



***Archive of the Digital Present (ADP),
COVID-19 Period: Collecting and
Visualizing Metadata of Online Literary
Events Hosted in Canada, March 2020 -
September 2021***

**International Conference on Digital Humanities, Tokyo (Virtual Conference)
July 29th, 2022**

**Jason Camlot, Tomasz Neugebauer, Francisco Berrizbeitia, Ben Joseph, Alexandre Bustamante,
Sukesh Gandham**

Presentation Outline

- **Data Collection of Metadata for Online Literary Performance in Canada (Pandemic Period) using Swallow Metadata Ingest System**
Tomasz Neugebauer, Digital Projects & Systems Development Librarian, 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**





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

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



Phase I: First Data List created from social media posts advertising online literary events

Phase II: Expanding Data Collection by researching according to organizational categories

Phase III: Crowdsourcing - requesting feedback on our data set from literary communities across Canada

docs.google.com/spreadsheets/d/1osPIC_JPcZj7o2egM7v_2CHmQmPbmy4u5Y7mYmQaBHg/edit#gid=0

Teamwork Projects Course: ENGL 60... Zoom Concordia... Research Portal... Welcome to the C... SpokenWeb Com... 25 Best Dumbbell... files.spokenweb.ca SWALLOW | Meta...

Archive of the Digital Present - Processing Sheet

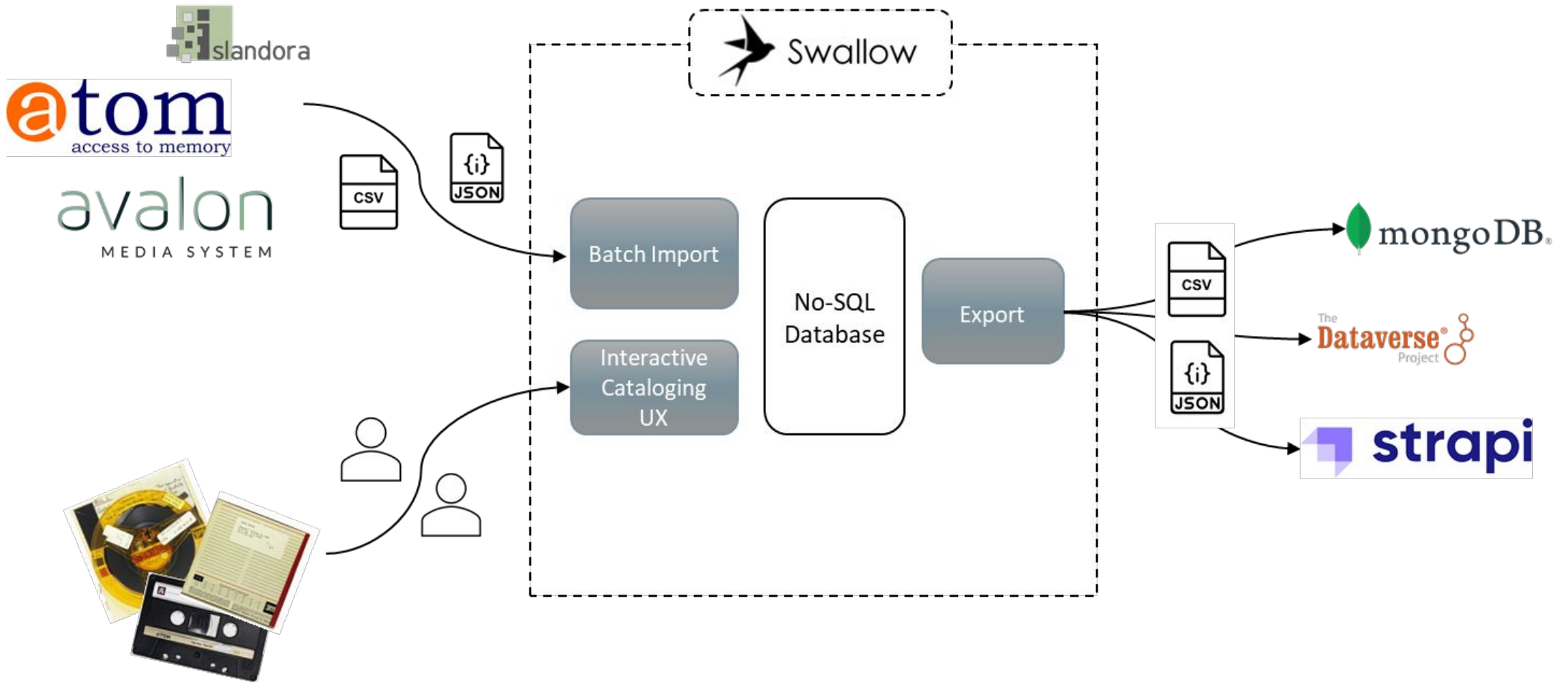
File Edit View Insert Format Data Tools Extensions Help Last edit was made yesterday at 6:23 PM by anonymous

	A	B	C	D	E	F
1		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	Banff Centre for Arts and Creativity	Aaron	Completed	6	2022-06-20	
21	Attic Owl	Aaron	Completed	10	2021-07-14	
22	VERSe Ottawa	Aaron	Completed	22	2021-07-13	
23	Bookhug Press	Aaron	Completed	14	2021-07-19	
24	WordFest London Canada	Aaron	Completed	25	2021-07-21	
25	Tree Reading Series	Aaron	Completed	15	2021-07-05	
26	Denman Island Readers and Writers Festival					
27	Planet Earth Poetry	Aaron	Completed	48	2021-07-29	
28	Vancouver Writers Fest	Aaron	Completed	3	2021-07-07	
29	Victoria Festival of Authors	Aaron	Completed	9	2021-08-16	
30	Word Vancouver	Aaron	Completed	57	2021-08-25	
31	LitFest	Diya	In progress (On pause)			
32	Star Fest					
33	WordFest	Aaron	Completed	24		
34	Saskatchewan Festival of Words	Diya	Completed	6		
35	Thin Air					
36	Metatron Press					



