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The Development of a Browse and Search Interface for Metadata About Online Literary Performance in Canada During the Pandemic Period

Library Research Forum, Concordia University
April 27th, 2022

Tomasz Neugebauer, Concordia University / Francisco Berrizbeitia, Concordia University / Ben Joseph, Simon Fraser University / Alexandre Bustamante, Concordia University / Eva Lu, Victoria University in the University of Toronto / Sukesh Gandham, Concordia University / Jason Camlot, Concordia University

Presentation Outline

- **Data Collection of Metadata for Online Literary Performance in Canada (Pandemic Period) using Swallow Metadata Ingest System**
  Jason Camlot, Professor, Department of English & Francisco Berrizbeitia, Developer, Concordia U
- **UX Front-end Design** Alexandre Bustamante, MDes, Department of Design and Computation Arts, Concordia U
- **Data Visualization** Sukesh Gandham, MEng, Department of Information Systems Security, Concordia U
- **Technology Stack for Browse & Search Interface** Ben Joseph, Undergraduate, Computer Science, Simon Fraser U
- **Questions**

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Data Collection of Metadata for Online Literary Performance in Canada (Pandemic Period) using Swallow Metadata Ingest System

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Qualitative Research on Pandemic Literary Events

PRIMARY SCHOLARLY FORMS

- *Interviews*
- *Podcasts*
- *Talks/Papers*
- *Panel Discussions*
- *Scholarly Articles in Refereed Journals*

PRIMARY METHODS

- *Oral History*
- *Phenomenology*
- *Autoethnography*
- *Sound Studies*
- *Literary and Media History*
- *Cultural Studies and Critical Theory*

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Crosswalk of Data Fields from Swallow to ADP

ADP Swallow Crosswalk Document V12.docx - Downl...

By Salena Wiener on 03/18/2022 at 12:53 - 30.98 KB

ARCHIVE OF THE DIGITAL PRESENT SWALLOW FIELDS

INSTITUTION AND COLLECTION

INSTITUTION
Archive of the Digital Present

COLLECTION
Select the Name of Organization

SOURCE COLLECTION
Name of Organization

SOURCE COLLECTION DESCRIPTION
"Description": "[describe organization]",
"Wikidata": "[if applicable wikidata q code link]",
"Contact Email": "...",
"Twitter": "...",
"Facebook": "...",
"Organization Website": "..."

PERSISTENT URL
Provide the link if organization has persistent platform, i.e. a YouTube channel hosting their events, or put the organization website here

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ADP *First Data List Created from Social Media Posts Advertising Online Events*

	A	B	C	D	E	F	G	H	I	J	K	L
1	Last Name of Organizer	First Name of Organizer	Name of Organization	Contact Email	Twitter	Facebook Page	Website	Name of Event Series	Type(s) of Event(s)	Number of Events	Hosted and Available Online	AV Hosting Platform
2	Martonfi	Ilona	Argo Bookshop	ilona.martonfi@sympatico.ca	@ArgoBookshop	https://www.fa	https://w	Argo Zoom Reading Series: Verse, Prose, & Song	Reading Series, Performances, Talks, Workshops, Book Clubs	31		
3	Gallant	Devon	Accent Open Mic	accentseries@gmail.com	n/a	https://www.fa	http://acc	Accent Open Mic	Reading Series, Book/Magazine Launches, Open Mics	5		
4	McCrum	Rachel	The Atwater Poetry Project	poetry@atwaterlibrary.ca	n/a	https://www.fa	https://w	Atwater Poetry Project Online	Reading Series	8	Yes	Website
5	Felton	James	Poets Corner	socialmedia@poetscorner.ca	@Poets_Corner_RS	https://www.fa	https://pc	Poets Corner Reading Series	Reading Series, One Minute Poem	67	Yes	Youtube: https://www.yo
6			Drawn & Quarterly	info@drawnandquarterly.com	@DandQ	https://www.fa	https://drawnandquarterly.com/		Book Fair, Book Festivals, Talks, Launches	7		
7			Librairie Drawn & Quarterly	events@drawnandquarterly.com	@LibrairieDandQ	https://www.fa	https://mtl.drawnandquarterly.com/		Book Launches, Talks	55		
8	Rajagopalan	Deepa	Glad Day Bookshop	ewreadings@gmail.com	@ewreading	https://www.fa	http://ewi	The Emerging Writers Reading Series	Reading Series	6		
9	Jones	Mike	Filling Station Collective	flywheel.fs@gmail.com	@fillingstation	https://www.fa	http://ww	Flywheel Reading Series	Reading Series	3	Yes	Website
10	Quirion	Josh	Yolk Literary Magazine	themail@yolkliterary.ca	n/a	https://www.fa	http://yolkliterary.ca/		Magazine Launches, Readings	2		
11	Opheim	Ashley	Metatron Press	info@metatron-press.com	@metatronpress	https://www.fa	http://www.metatron.press/		Book Launches, Readings	2		
12	Schubert	Lori	Quebec Writers' Federation	marian@qwf.org	@OfficialQWF	https://www.fa	http://ww	Black Writers Out Loud	Reading Series (Black Writers Out Loud), Awards Gala, Talks, Boc	10		
13	Ferrier	Ian	The Words & Music Show	poets@wiredonwords.com	n/a	https://www.fa	http://wo	The Words & Music Show	Literary Performance	6		
14	Haney	Bronwyn	The Void Magazine	thevoidmagazine@gmail.com	@thevoidmtl	https://www.fa	http://thevoidmagazine.com/		Magazine Launch, Readings	1		
15	Candelora	Abigail	Soliloquies Anthology Magazine	soliloquies.concordia@gmail.co	@_Soliloquies	https://www.fa	https://www.soliloquies.org/		Magazine Launch, Readings	1		
16	Arnott	Joanne	Dead Poets Reading Series	deadpoetsreadingseries@gmai	@DeadPoetReading	https://www.fa	http://ww	Dead Poets Reading Series	Reading Series	70	Yes	Youtube: https://www.yo
17	Dunn	Shaun	Palimpsest Press	info@palimpsestpress.ca	@PalimpsestPress	https://www.fa	http://www.palimpsestpress.ca/		Book Launches, Readings	3		
18	Wilcox	Alana	Coach House Books	mail@chbooks.com	@coachhousebooks	https://www.fa	http://chbooks.com/		Book Launches, Readings, Talks	3		
19	Amour-Lynx	Amanda	Bi + Arts Festival	biartsfestival@gmail.com	@biartsfestival	https://www.fa	http://ww	Bi + Arts Festival	Festival, Talks, Book Fairs, Readings, Performances	38		
20	Leduc	Amanda	Audible Canada	communications@thefoldcana	@TheFOLD_	https://www.fa	https://th	The Festival of Literary Diversity (FOLD)	Festival, Talks, Book Fairs, Readings	23	Yes	Youtube: https://www.yo
21	Jang	Howard	Banff Centre for Arts and Creativity	Howard_Jang@banffcentre.ca	@banffcentre	https://www.fa	https://w	Virtual Banff Centre Mountain Film and Book Festival	Festival, Readings, Talks	16		
22	Geitzler	Kayla	Attic Owl	atticowlreadingseries@gmail.c	n/a	https://www.fa	n/a	Attic Owl Reading Series	Reading Series, Open Mics, Book Launches, Performances	6		
23	Reid	Monty	VERSe Ottawa	director@versefest.ca	@VERSeOttawa	https://www.fa	http://ver	Ottawa's International Poetry Festival	Festival, Readings, Performances, Launches, Talks	23	Yes	Youtube: https://www.yo
24	Millar	Jay	Bookhug Press	orders@bookhugpress.ca	@bookhugpress	https://www.fa	https://bookhugpress.ca/		Book Launches, Readings, Talks	6	Yes	Youtube: https://www.yo
25			WordFest London Canada	*Direct Message Facebook Page	@WordsLDN	https://www.fa	http://wo	Words: The Literary and Creative Arts Festival	Festival, Roundtables, Talks, Readings, Performances	25		
26	Ladouceur	Ben	Tree Reading Series	info@treereadingseries.ca	@treeseries	https://www.fa	http://ww	Tree Reading Series	Reading Series	11	Yes	Youtube: https://www.yo
27	Critchley	Cindy	Denman Island Readers and Writer	diwritersfest@gmail.com	n/a	https://www.fa	https://de	Denman Island Virtual Mini-Fest 2020	Festival, Readings, Performances	18	Yes	Website
28	Scott	Daniel	Planet Earth Poetry	http://planetearthpoetry.com/	n/a	https://www.fa	http://pla	Planet Earth Poetry Reading Series	Reading Series, Open Mics	29	Yes	Website
29	Hurtig	Leslie	Vancouver Writers Fest	info@writersfest.bc.ca	@VanWritersFest	https://www.fa	https://wr	Vancouver Writers Fest	Festival, Roundtables, Talks, Readings, Performances	29	Yes	Website
30	Trunkey	Laura	Victoria Festival of Authors	info@victoriafestivalofauthors	@VicFestoAuthors	https://www.fa	https://vic	Victoria Festival of Authors	Festival, Roundtables, Talks, Readings, Performances	8	Yes	Website, Youtube: https:
31	Nish	Bonnie	Word Vancouver	info@wordvancouver.ca	@WORD_Vancouver	https://www.fa	https://w	Word Vancouver Festival	Festival, Roundtables, Talks, Readings, Performances	56		
32	Sellar	Cory	LitFest	info@litfestalberta.org	@LitfestYEG	https://www.fa	https://litf	LitFest 2020	Festival, Roundtables, Talks, Readings, Performances	24		
33	Patel	Nisha	Edmonton Poetry Festival	https://edmontonpoetryfestiva	@edmpoetryfe	https://www.fa	https://ed	Edmonton Poetry Festival	Festival, Roundtables, Talks, Readings, Performances	24		
34	Midgley	Peter	Star Fest	starfest@sapl.ca	@ReadersFest	https://www.fa	https://w	Star Fest St. Albert Readers Festival	Festival, Book Launches, Talks, Readings, Performances	10	Yes	Website, Youtube: https:
35	Grills	Sandra	Word Fest	sgrills@wordfest.com	@WordfestTweets	https://www.fa	https://w	Word Fest	Talks, Book Launches, Readings, Performances	25		

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Phase II: Expanding Data Collection By Organizational Category
Phase III: Crowdsourcing

Archive of the Digital Present - Processing Sheet

File Edit View Insert Format Data Tools Extensions Help Last edit was made 4 days ago by anonymous

