

Creating Javascript components to provide rich user experiences for search and browse

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What is our use case? - Problem



Develops web projects for the diffusion of the various collections that make up its academic productivity, these projects are mainly based on omeka and wordpress, so there are a lot of web platforms consuming computing resources and often generating problems of redundancy in the contents.



Collections in Avalon had been internal, administrative concepts and we needed a way for collection managers to share information about their collection while allowing users to quickly search and discover items within collections.

What is our use case? - Requirements



- Harvest the concentrated digital objects in our repository.
- The harvest must be made from client machine.
- Easy integration to any kind of web portal or CMS platform
- Highly adaptable in terms of visual and design styles.



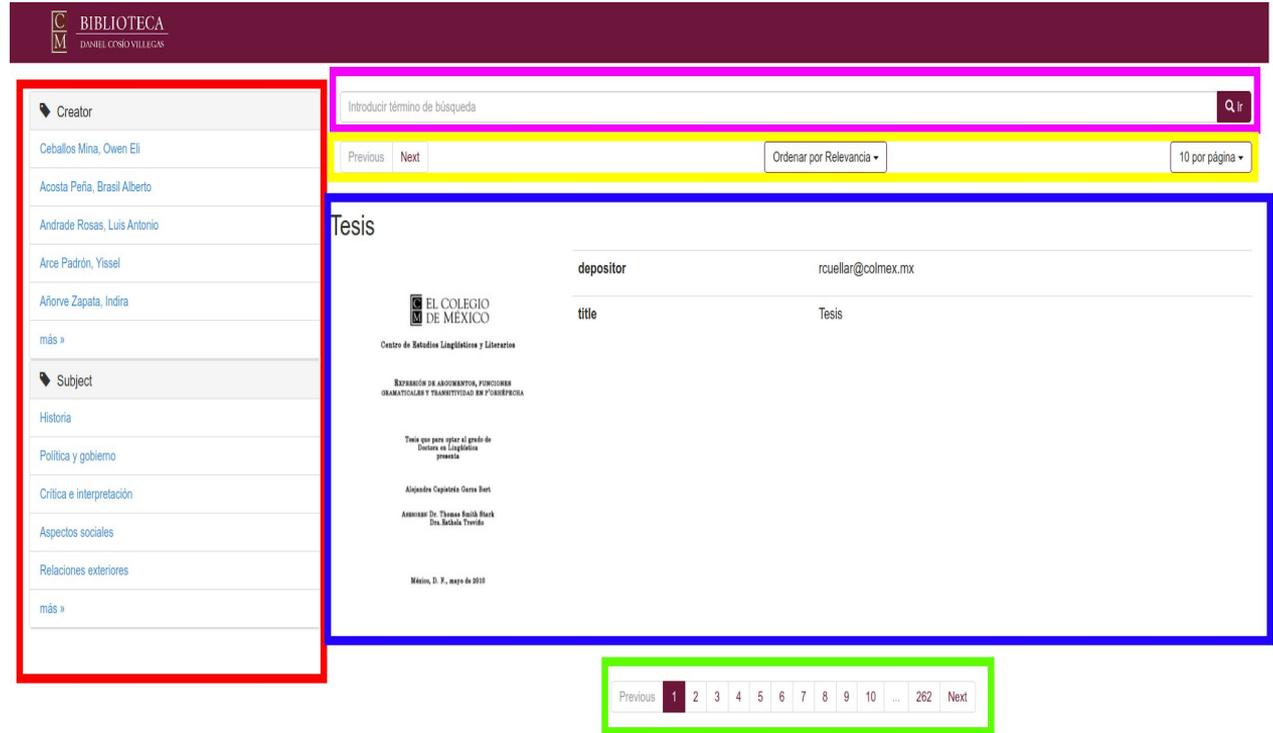
- Place user with context of collection (description and contact information)
- Pages should be simple, visual, responsive, and dynamic
- Dynamic filtering of collection items
- Still apply gated discovery

What is our use case? - Solution

El Colegio de México

These components are easy to integrate, customizable and independent, thus easing the choice of which one to use and which not.

-  Search
-  Facets
-  Docs
-  HelpBar
-  Pages



The screenshot displays the library's search interface. At the top, the header includes the logo and name of the 'BIBLIOTECA DANIEL COSOVILLEGAS'. Below this, a search bar (magenta border) contains the text 'Introducir término de búsqueda' and a search icon. A navigation bar (yellow border) features 'Previous' and 'Next' buttons, a dropdown menu for 'Ordenar por Relevancia', and a '10 por página' selector. The main content area (blue border) is titled 'Tesis' and shows a list of search results. The first result is a thesis by 'Alfonso Capetón Gera Bert' titled 'Tesis que para optar al grado de Doctor en Lingüística presenta'. The result details include the depositor 'rcuellar@colmex.mx' and the title 'Tesis'. The page number '1' is highlighted in a green box at the bottom, indicating the current page in a sequence of 262 pages.