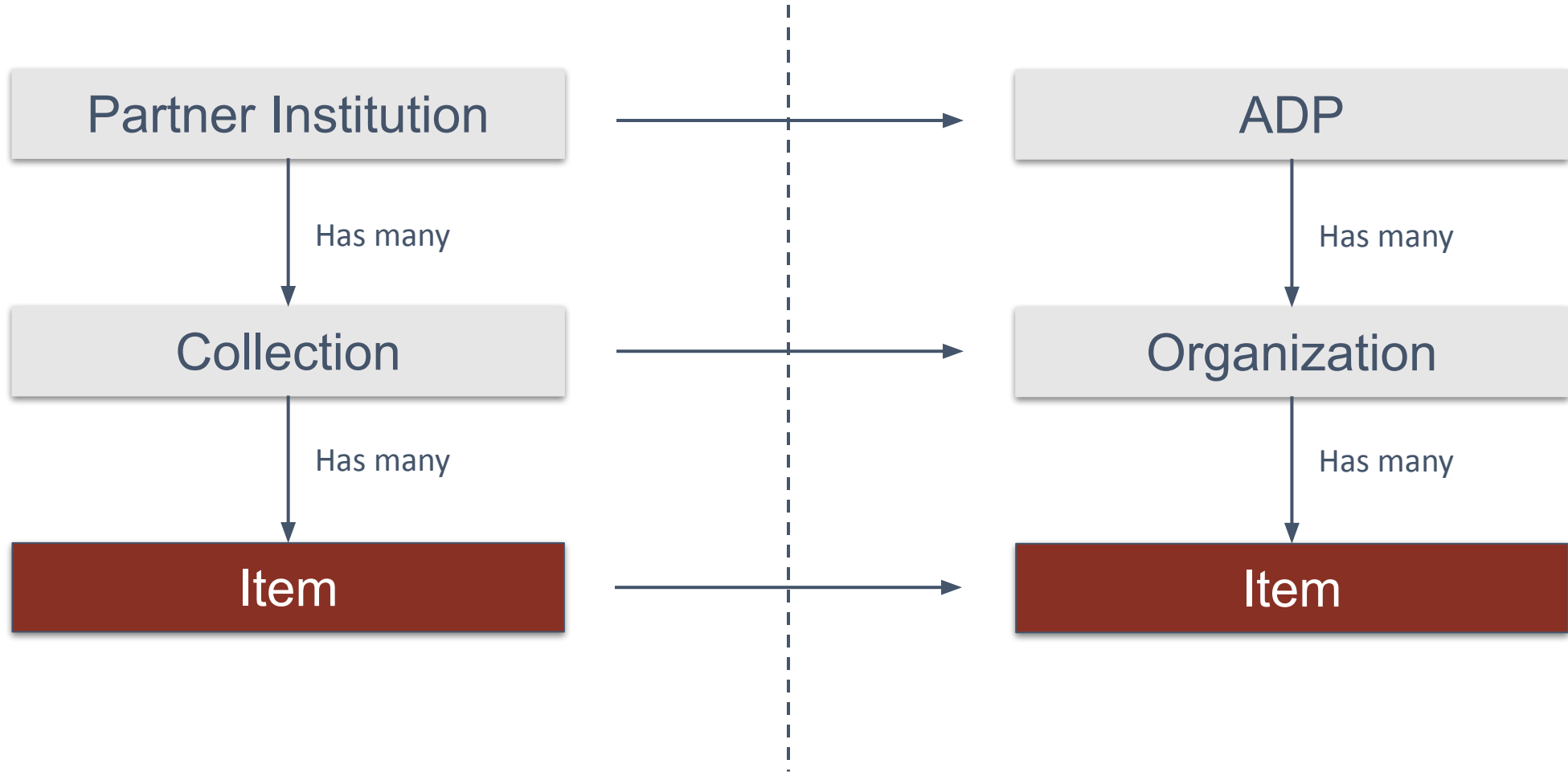
Swallow

SpokenWeb Metadata Ingest System



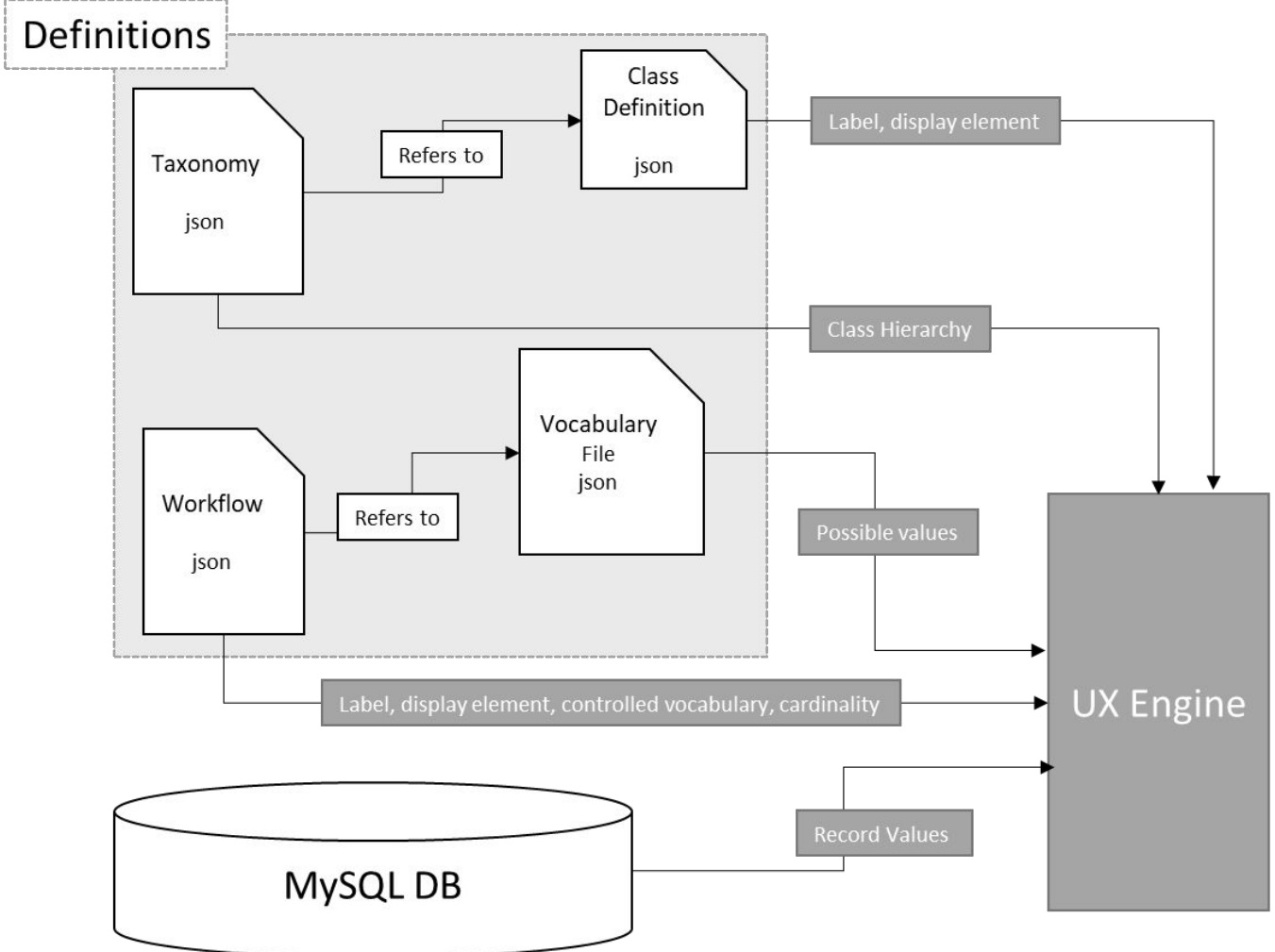
Swallow

SpokenWeb Metadata Ingest System



Swallow

SpokenWeb Metadata Ingest System





UX Front-end Design

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

User Experience Design = Human-centred Design