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	A	B	C	D	E	F	G	H	I	J	K
1	**Collection (Name of Organization)**	**Cataloguer(s)**	**Progress Status**	**Number of Entries**	**Date of Completion**	**Notes**					
2	Argo Bookshop	Salena	Completed	38	2021-08-12						
3	Accent Poetry Series	Salena	Completed	4	2021-07-22						
4	The Atwater Poetry Project	Aaron	Completed	11	2021-07-08						
5	Poets Corner										
6	Drawn & Quarterly	Sarah/Aaron/Salena	Completed	13	2021-07-23						
7	Librairie Drawn & Quarterly	Aaron	Completed	109	2021-08-12						
8	Glad Day Bookshop	Aaron	Completed	46	2021-08-01						
9	Filling Station Collective	Aaron	Completed	3	2021-07-12						
10	Yolk Literary Magazine	Aaron	Completed	3	2021-07-21						
11	Metatron Press	Salena	Completed	2	2021-07-10						
12	Quebec Writers' Federation	Aaron	Completed	18	2021-07-22						
13	The Words & Music Show (Words and Music)	Aaron	Completed	12	2021-07-07						
14	The Void Magazine	Salena	Completed	2	2021-07-10						
15	Soliloquies Anthology Magazine	Aaron	Completed	2	2021-07-09						
16	Dead Poets Reading Series										
17	Palimpsest Press	Aaron	Completed	7	2021-07-09						
18	Coach House Books	Sarah/Salena	Completed	4	2021-07-05						
19	Bi + Arts Festival										
20	Audible Canada										
21	Banff Centre for Arts and Creativity										
22	Attic Owl	Aaron	Completed	10	2021-07-14						
23	VERSe Ottawa	Aaron	Completed	22	2021-07-13						
24	Bookhug Press	Aaron	Completed	14	2021-07-19						
25	WordFest London Canada	Aaron	Completed	25	2021-07-21						
26	Tree Reading Series	Aaron	Completed	15	2021-07-05						
27	Denman Island Readers and Writers Festival										
28	Planet Earth Poetry	Aaron	Completed	48	2021-07-29						
29	Vancouver Writers Fest	Aaron	Completed	3	2021-07-07						

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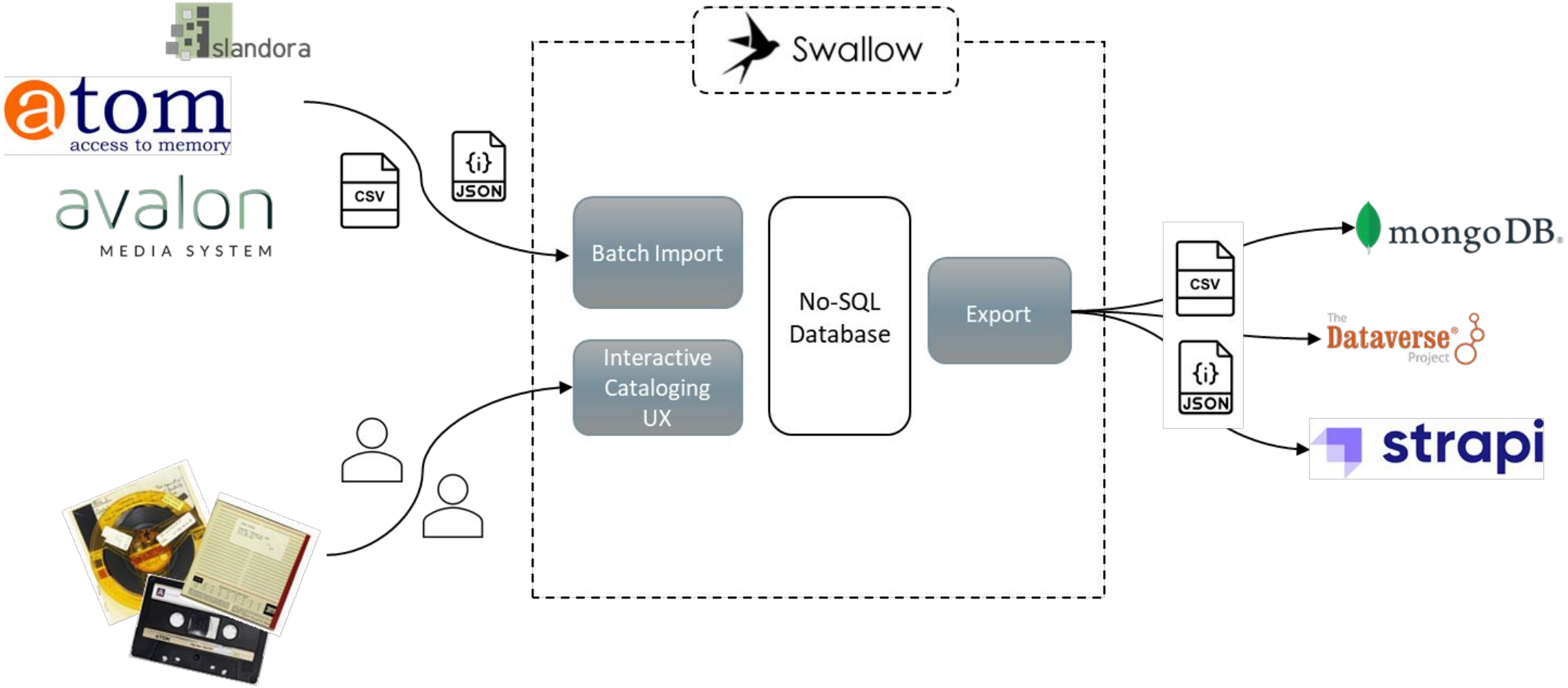
Swallow

SpokenWeb Metadata Ingest System



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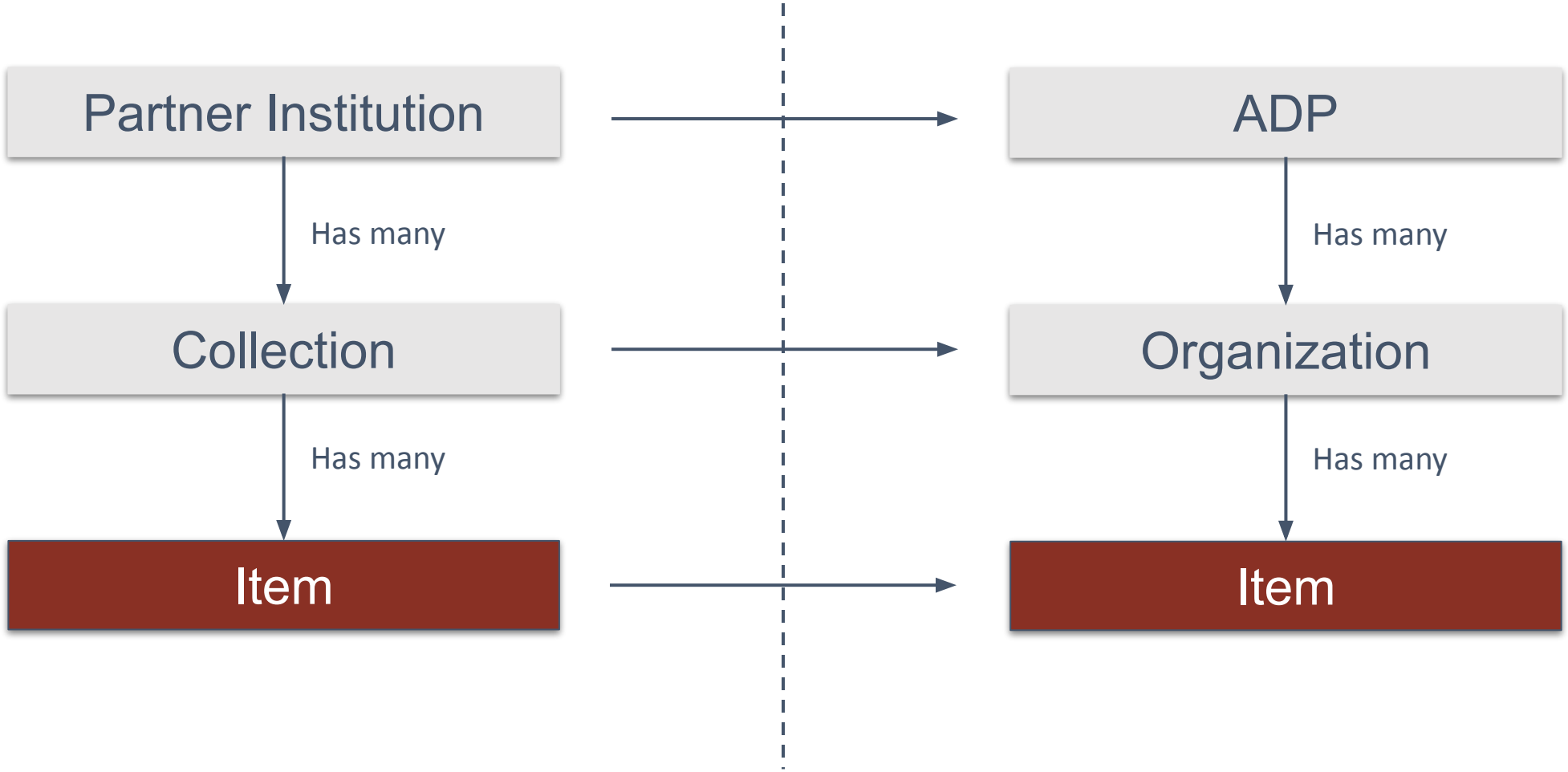
Swallow

