

# 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








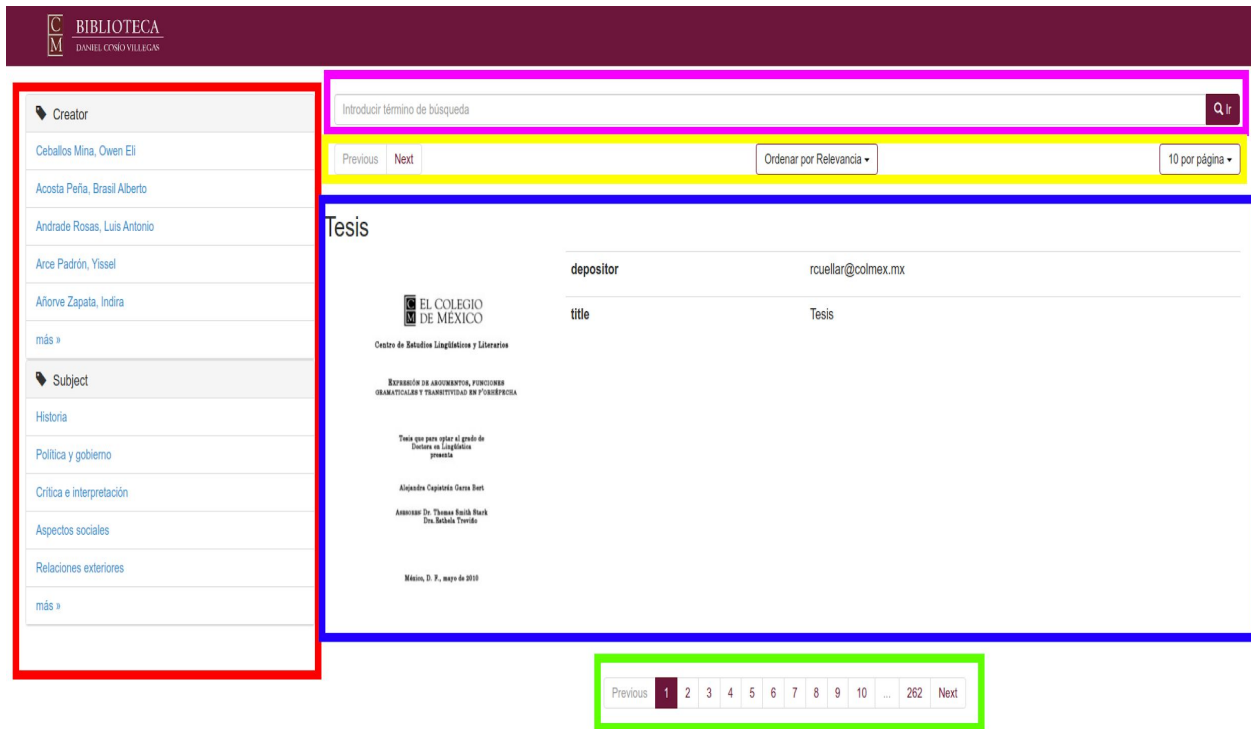
- Harvest the concentrated digital objects in our repository.
  - The harvest must be made from client machine.
  - Easy integration to any kind of web portal or CMS platform
  - Highly adaptable in terms of visual and design styles.
- Place user with context of collection (description and contact information)
  - 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 results page. The header features the 'BIBLIOTECA DANIEL COSÍO VILLEGAS' logo. A search bar at the top right contains the text 'Introducir término de búsqueda'. Below the search bar, a navigation bar includes 'Previous', 'Next', 'Ordenar por Relevancia', and '10 por página'. The main content area is titled 'Tesis' and shows a list of results. The first result is from 'EL COLEGIO DE MEXICO' and is titled 'Tesis'. The result details include the depositor 'rcuellar@colmex.mx' and the title 'Tesis'. The page also includes a footer with the text 'México, D. F., mayo de 2010'.

Creator

- Ceballos Mina, Owen Eli
- Acosta Peña, Brasil Alberto
- Andrade Rosas, Luis Antonio
- Arce Padrón, Yissel
- Añorve Zapata, Indira
- más »

Subject

- Historia
- Política y gobierno
- Crítica e interpretación
- Aspectos sociales
- Relaciones exteriores
- más »

Introducir término de búsqueda

Previous Next Ordenar por Relevancia 10 por página

Tesis

depositor	rcuellar@colmex.mx
title	Tesis

EL COLEGIO DE MEXICO

Centro de Estudios Lingüísticos y Literarios

EXPOSICIÓN DE ARGUMENTOS, FUNDAMENTOS GRAMATICALES Y TRANSMISIBILIDAD EN FONOLOGÍA

Tesis que para optar al grado de Doctor en Lingüística presenta

Alejandro Capistrán Gama Bert

Asesor: Dr. Thomas Rüdiger Wirth  
Dra. Bárbara Tronchetti

México, D. F., mayo de 2010

Previous 1 2 3 4 5 6 7 8 9 10 ... 262 Next

# 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 held



Archives of Traditional Music: AHEYM (The Archive ...

This collection contains recordings made by researchers, Jeff Vailinier

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



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

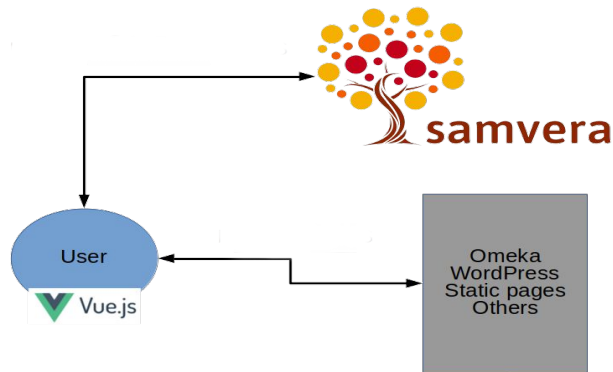
Summary An advertisement for a 1960 Plymouth automobile in...

# 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.

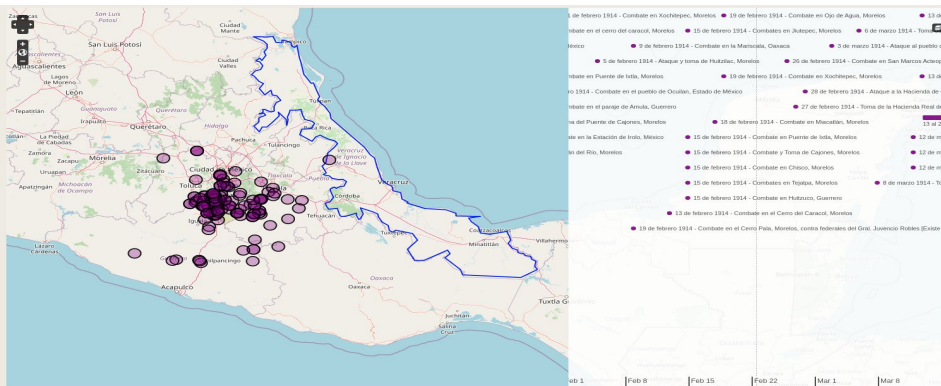


# What are the next steps?



- 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](https://github.com/ColmexBDCV/vue_hyrax)



[avalonmediasystem.org](https://avalonmediasystem.org)



[avalon-discuss-l@indiana.edu](mailto:avalon-discuss-l@indiana.edu)



[github.com/avalonmediasystem](https://github.com/avalonmediasystem)



[samvera.slack.com/messages/avalon](https://samvera.slack.com/messages/avalon)