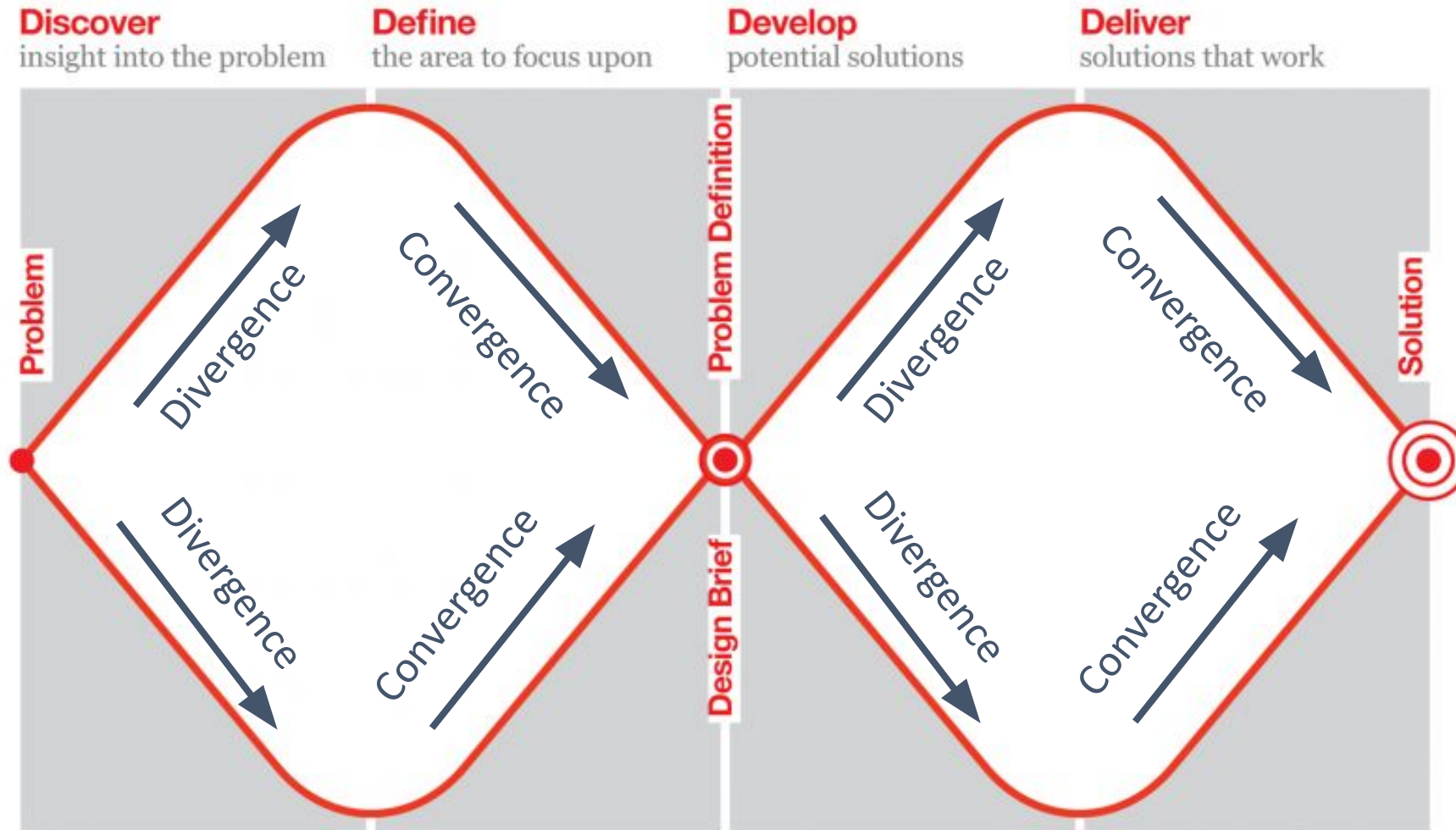
Design frameworks used in the ADP front-end design:

- 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



"Design Thinking": a model for innovation

The Double Diamond Model:



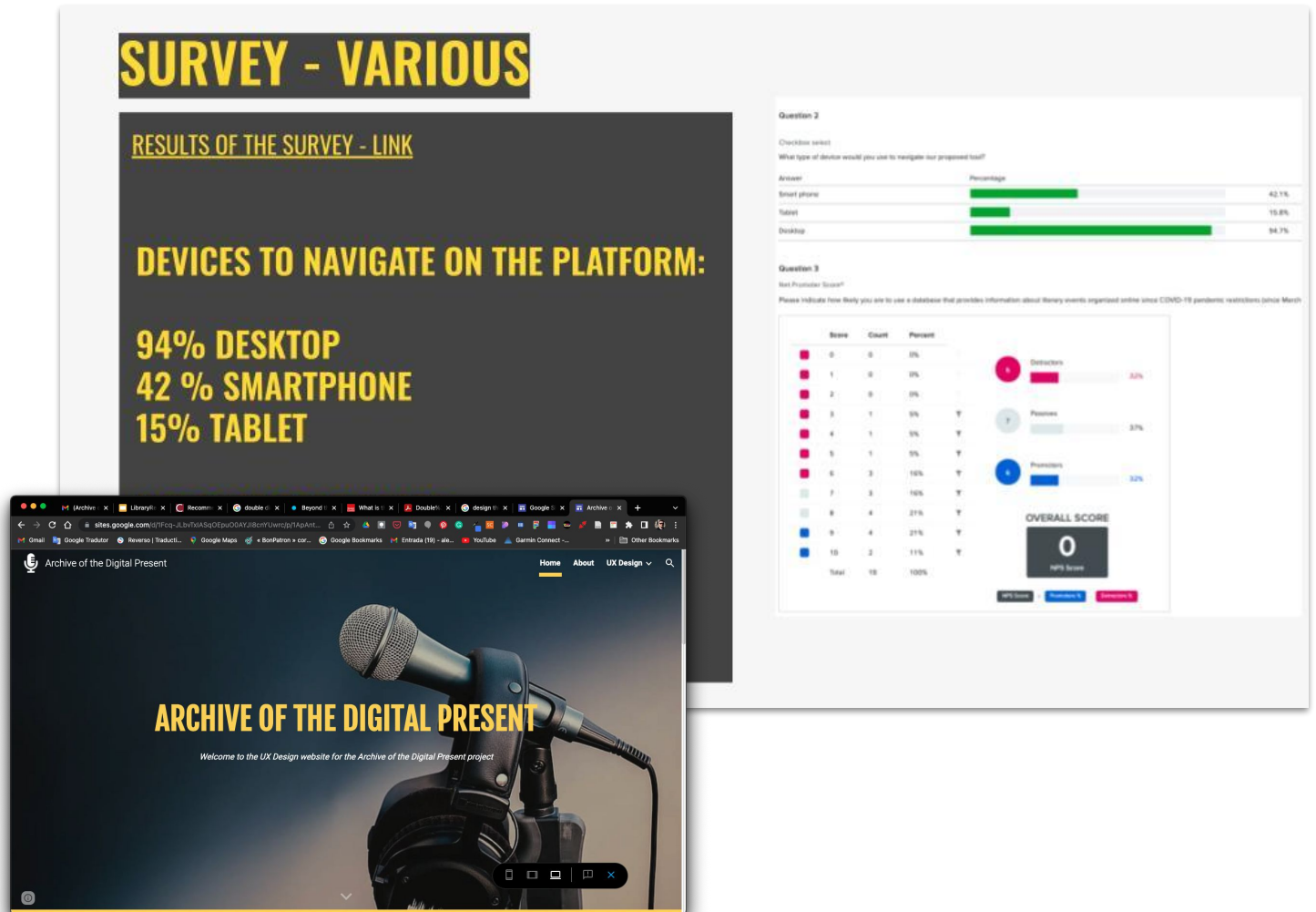
Source: UK Design Council - <https://www.designcouncil.org.uk/>