SpokenWeb Metadata Ingest System



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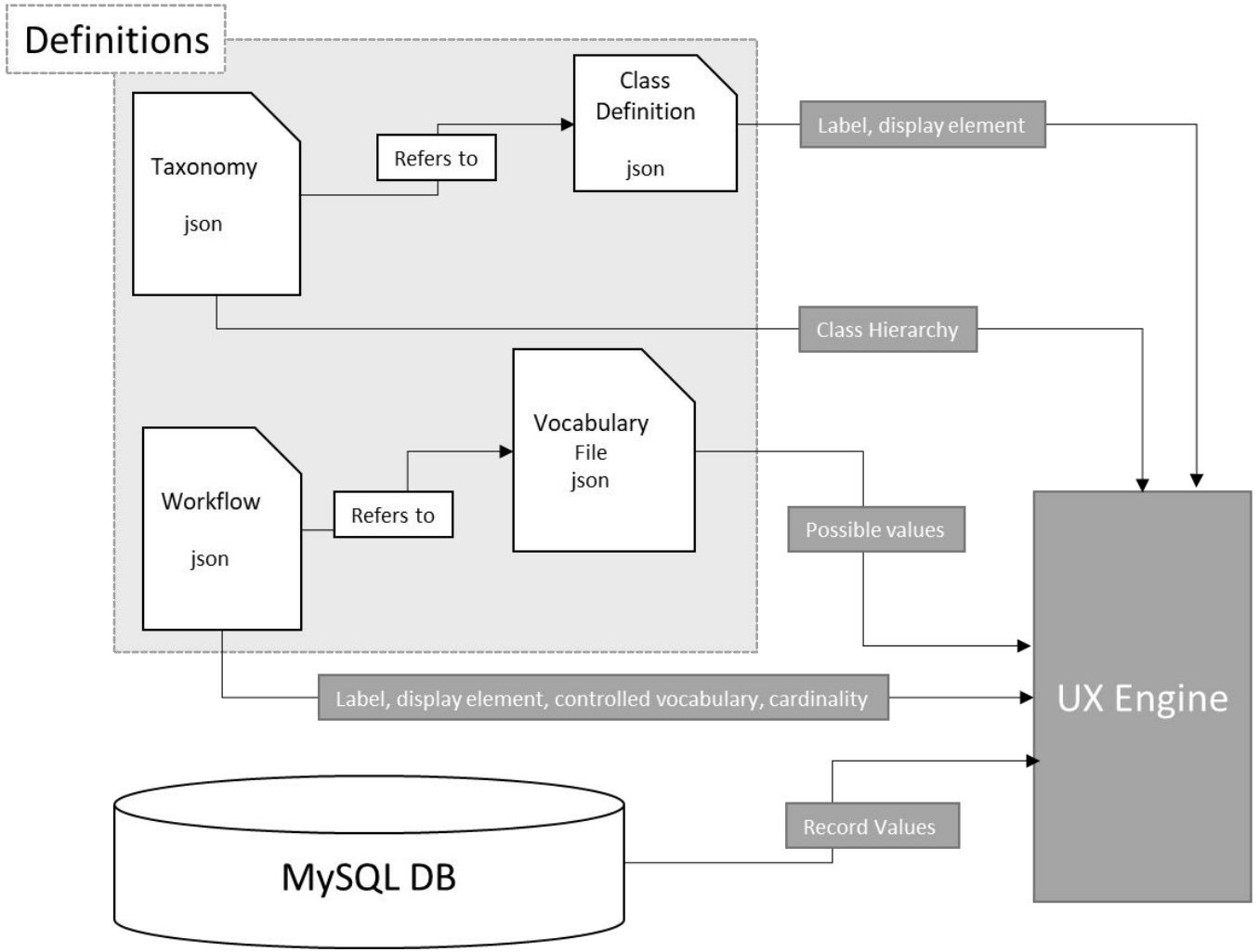
Swallow

SpokenWeb Metadata Ingest System



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UX Front-end Design

User experience Design, Participatory Design, Usability Research & Prototype Development

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User Experience Design = Human-centred Design

Design frameworks used in the ADP front-end design:

- Human-centred Design: focus on people and users
- Participatory Design: Design *with* the stakeholders, not only *for* them (co-creation/co-design: the designer as a facilitator instead of an author)
- The "Design-thinking" double-diamond model for innovation

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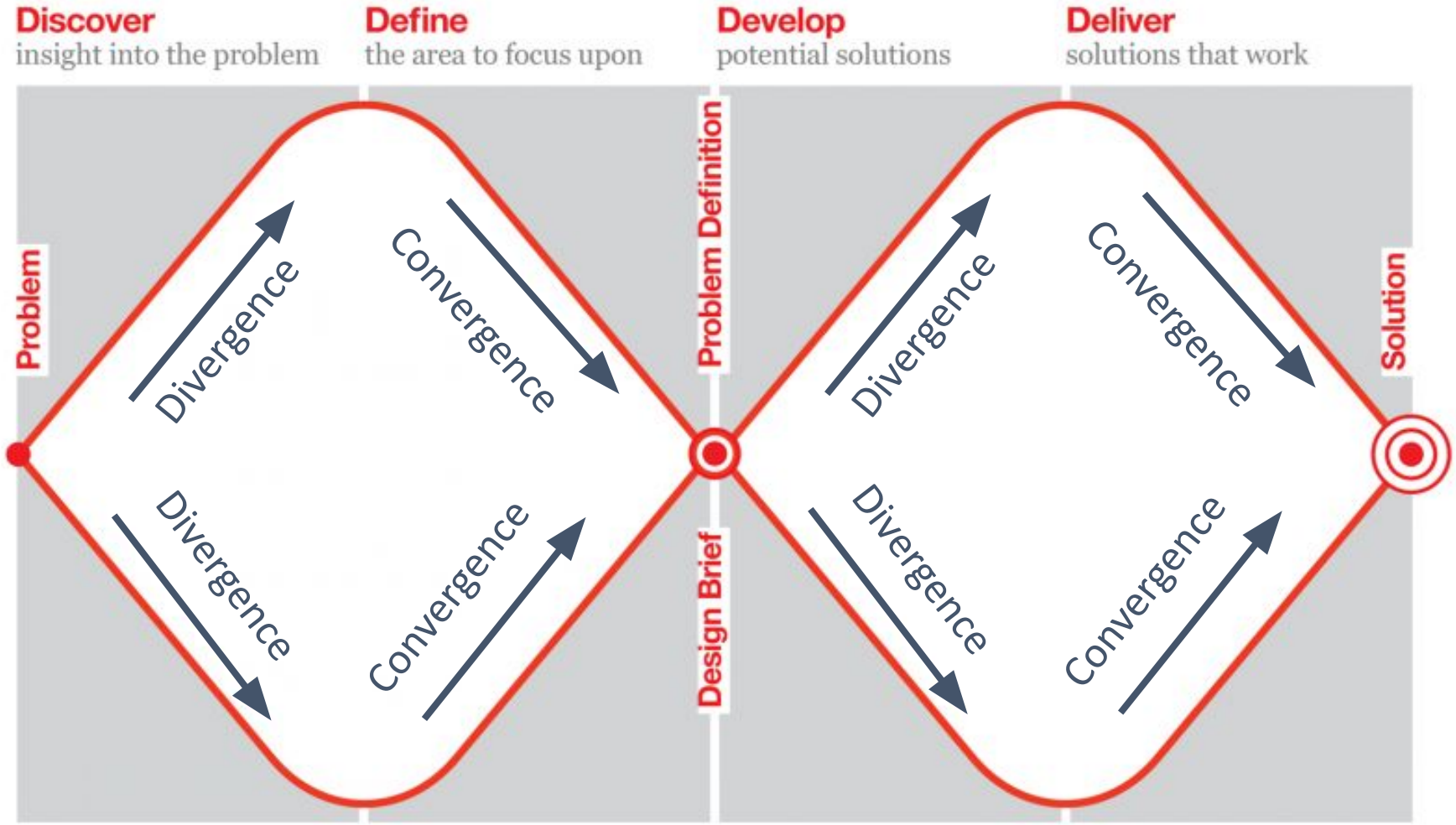
"Design Thinking": a model for innovation

The Double Diamond Model:



Source: UK Design Council - https://www.designcouncil.org.uk/

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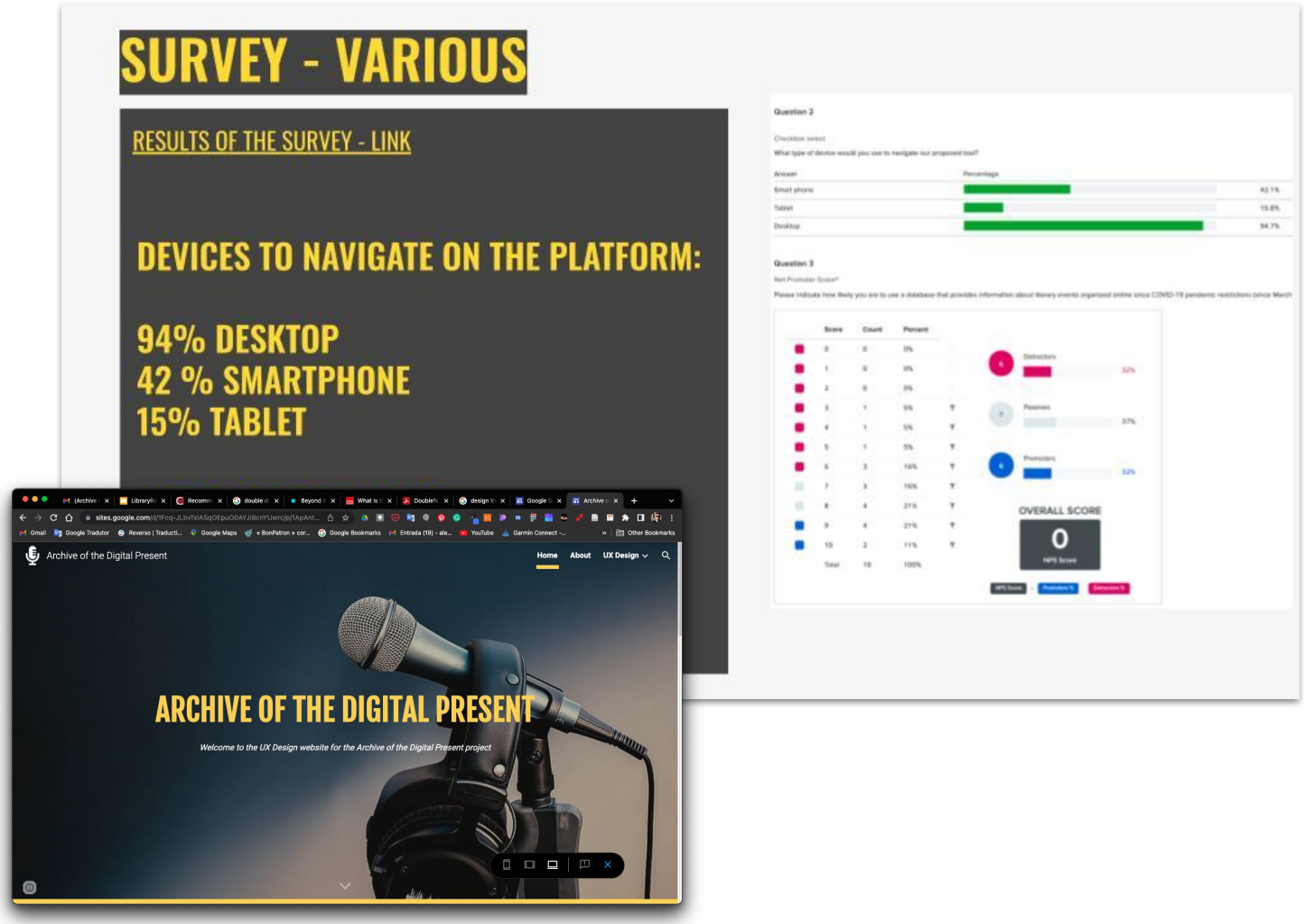
Understanding the user

