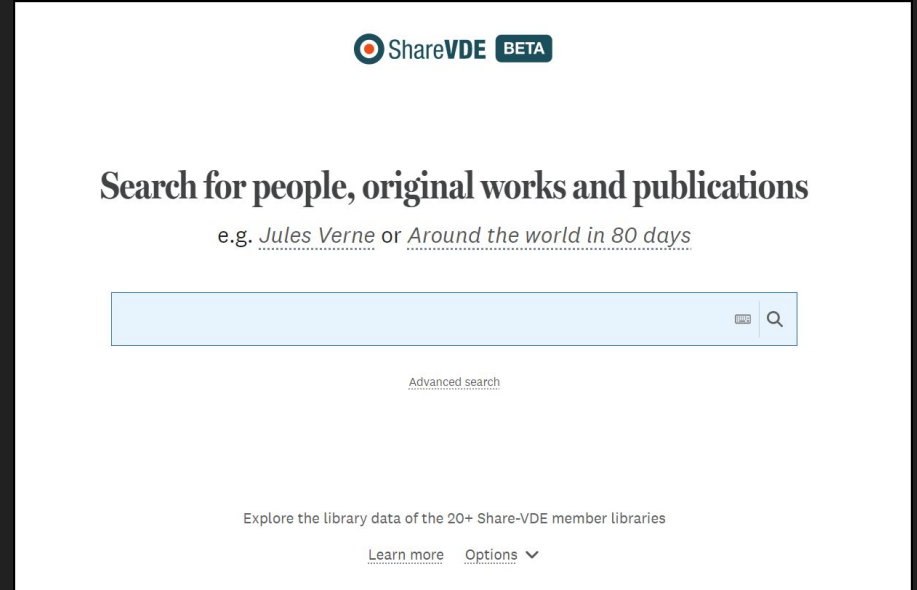
User Testing: Trends

All participants:

- ▶ Began their searching in Google
- ▶ High familiarity with searching in library environments
- ▶ Used more sophisticated search techniques

No participants:

- ▶ Confidently defined “Works” or “Agents”



Terminology: Related Agents

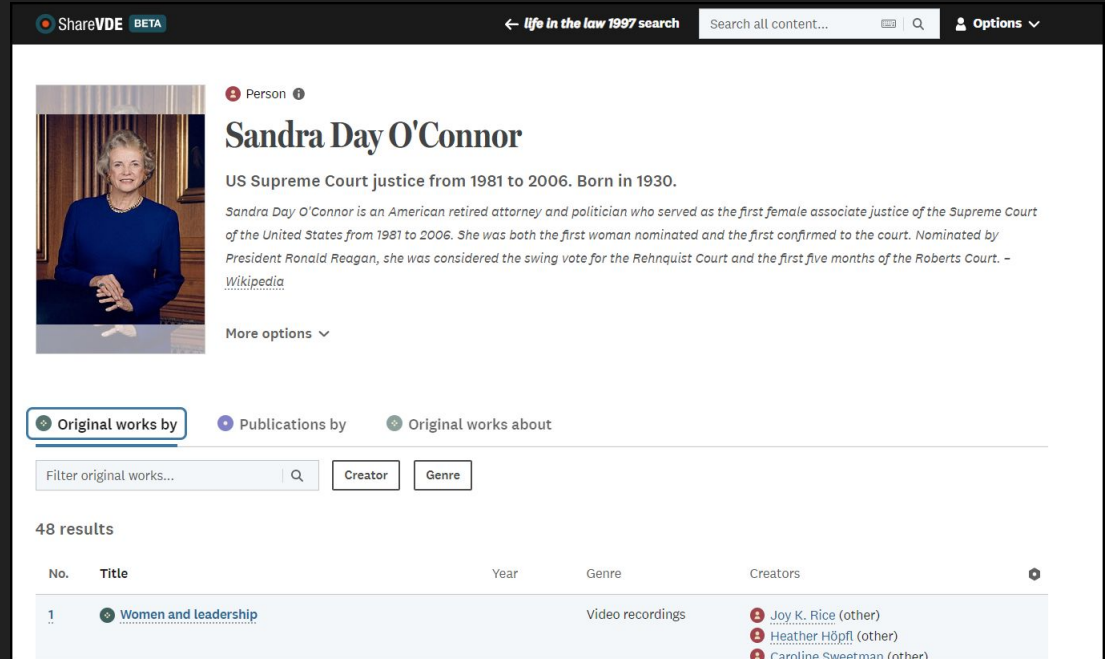
- ▶ “Similar things to this book, so I guess similar authors, the same publishing company”
- ▶ “Maybe people they worked with”
- ▶ “I don’t know. My first thought is maybe author or maybe publisher”