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



Information Architecture

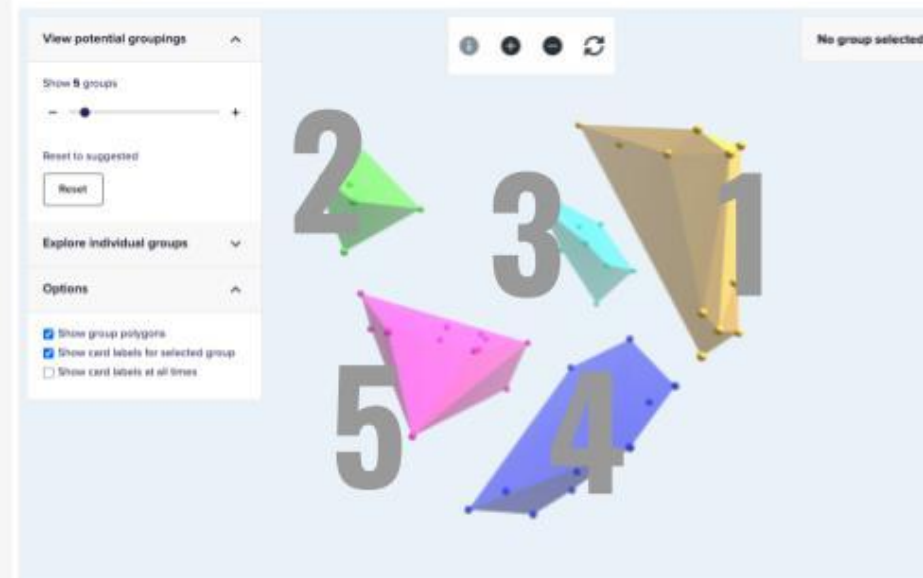
Building the interface information architecture from user consultations

CARD SORTING - AUTOMATIC STANDARDIZATION

RESULTS OF THE CARD SORTING WORKSHOP - LINK



3D cluster view

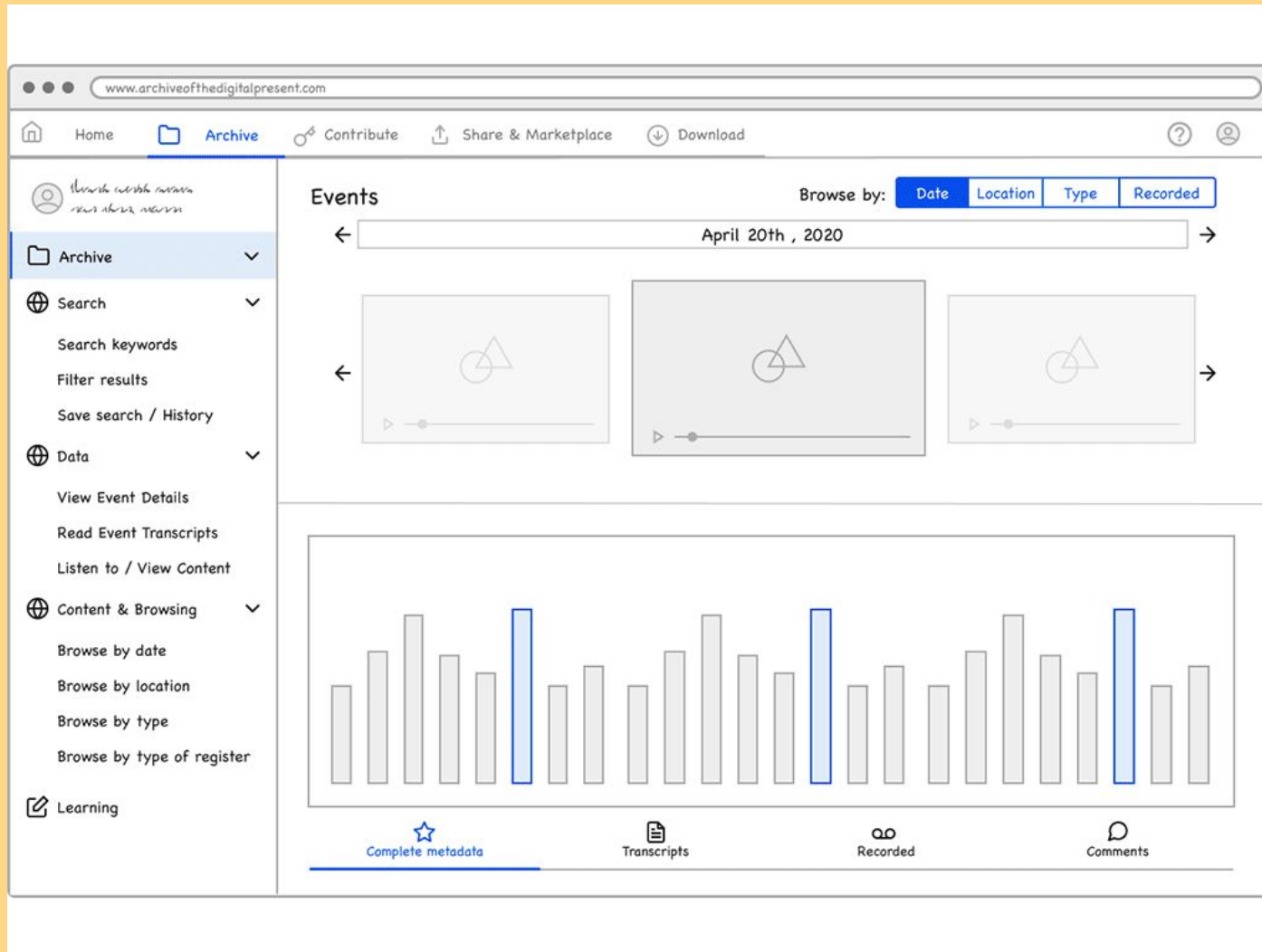


*Each polygon represents one potential category within an information architecture. The system analyses similarity between cards as 3D relationships. Each point represents an individual card. Cards that are closer together were more frequently sorted into the same category



Designing the interface































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



Usability Research

Journey Map

ADP Usability Testing Journey Map

Activities	Activity 1	Activity 2	Activity 3	Activity 4	Activity 5	Activity 6	Activity 7	Activity 8	Activity 9	Activity 10
Participant 1	 Not available		 Had trouble understanding "duration" icon		 Difficulty seeing the grey download button				 Minor trouble finding "export" button	 Could not find the citation
Participant 2			 Icons were too subjective							
Participant 3		 Did not notice "search bar" because it was too gray	 Did not understand the icons meanings		 Difficulty seeing the grey download button			 Was very difficult and uncertain of what to do	 Could not find the "export" button	