Collecting information about the stakeholders needs and motivations to use the interface

- Stakeholders survey and interviews;
- Persona and User Journeys workshops;
- Creation of a website to communicate about the UX design process



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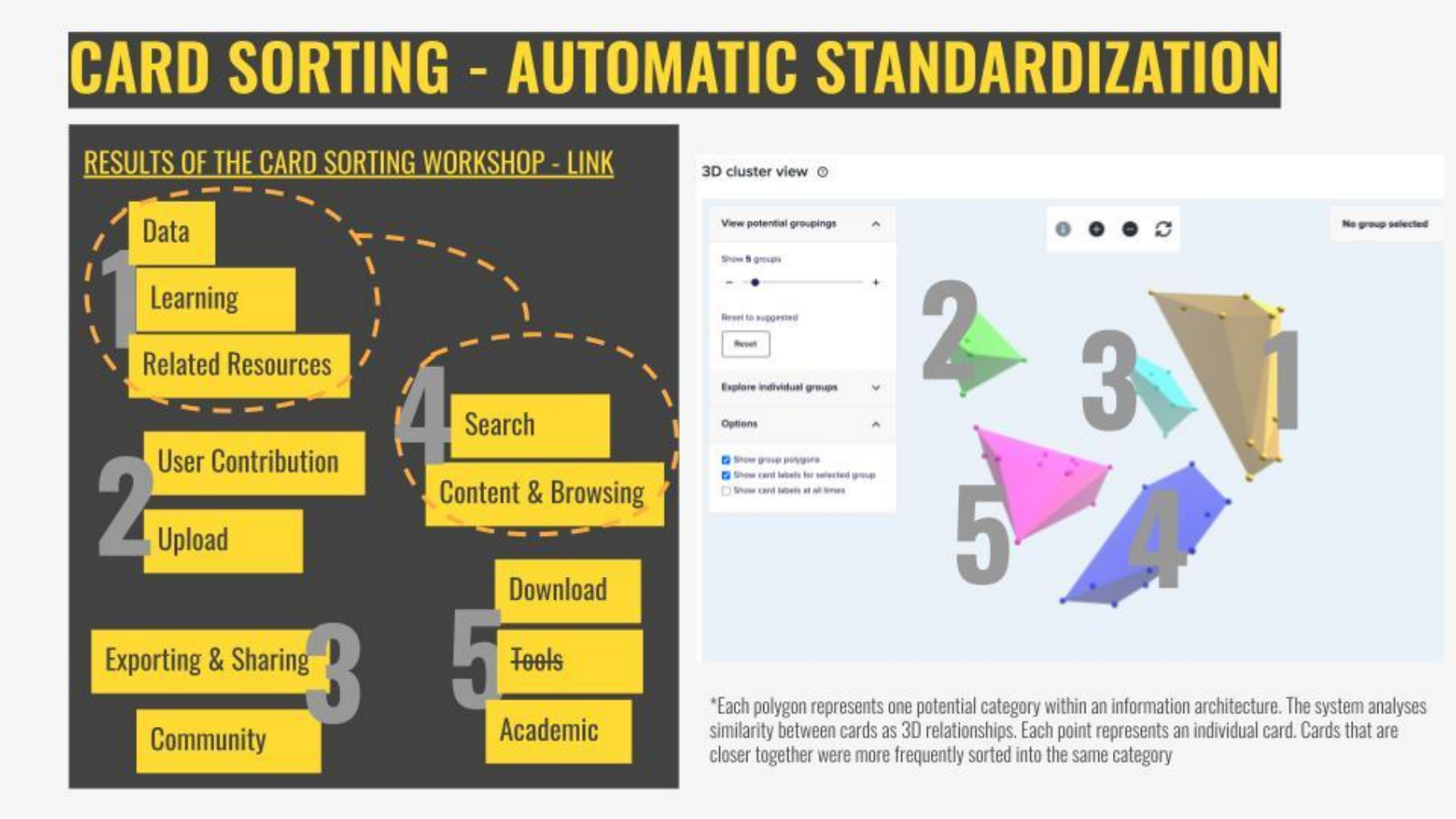
Information Architecture

Building the interface information architecture from user consultations



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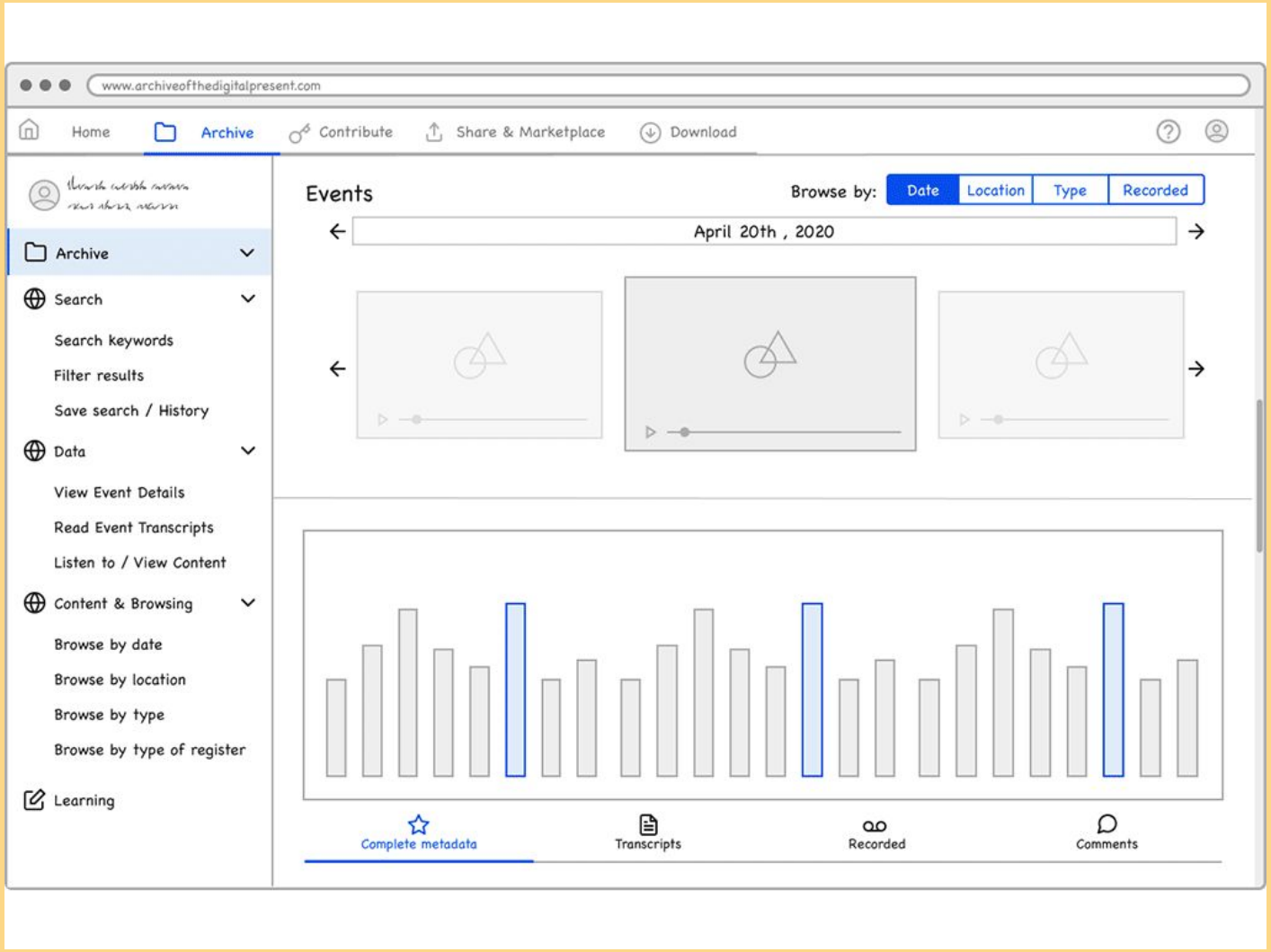
Designing the interface