The screenshot shows a library catalog entry for the book "Life in the law". The title is "Life in the law" and it is categorized as a "Biography". Below the title, there is a section for "More options" and a tabbed interface with three tabs: "Publications of this", "Related agents" (which is selected and highlighted with a red border), and "Subjects of this". Below the tabs is a search bar labeled "Filter agents..." and two buttons labeled "Start year" and "Type". The results section shows "10 results" and a table with the following data:

No.	Name	Type	Start year	End year	Location	Relationship	
1	Brian Doan	Person				other	
2	J. Reuben Clark Law Society	Organization				other	
3	Scott W. Cameron	Person	1946			other	
4	American Bar Association	Organization				other	
5	American Bar Association, Public Education Division	Organization				other	

User Testing: Wikidata

- ▶ Pictures well received
- ▶ Suggestions: smaller real estate; additions to bio such as academic credentials
- ▶ Concerns: potential bias in Wikipedia
- ▶ “I think it’s really cool that it has her biography and other things about her.”



The screenshot shows the Wikidata profile for Sandra Day O'Connor. The profile includes a portrait photo, a 'Person' label, and a detailed biography. Below the biography, there are tabs for 'Original works by', 'Publications by', and 'Original works about'. The 'Original works by' tab is active, showing a search bar and filters for 'Creator' and 'Genre'. Below the search bar, it indicates '48 results' and displays a table of results.

No.	Title	Year	Genre	Creators
1	Women and leadership		Video recordings	Joy K. Rice (other) Heather Höpfel (other) Caroline Sweetman (other)

We asked:

Would you want to use this interface again?

4 of 5 users reported that they would like to use Share-VDE for future research.

- ▶ “This [Person page] is exactly what I would expect. What I would hope for.”
- ▶ “The interface is visually pleasing- it kind of feels like a slightly different Google.”
- ▶ “I can definitely see myself using this again- the breakdown of the works was really useful. Having publications laid out in that way and directly linking to [creators] who were connected was great.”

Current Work:

Publication Page Mockup (Proposed)


Publication

Paris in the twentieth century

Book published in English in 1997 in New York

Author: Jules Verne
Edition: 2nd
Publisher: Dell Ray
ISBN: 034542038X

View All Publication Details

Borrow a copy at UPenn Libraries  [Read online](#) [Publisher description](#) [More options](#)

Publication details

240	Paris au XIXe siècle
245	Paris in the twentieth century / c. Jules Verne; translated by Richard Howard; introduction by Eugen Weber
260	New York, NY : b. Random House, Cj 1997
300	xxiv, 222 p. ; c. 20cm
700	Howard, Richard, dj 1929-2022. http://id.loc.gov/authorities/names/n79066341

UX/UI group recommended edits appear in orange for mockup purposes only.


Publication Page Mockup (Current)

Publication

Paris in the twentieth century

Volume. Published in English in 1997 in New York.

ISBN: 034542038X
Identifier: p1071654473740034
Notes: Illustrations
Bibliographic level: Monograph
System control number: 00G4C100m30004027

Borrow a copy at UPenn Libraries  [Publisher description](#) [More options](#)

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Looking Forward:



Current Challenges

- Combining UI design systems expertise with emergent LD discovery patterns
- “Catalog vocabulary” aka library centric terminology is still opaque to users
- Balancing staff and end user needs
- Prioritizing design that makes the potential for LD discovery transparent to users of all levels
 - Char Booth’s “What’s in it for me?”

Future Research Goals

- Confirming designs for linked data discovery
- Moving beyond known item to user supplied topics as facility to support open testing grows
- Integration- knowledge panels, images, etc.
- Stretch: co-authored protocol and multi-site user testing



Get in Touch

Let's keep talking about
approaches in linked data
discovery user testing

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