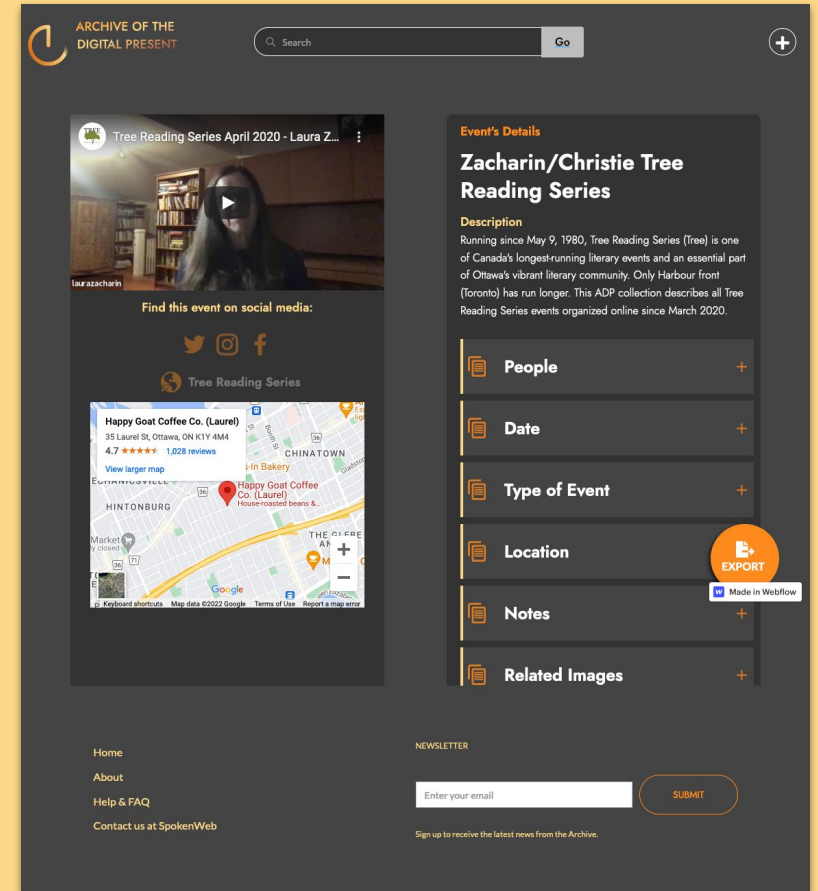
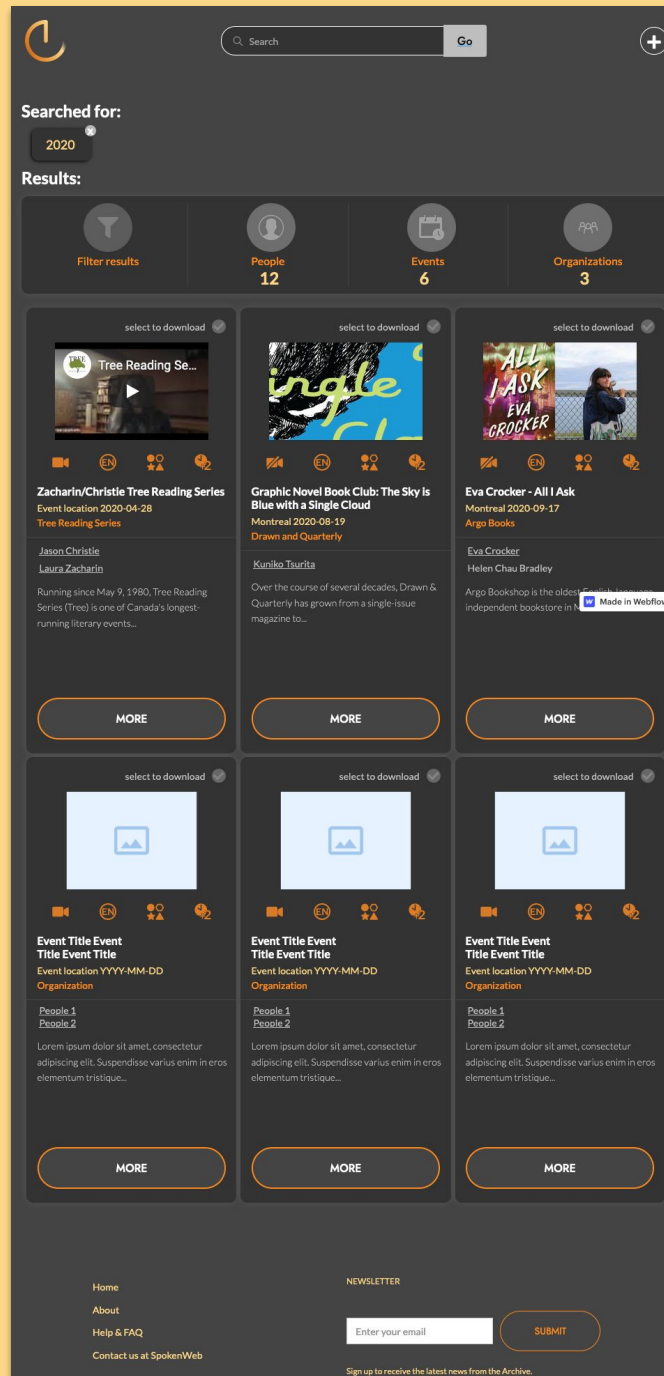
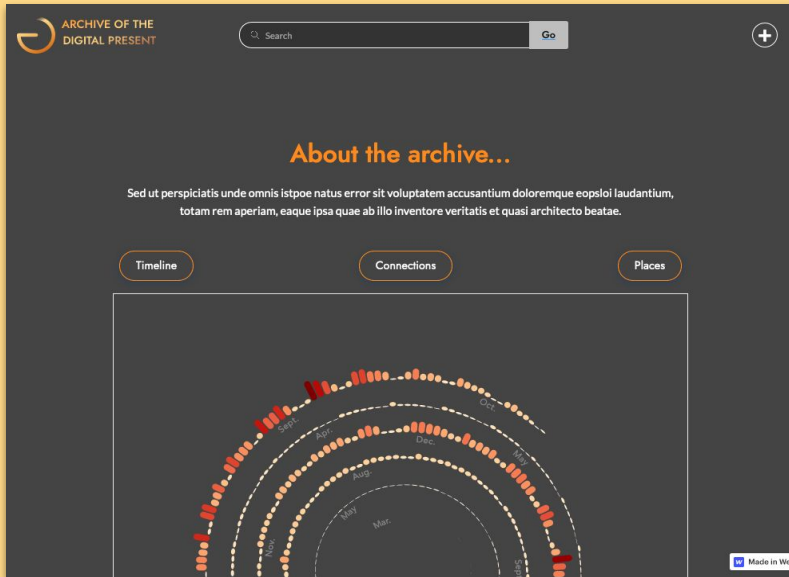
Usability Research