From hand-drawn mockups to a high-fidelity interactive prototype



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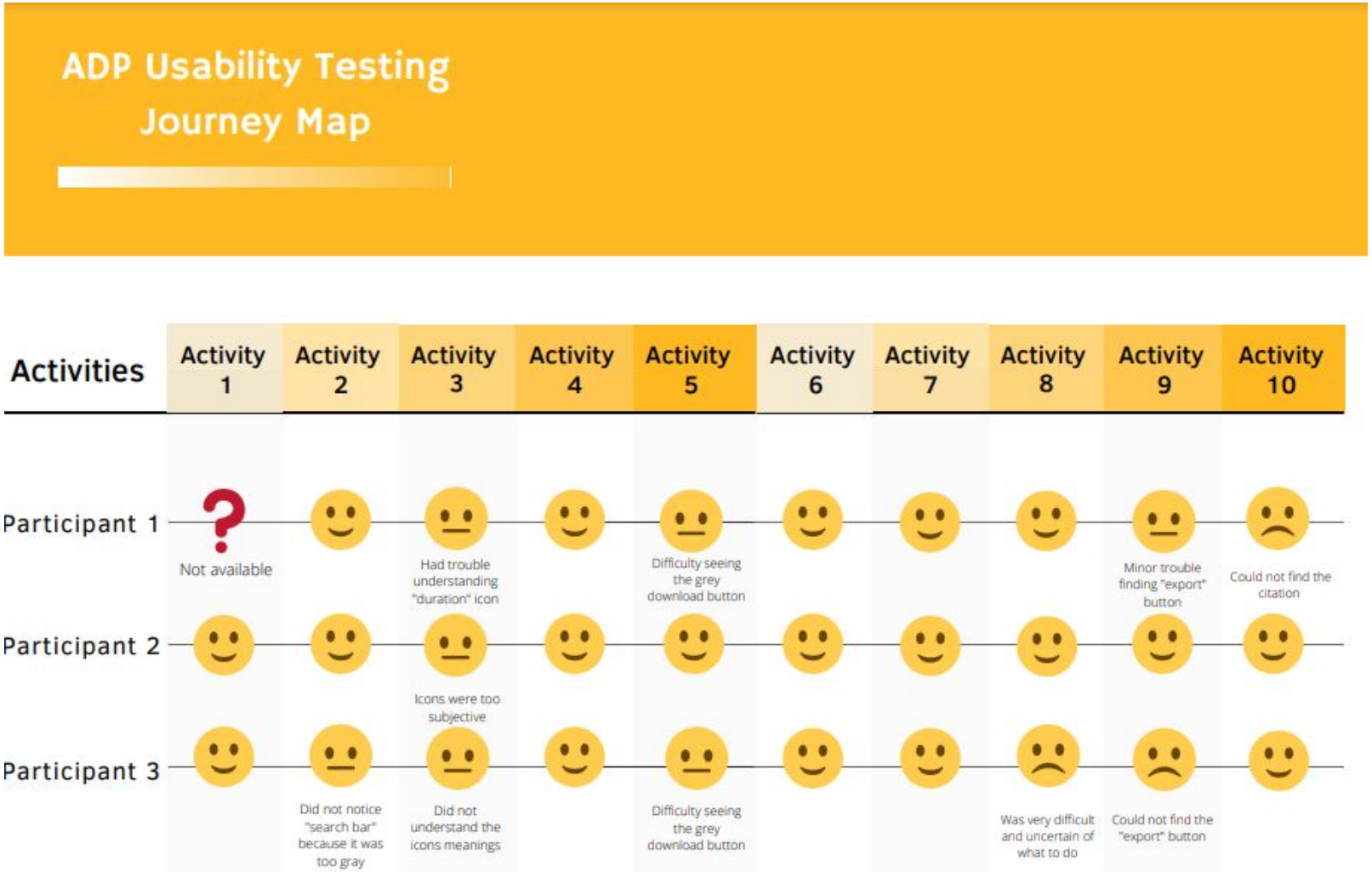
Usability Research

Journey Map



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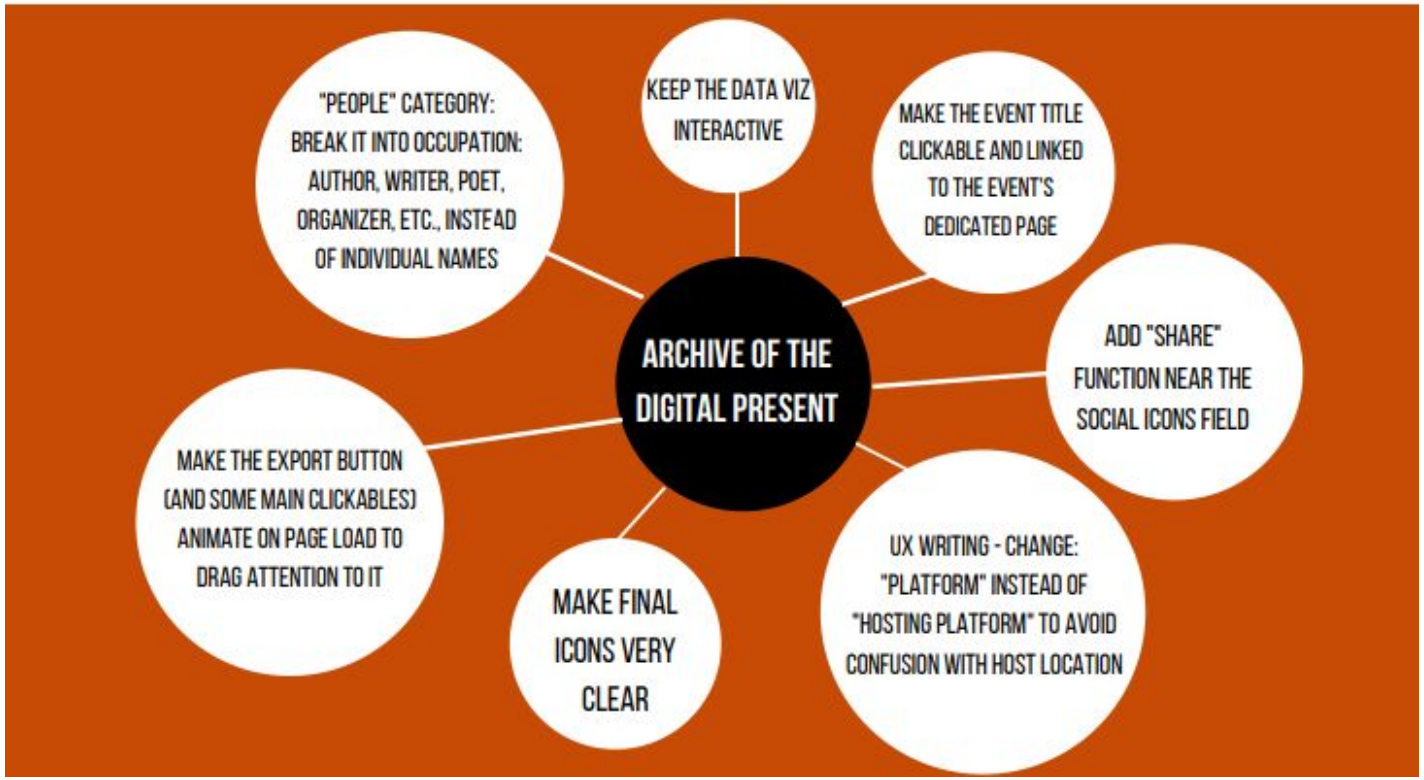
Usability Research

Journey Map

ADP USABILITY TEST
MAIN TAKEAWAY



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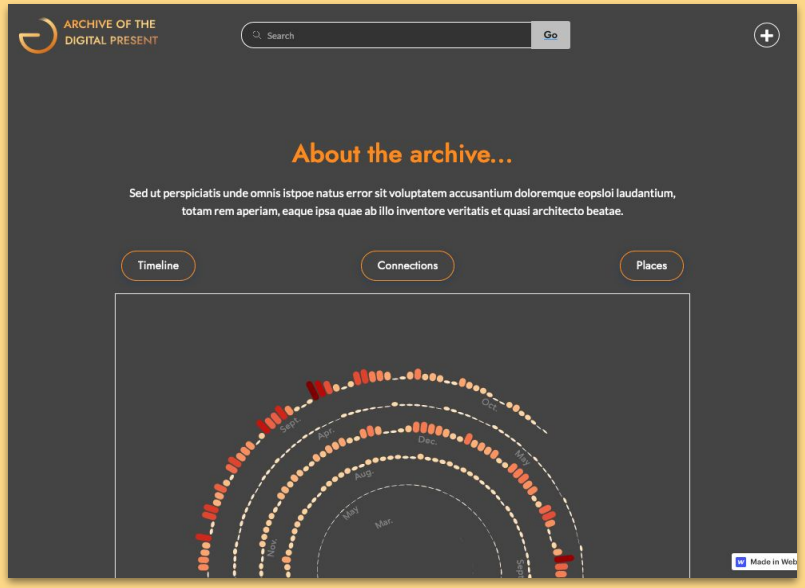
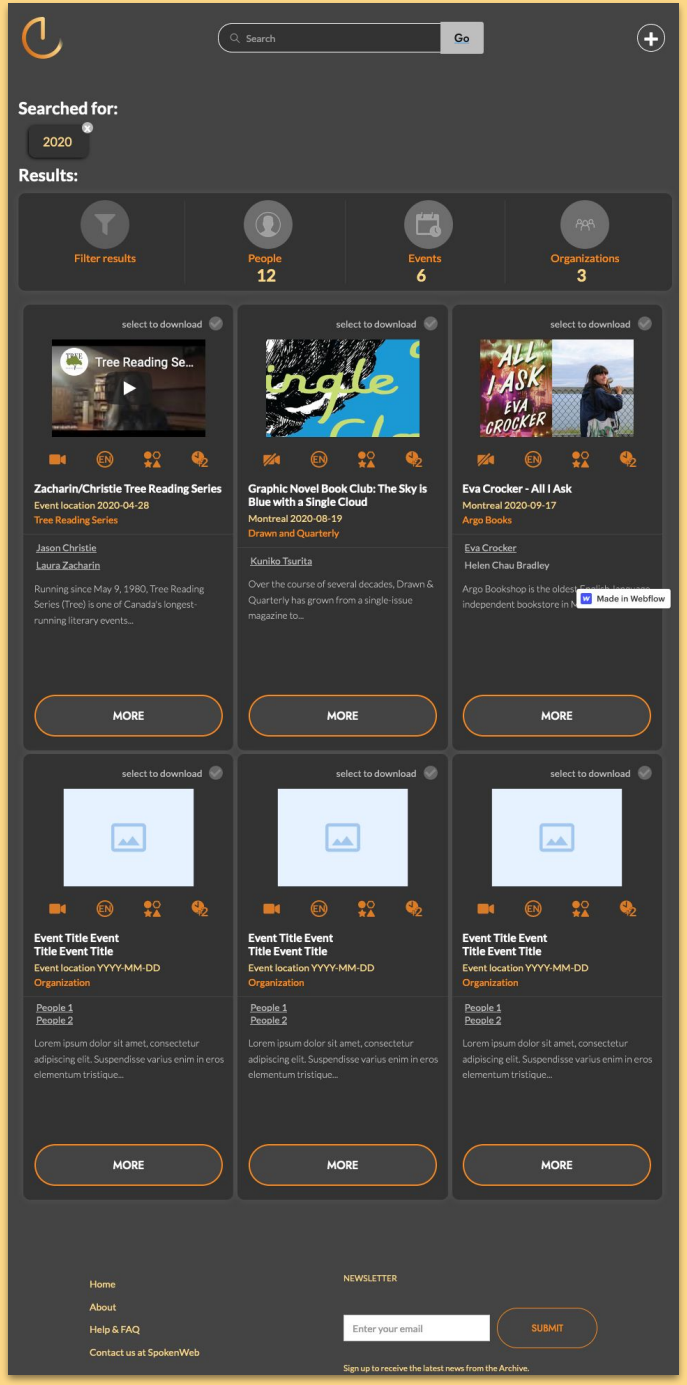
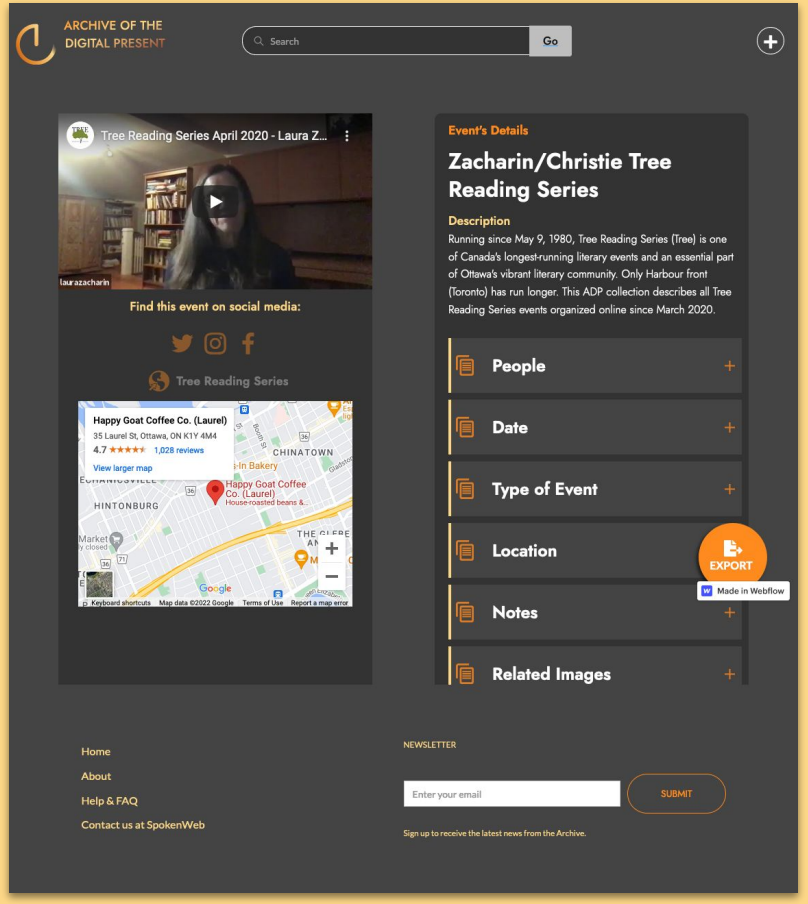
Final Design