What is our use case? - Solution Avalon

Collections

View by: [Unit](#) [A-Z](#)

Archives of African American Music and Culture

			
Archives of African American Music and Culture	Bodies of Sound: Locating the Beautiful in African... Video recordings of the AAAMC produced Themerster event in the fall of 2016. Presenters and panel dis...	Funkology	Hot Buttered Soul: The Role of Foodways and Music...

> Show 12 items

Archives of Traditional Music

			
Archives of Traditional Music	Archives of Traditional Music - American Museum of... This collection contains collections of recordings from the late 19th and early	Archives of Traditional Music Field and Broadcast ... This collection contains non-commercial recordings collected half	Archives of Traditional Music: AHEYM (The Archive ... This collection contains recordings made by researcher, Jeff Weidinger

All Collections / IUL Moving Image Archive / Clio Awards

Clio Awards

Unit: IUL Moving Image Archive

The Clio Awards is known as advertising's equivalent of the Academy Awards. This international awards competition celebrates achievement in advertising and creative business. The Clio Awards were founded in 1959 by Wallace A. Ross, and named for the Greek goddess

> Show more



▼ Filter this collection

Previous | 1-12 of 443 | Next

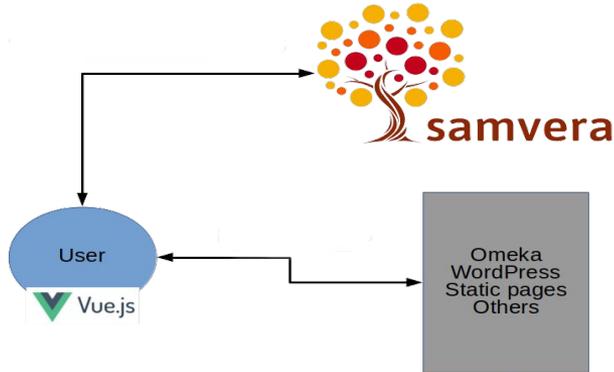
 <p>00:00:26</p>	 <p>00:01:50</p>	 <p>00:02:03</p>	 <p>00:01:05</p>
1959 Ford "Ford Shaggy Dog" Date 1960 Main Contributors Ford Summary An advertisement for the 1959 Ford automobile in w...	1959 Mercury [unknown title] Date 1960 Main Contributors Mercury Summary An advertisement for a 1959 Mercury automobile in ...	1960 Mercury [unknown title] Date 1960 Main Contributors Mercury Summary An advertisement for a 1960 Mercury automobile in ...	1960 Solid Plymouth [unknown title] Date 1960 Main Contributors Plymouth Summary An advertisement for a 1960 Plymouth automobile in...

What is our use case? - Solution



We opted to develop a family of FrontEnd components based on VueJS, which feed on the json response provided by blacklight.

We iterated on a set of React components (inspired by `blacklight_vue`) within our Rails app using `react-rails`. These are powered by blacklight JSON results from the `CatalogController` and a new subclass we made for collections. These pages supplement the existing Blacklight search.

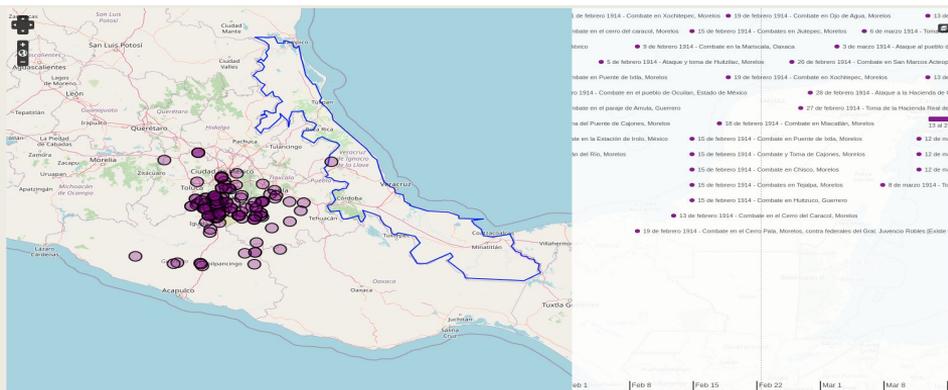


What are the next steps?



- Improves the css customization
- Develop components to reuse data from hyrax for research purposes (digital humanities)

- Refine components for easy embedding on sites outside of Avalon for quick search of collections
- Increase use of components within Avalon
- Port to avalon-bundle



Will building JS components change the way we develop our Rails apps?

The JS components simplify the process of creation of digital exhibits for special collection sites, additionally it is relatively easy to integrate in any CMS technology (Omeka, Wordpress).

The decoupling of the UI from the backend is good for our code: it forces us to be more deliberate about our routes and APIs, clarifies intentions and boundaries, and allows for more creative use of our rails app.

Does it make sense to build a shared set of Samvera JS components?

Contact us



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<https://biblioteca.colmex.mx/>

https://github.com/ColmexBDCV/vue_hyrax

avalon
MEDIA SYSTEM



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samvera.slack.com/messages/avalon