Journey Map

ADP USABILITY TEST MAIN TAKEAWAY



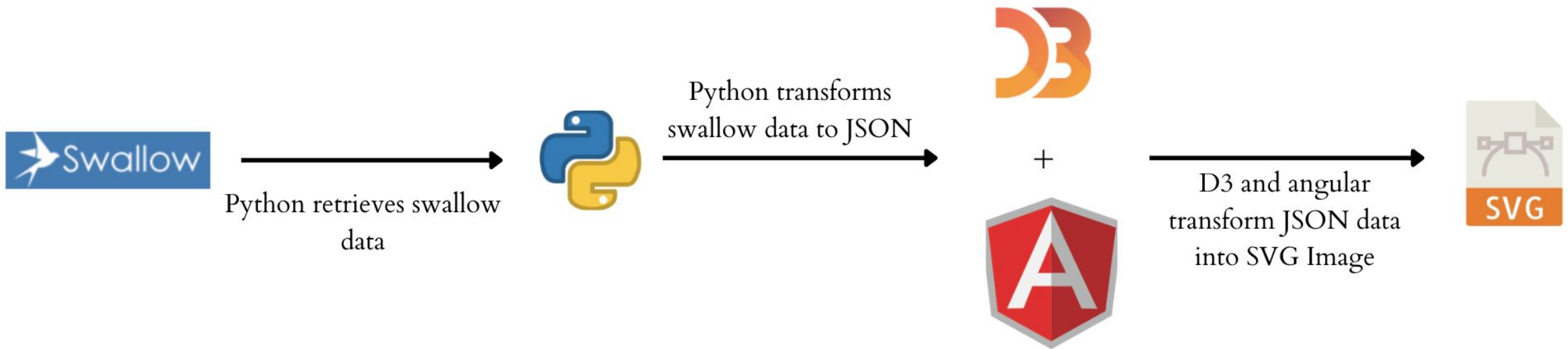
Final Design





Data Visualization

How the data is Transformed?



Data Visualization - Timeline



ARCHIVE OF THE
DIGITAL PRESENT



About the archive...