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Data Visualization

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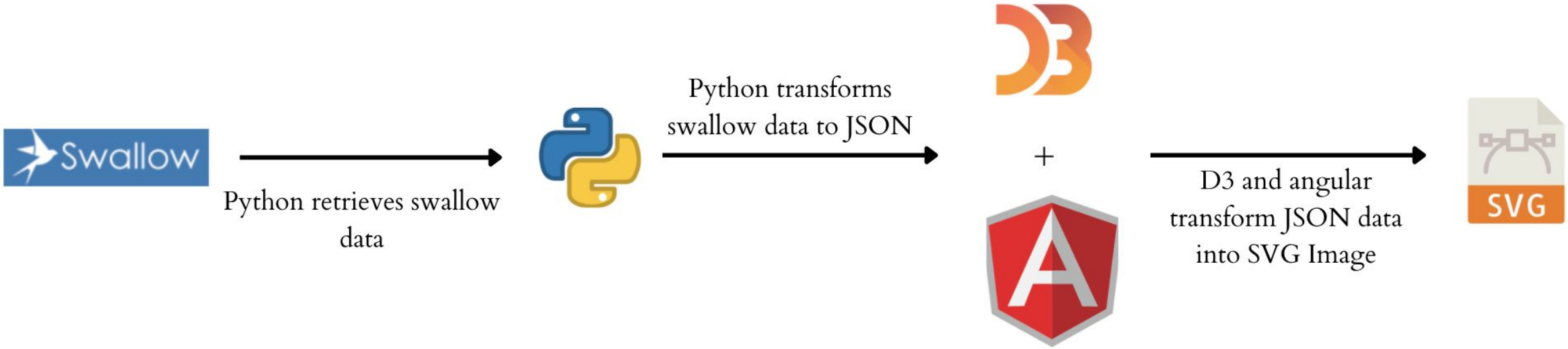
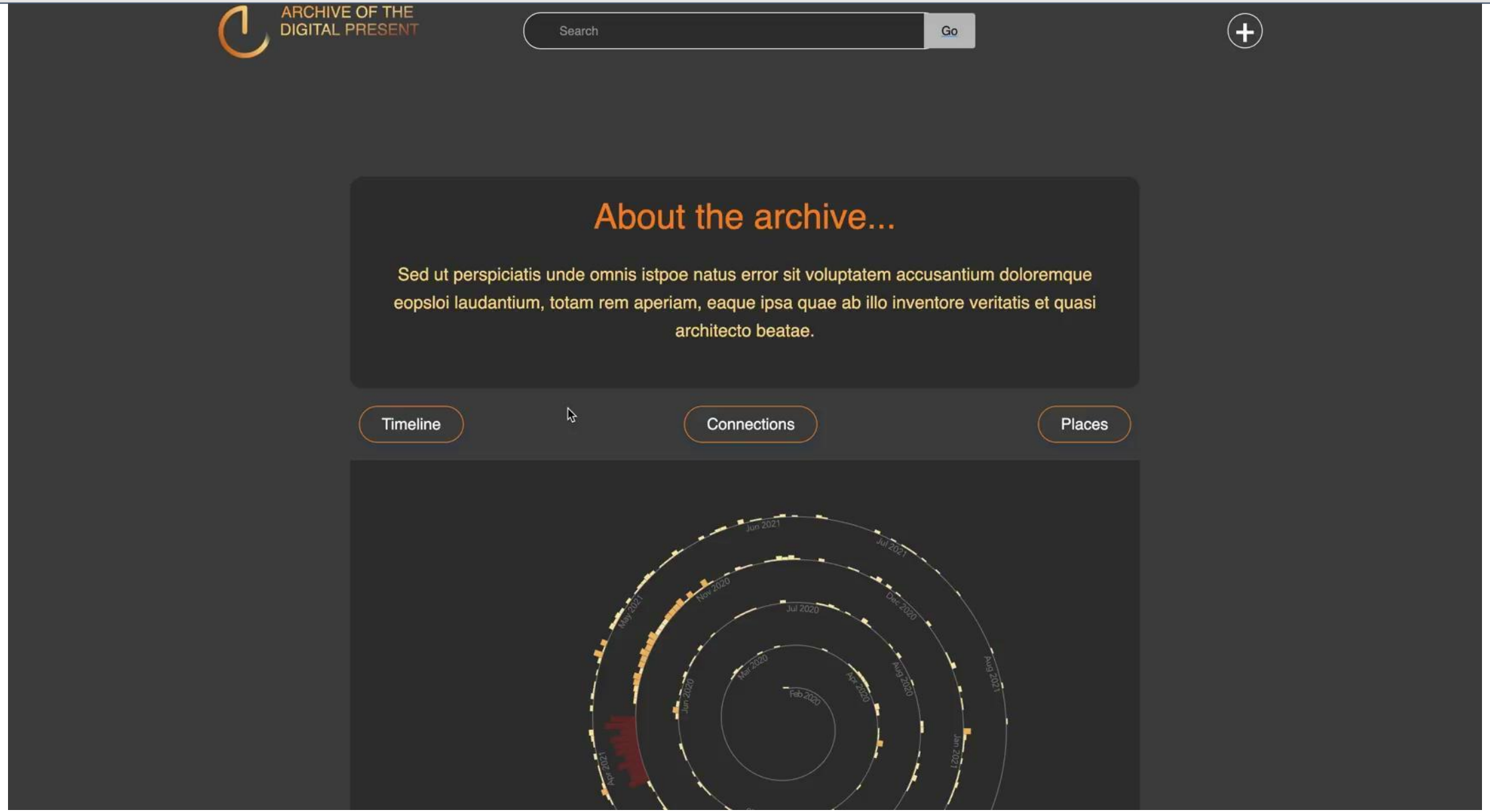
How the data is Transformed?



Images Ref: Google

Data Visualization - Timeline



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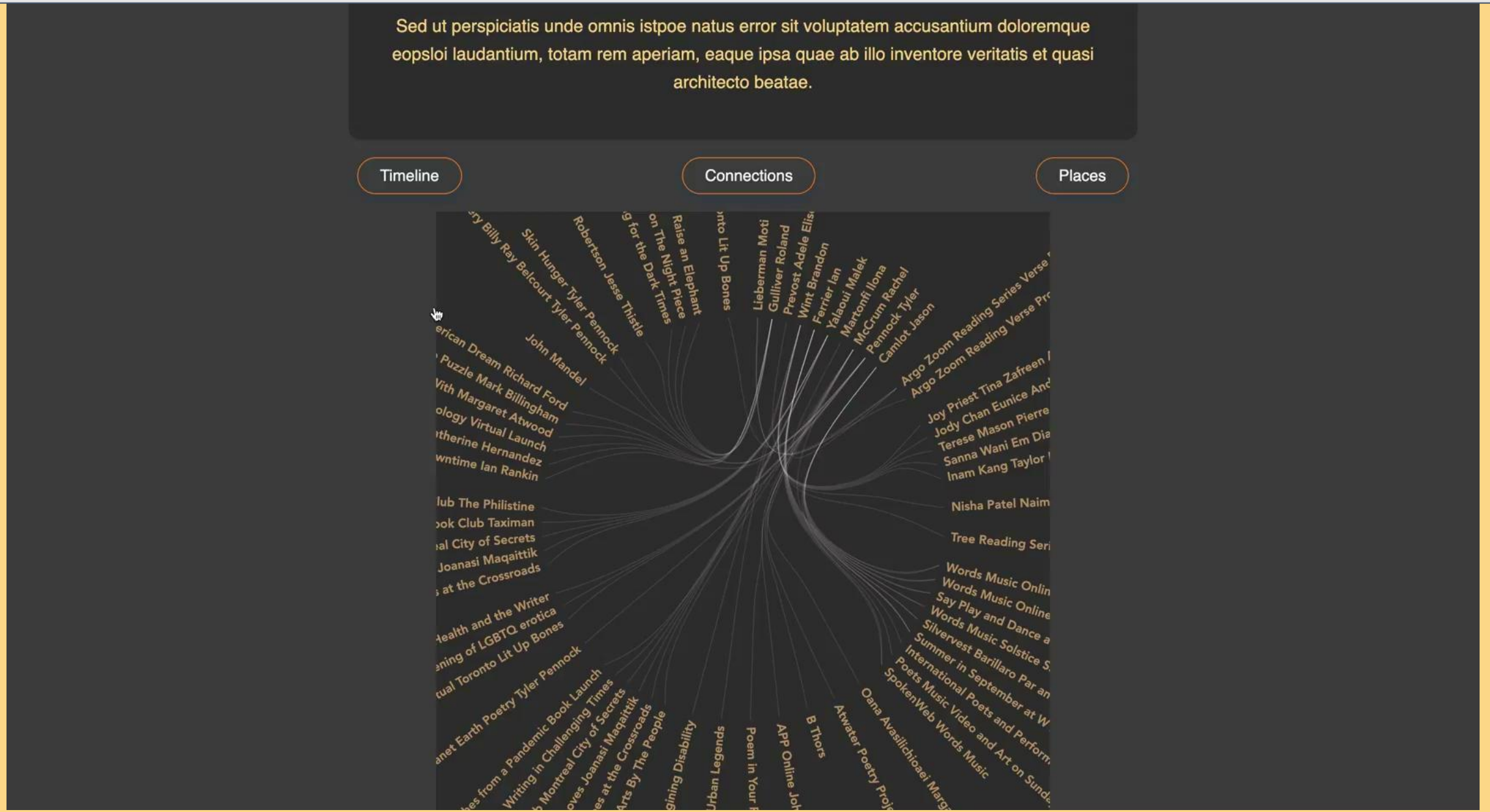
Data Visualization - Connections