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Timeline



Connections

Places



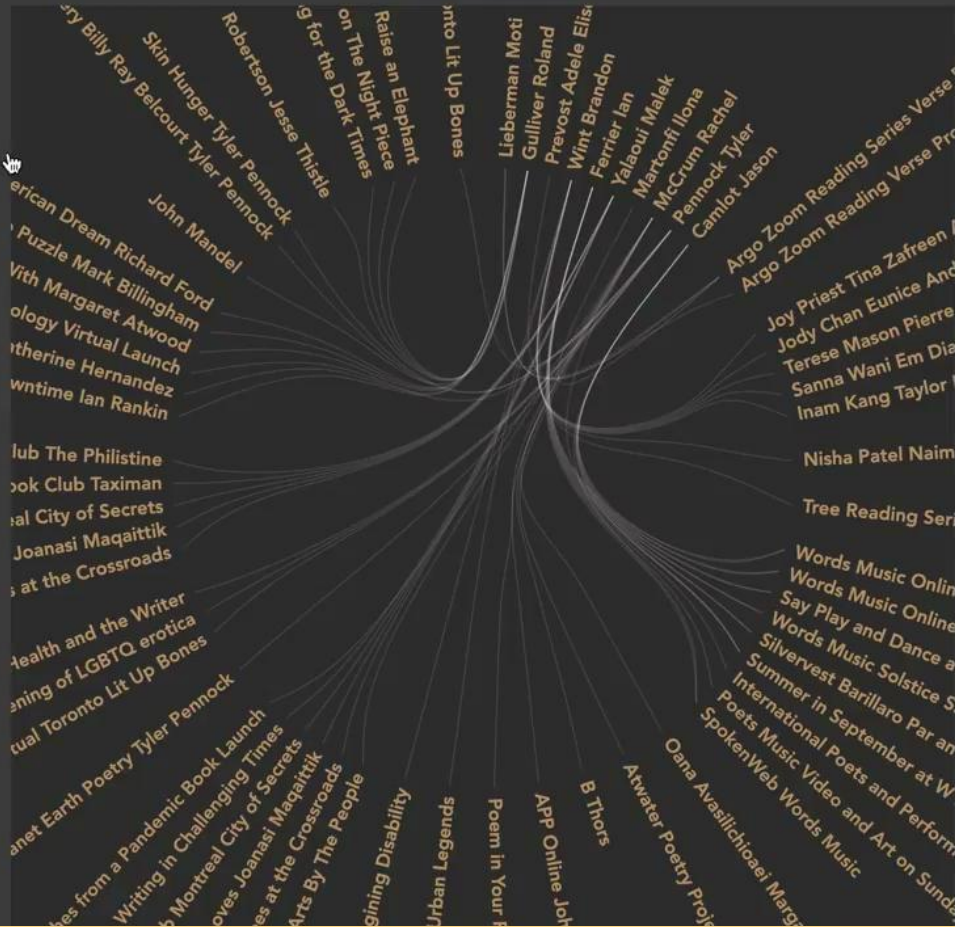
Data Visualization - Connections

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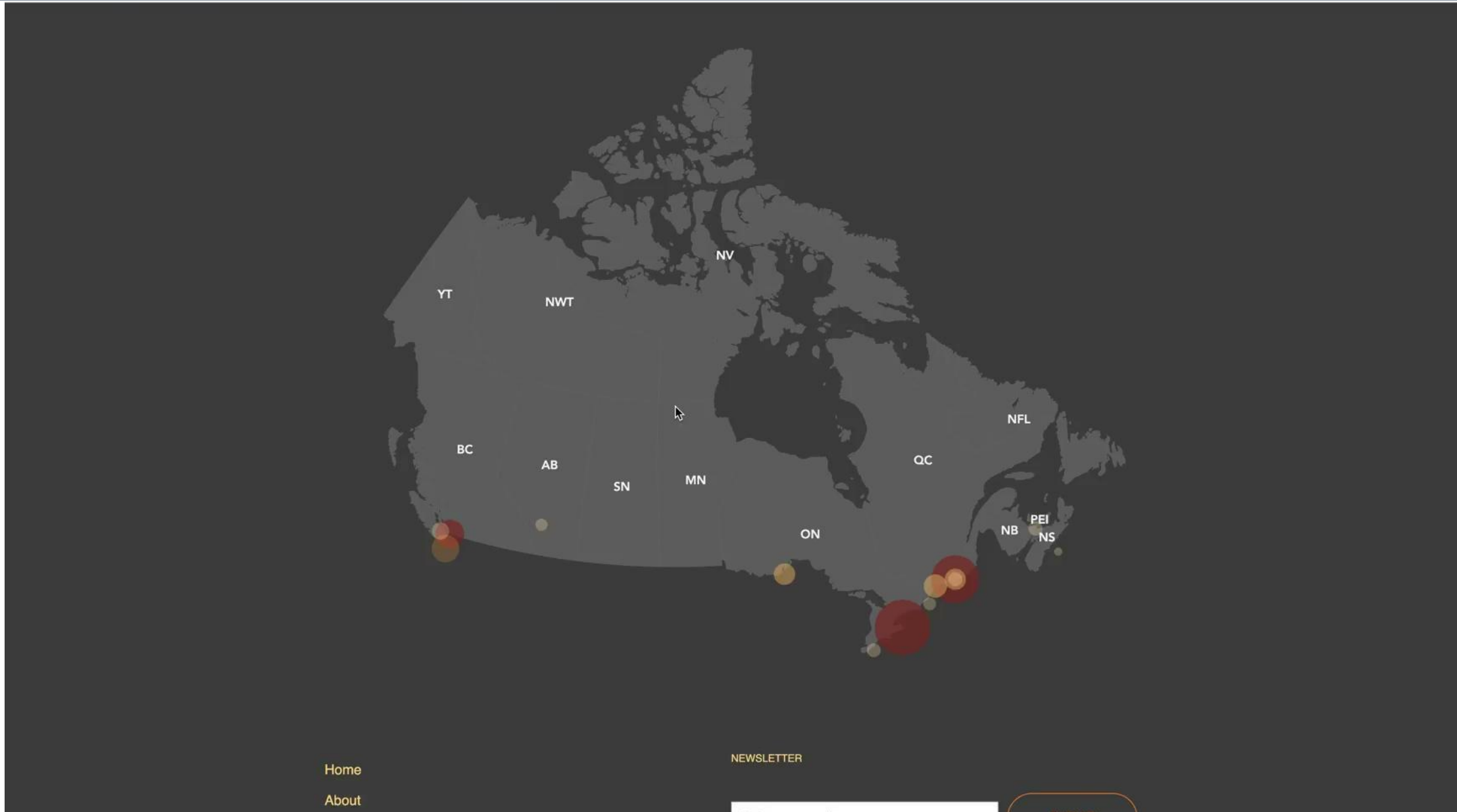
Timeline

Connections

Places



Data Visualization - Places



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Technology Stack for Browse & Search Interface

JAMSTACK



Performance



High Security



JavaScript



APIs



Markup



Scalability



Excellent Developer Experience



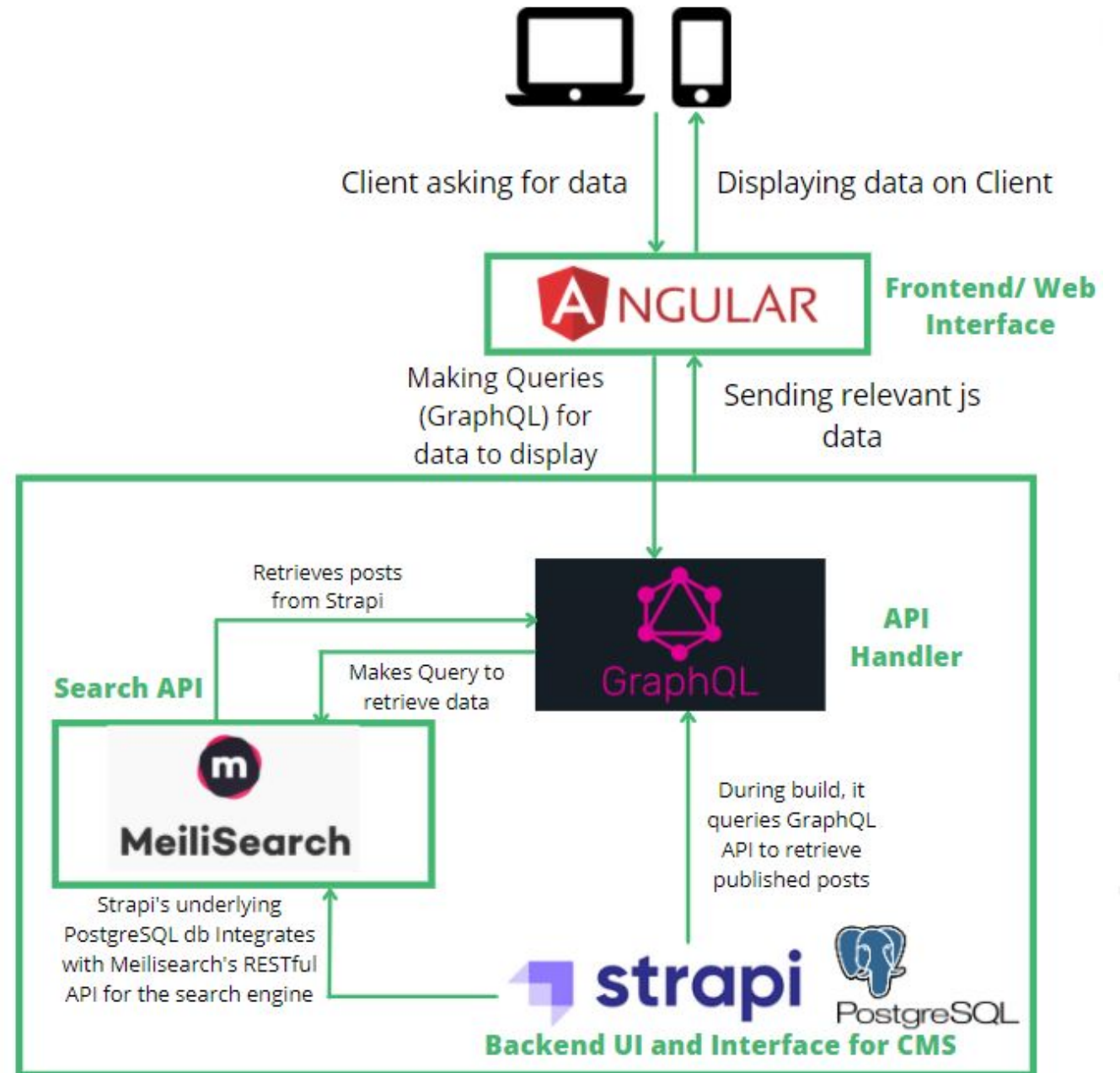
No server or back-end

At a Glance:

Elements of the Technology Stack

Key Considerations :