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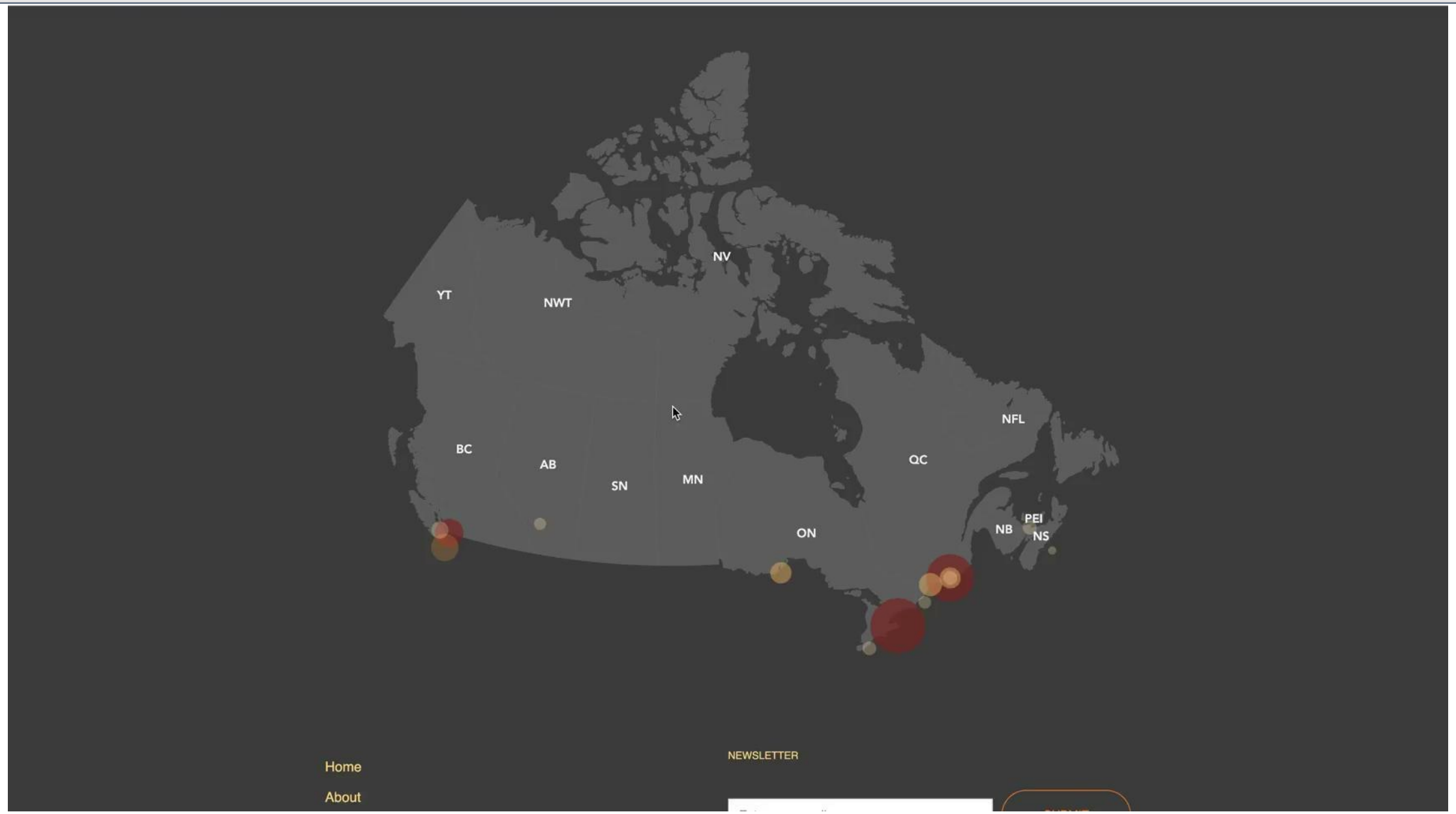
Data Visualization - Places



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Technology Stack for Browse & Search Interface

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JAMSTACK

JavaScript

APIs

Markup

Performance

High Security

Scalability

Excellent Developer Experience

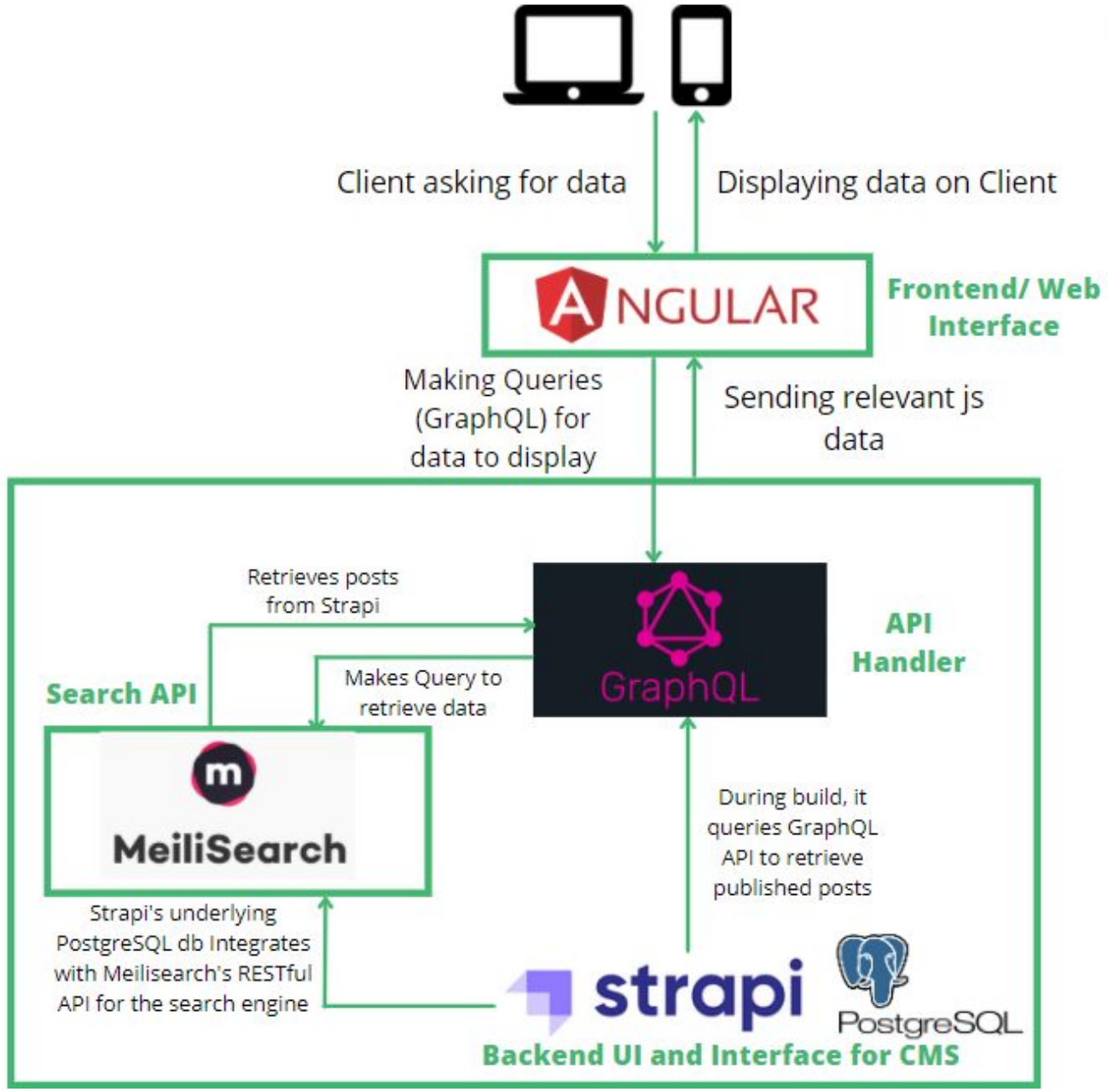
No server or back-end

At a Glance:

Elements of the Technology Stack

Key Considerations :