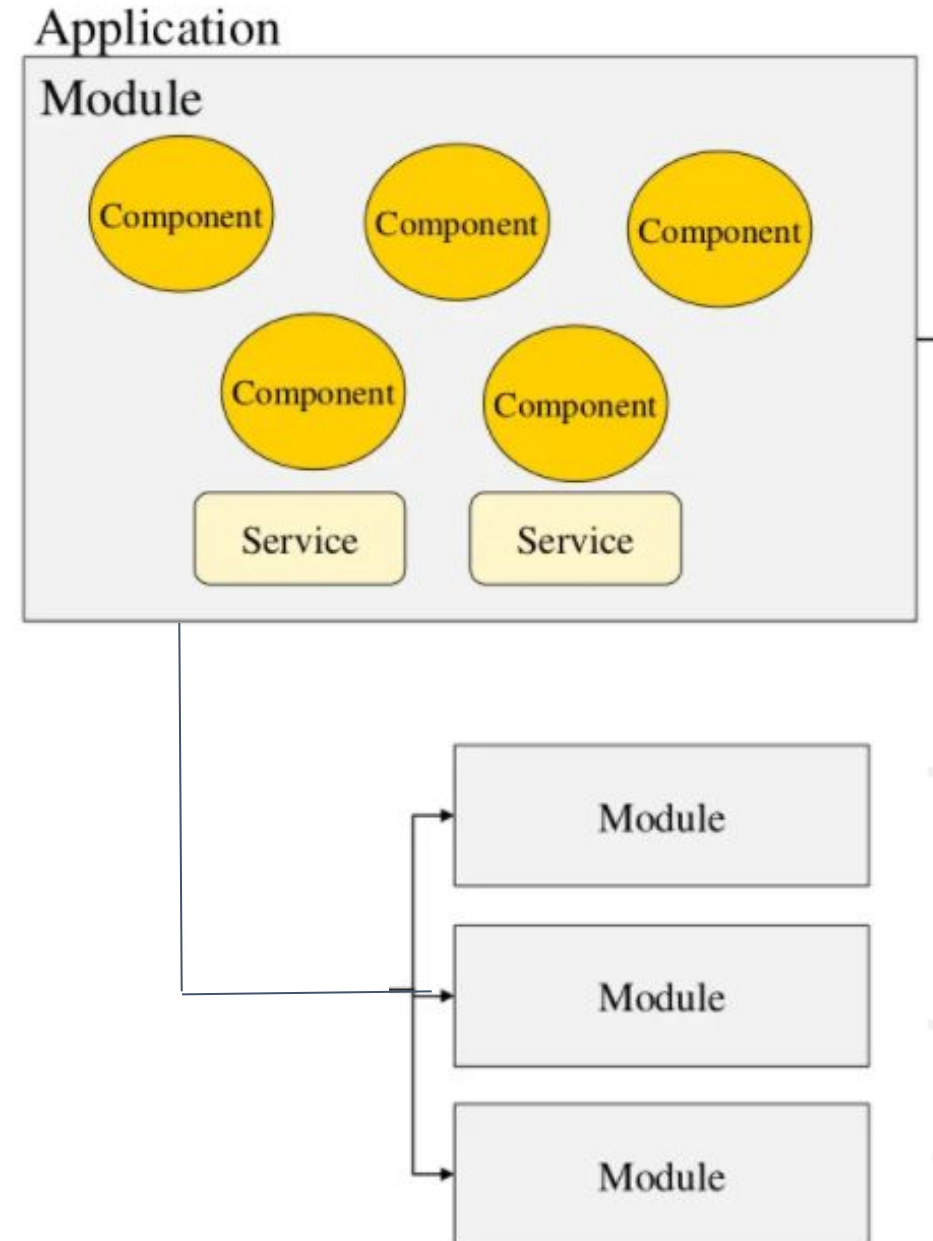
- Performance
- Scale
- Maintainability



Angular: JS Framework

Building client-side apps using HTML

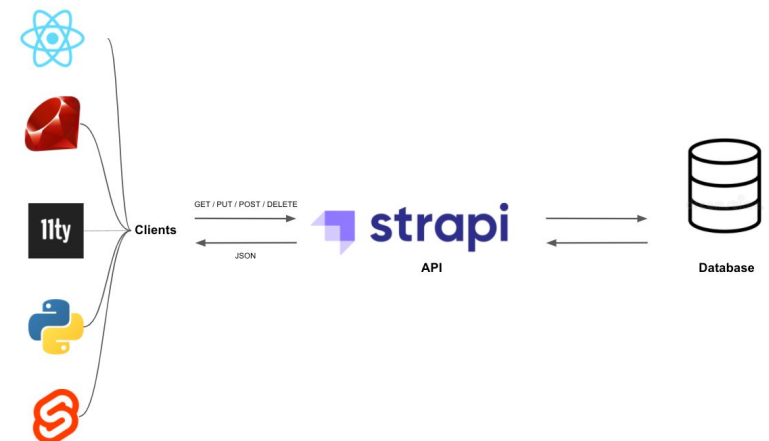
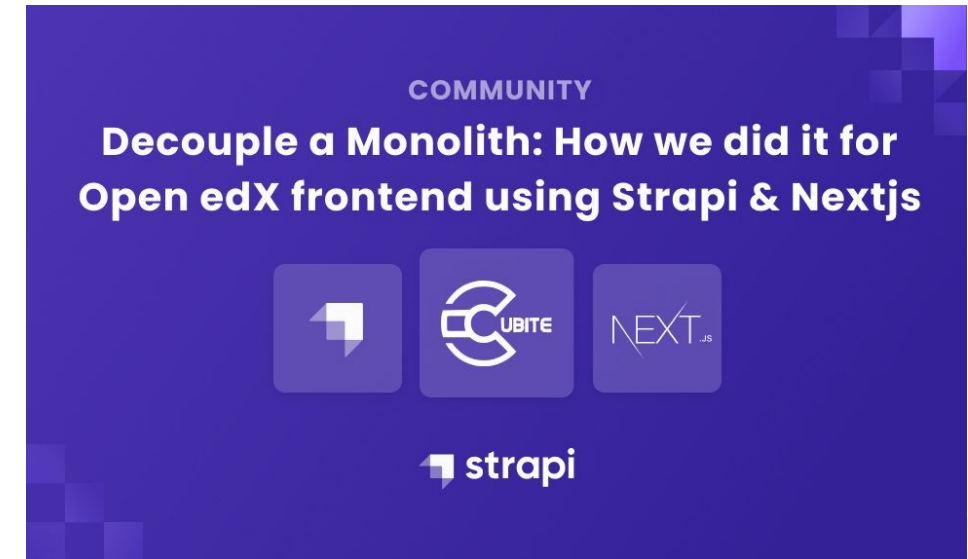
- Jamstack sites remove the need to generate page views on a server at request time by instead generating pages ahead of time during a build.
- Jamstack provides simpler deployments, built-in redundancy and incredible load capacity. This helps scaling for heavy traffic loads



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

Searched for:

2020

Results:



Filter results



People
12

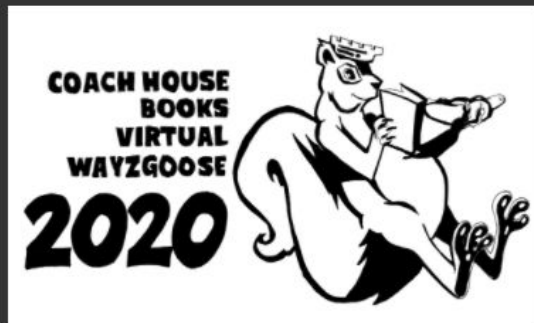


Events
6



Organizations
3

select to download



Argo Zoom Reading Series: Verse, Prose & Son

select to download



Online Graphic Novel Book Club - Familiar Face

select to download



Summer Japan Book Club



Acknowledgements

This research project is supported by a SSHRC Insight Development Grant, an FAS Aid To Research Grant, and by the Concordia University Library.

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Questions?



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