- Performance
- Scale
- Maintainability



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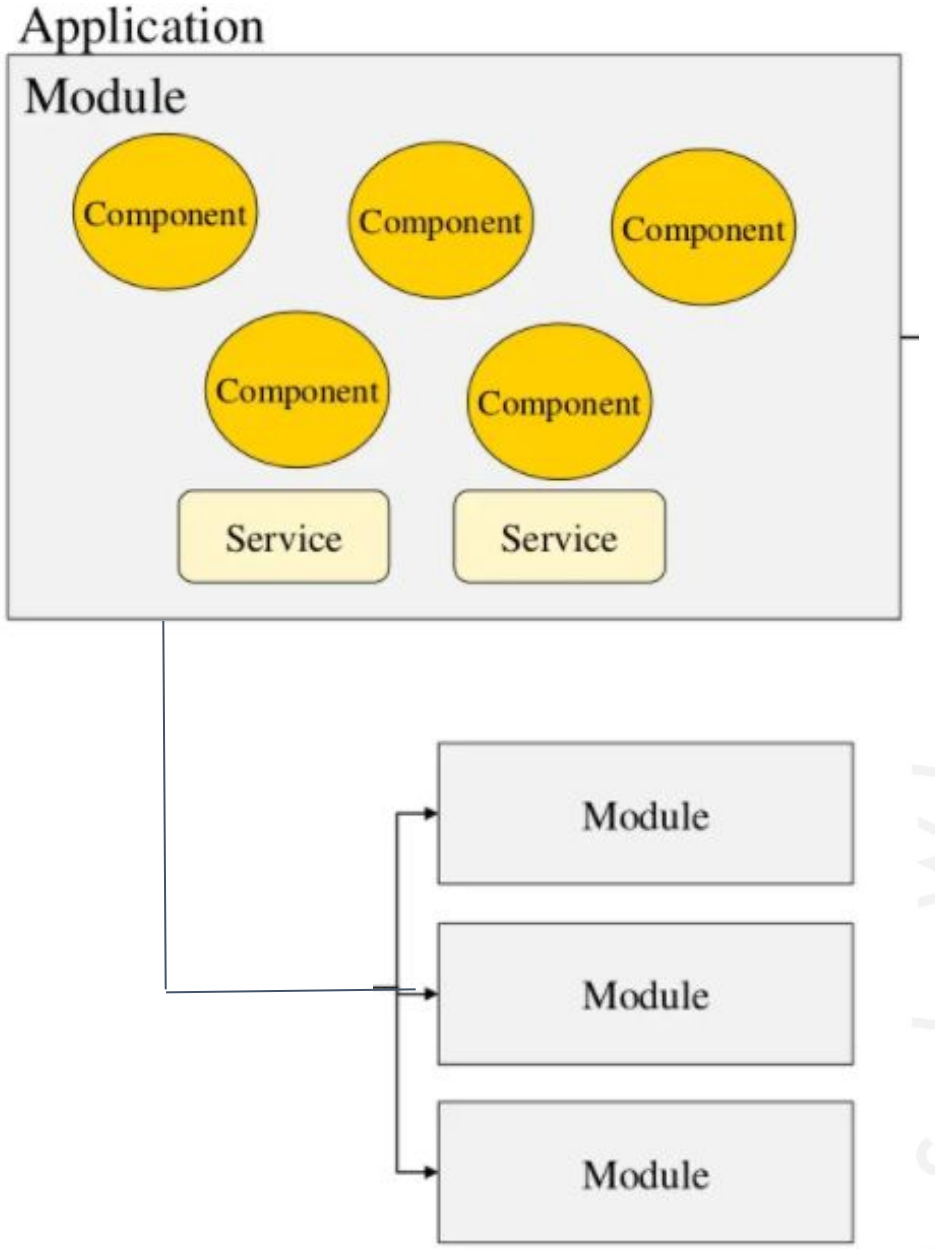
Angular: JS Framework

Building client-side apps using HTML

- Jamstack sites remove the need to generate page views on a server at request time by instead generating pages ahead of time during a build.

- Jamstack provides simpler deployments, built-in redundancy and incredible load capacity. This helps scaling for heavy traffic loads



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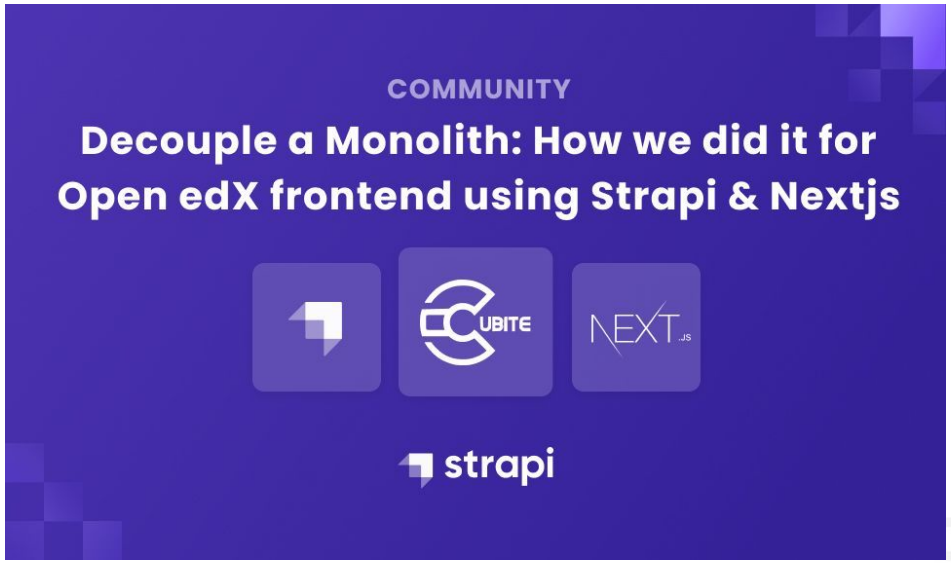
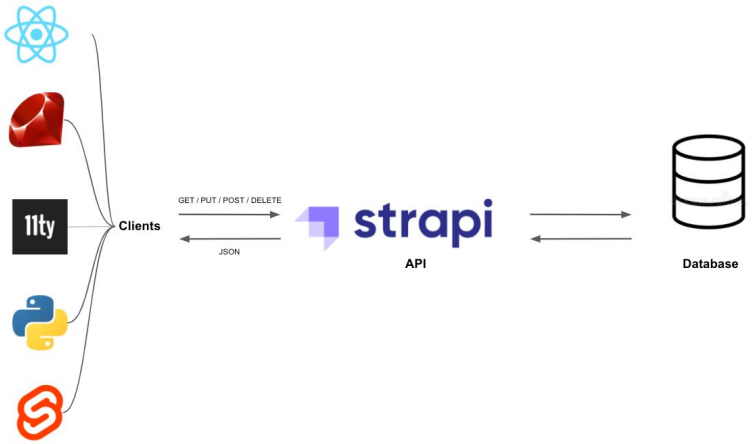
Strapi: Open Source Headless CMS

GraphQL or RESTful API, 100% Javascript, Webhooks, Authentication & Permissions

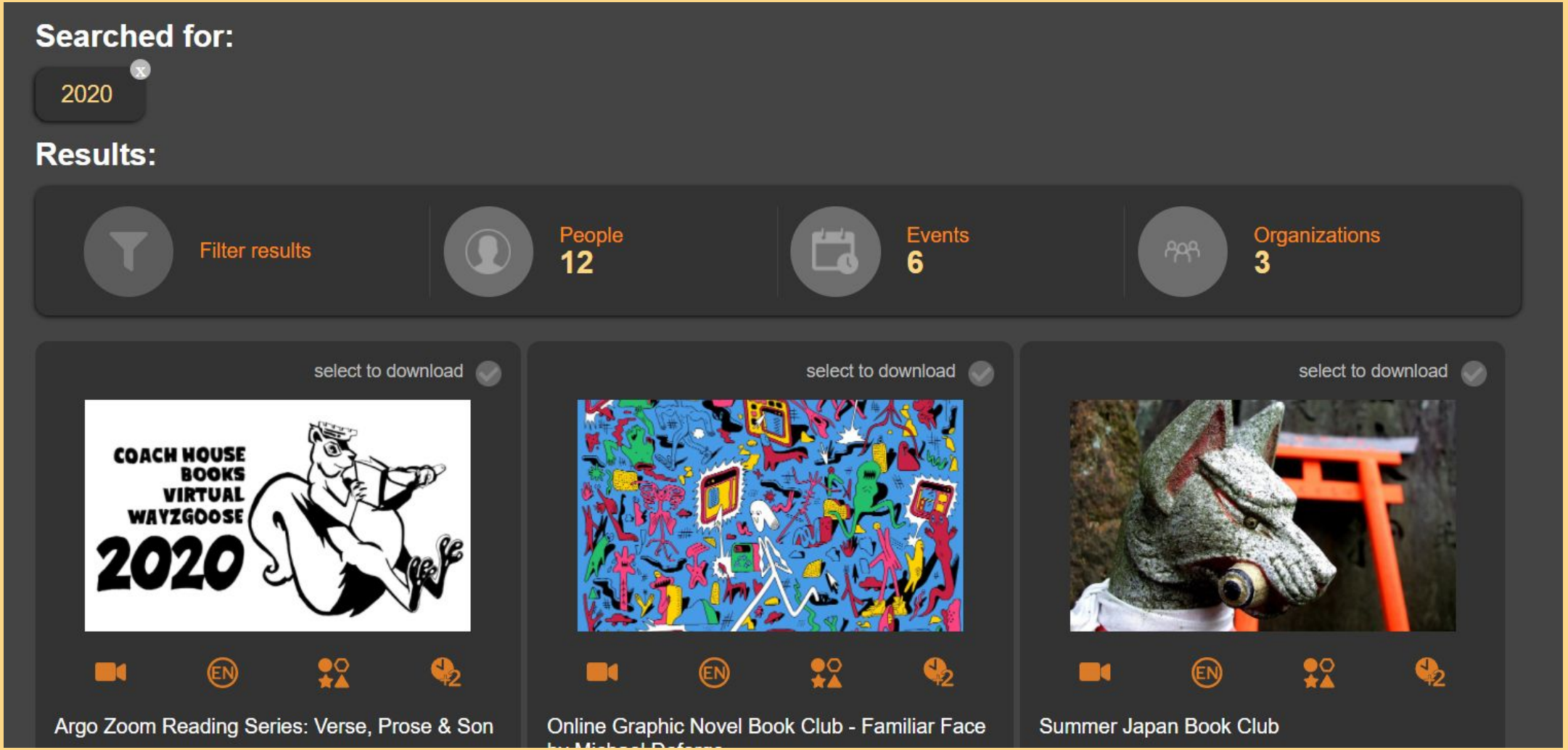
- Popular architectures deal with heavy traffic loads by adding logic to cache popular views and resources.

- With Jamstack sites everything can be cached in a content delivery network. With simpler deployments, built-in redundancy and incredible load capacity.





Meilisearch



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Acknowledgements

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We would like to thank all of the participants - publishers, writers, literary organizers, scholars and students - who generously contributed their time through participation in our usability workshops. Thanks to research assistant Eva Lu (U Toronto) who assisted with the UX research, and to Ben Hynes (project manager).

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Questions?

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